# Additional Confirmatory LBL Analysis of AGR-5/6/7 Compacts and Overcoated Particles



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## **ORNL/TM-2018/774**

Reactor and Nuclear Systems Division

## ADDITIONAL CONFIRMATORY LBL ANALYSIS OF AGR-5/6/7 COMPACTS AND OVERCOATED PARTICLES

## BWXT NOG BATCHES 11034, 11035, 14154C&D, 14155C&D, AND 14156C&D

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# **ABBREVIATIONS**

ORNLOak Ridge National LaboratoryPFpacking fraction (TRISO volume fraction in a compact)SDFSiC defect fractionSiCsilicon carbide (TRISO layer)TRISOtristructural-isotropic (coated particles)UCOuranium carbide/uranium oxide mixture (fuel kernels)XCTx-ray computed tomography
XCTx-ray computed tomographyZatomic number

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#### 1. INTRODUCTION AND BACKGROUND

Fuel compacts for the Advanced Gas Reactor Fuel Development and Qualification (AGR) Program's AGR-5/6/7 irradiation test in the Idaho National Laboratory (INL) Advanced Test Reactor (ATR) were fabricated by BWX Technologies Nuclear Operations Group (BWXT NOG) located in Lynchburg, Virginia. Two compact packing fractions (PFs) were produced—nominally, 40% PF and 25% PF—in which the tristructural-isotropic (TRISO)-coated particle volume was targeted to be approximately 40% and 25% of the total compact volume, respectively. The TRISO coatings were deposited using a 150 mm diameter fluidized-bed chemical vapor deposition (CVD) furnace on spherical kernels that were nominally 425 µm in diameter. The kernels were from kernel composite Lot J52R-16-69317, which contained low-enriched uranium (15.5% <sup>235</sup>U) in a mixture of uranium carbide and uranium oxide (UCO). Kernels were coated with four concentric CVD layers: a porous carbon buffer layer that was nominally 100 µm thick, an inner pyrolytic carbon (IPyC) layer that was nominally 40 µm thick, a silicon carbide (SiC) layer that was nominally 35 µm thick, and an outer pyrolytic carbon (OPyC) layer that was nominally 40-µm-thick. Coated particle composite J52R-16-98005 was overcoated (OC) with a graphite/resin blend, and these OC TRISO particles were pressed to form cylindrical compacts that were nominally a half inch in diameter and one inch long.

Compact samples were deconsolidated and analyzed using the leach-burn-leach (LBL) procedure at Oak Ridge National Laboratory (ORNL) to provide additional data for use in evaluating the compact properties previously measured by LBL analysis at BWXT NOG. In addition, samples of OC TRISO particles were analyzed by LBL at ORNL to distinguish possible changes in defect fractions that result from (1) the OC process (by comparison to non-OC TRISO particle LBL) and (2) the compacting process (by comparison to compact LBL). Table 1-1 lists the samples analyzed at ORNL. Results from the first test series were reported in ORNL/TM-2019/744 (Hunn et al. 2018a). Results include the exposed kernel fraction (EKF), the SiC defect fraction (SDF), and the dispersed uranium fraction (DUF). Select impurities (Fe, Cr, Mn, Co, Ni, Ca, Al, Ti, and V) were also measured on some sub-samples. The definitions of EKF, SDF, and DUF are explained further in Section 2, and the methods for their calculation from the amount of leached U are presented. The combined results from the first and second test series are reported herein to provide better statistical sampling and to answer questions that arose from the first test series. The second test series only included analysis of leached U, because additional measurement of metallic impurities was not required. To address questions regarding possible artifacts from particle damage introduced by the LBL procedure, eighty 40% PF compacts were analyzed in the second test series by burn-leach (BL) to avoid the steps most likely to introduce damage.

Test Series	Nominal PF	Batch ID	Description	Analysis
1	40%	J52R-16-14154C	40 compacts	LBL in 2 groups of 4 clutches of 5 compacts
2	40%	J52R-16-14154C	20 compacts	LBL in 1 group of 4 clutches of 5 compacts
2	40%	J52R-16-14155C	40 compacts	LBL in 2 groups of 4 clutches of 5 compacts
2	40%	J52R-16-14154D	40 compacts	BL in 2 groups of 4 clutches of 5 compacts
2	40%	J52R-16-14155D	40 compacts	BL in 2 groups of 4 clutches of 5 compacts
1	25%	J52R-16-14156C J52R-16-14156D	29 compacts 11 compacts	LBL in 2 groups of 4 clutches of 5 compacts <sup><i>a</i></sup>
2	25%	J52R-16-14156D	20 compacts	LBL in 1 group of 4 clutches of 5 compacts
1	40%	J52R-16-11034	OC TRISO	LBL in 2 groups of 4 clutches of OC TRISO <sup>b</sup>
2	40%	J52R-16-11035	OC TRISO	LBL in 2 groups of 4 clutches of OC TRISO $^{b}$

Table 1-1.	Samples	analyzed	at	ORNL
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Note: Each 5-compact clutch was randomly chosen.

<sup>a</sup> The 25% PF compacts in the first test series were from production batches 14156C and 14156D.

<sup>b</sup> OC TRISO clutches were random samples with roughly the same number of particles as a 5-compact clutch.

## 2. ANALYSIS METHOD<sup>\*</sup>

Deconsolidation and LBL analysis were performed on BWXT NOG compacts according to data acquisition method (DAM) AGR-CHAR-DAM-26 (Hunn and Montgomery 2018a) This DAM provides the instructions for performing deconsolidation and LBL analysis of cylindrical compacts containing coated particles. The LBL method attempts to thoroughly leach uranium (and other metallic impurities) not contained within gas-tight and liquid-tight SiC layers. The AGR-5/6/7 Fuel Specification (Marshall 2017) has specified limits for the amounts of selected metallic impurities (Fe, Cr, Mn, Co, Ni, Ca, Al, Ti, and V) in the compact outside of the intact SiC layers. The specification also includes a series of calculations that use the amount of uranium leached before and after burning off exposed carbon to calculate EKF, SDF, and DUF, as described below, and it specifies limits on these fractions.

Per DAM-26, compacts were electrolytically deconsolidated to separate the coated particles from the surrounding matrix of graphite and carbonized resin. This process involves submerging the tip of a compact in nitric acid and applying a voltage between the compact (the anode) and a platinum cathode in contact with the acid. During electrolytic deconsolidation, intercalation of nitrate anions and nitric acid between the basal planes of the graphite material in the compact matrix dissociates the graphite structure, breaks up the matrix, and releases the coated particles. Compacts were analyzed in randomly selected clutches of five compacts each. All compacts in a given clutch were sequentially deconsolidated into the same vessel by stacking them in a cylindrical-shaped deconsolidation tube with an open mesh bottom and a diameter slightly larger than the compacts. The deconsolidation tube was lowered into a vessel containing nitric acid to wet the tip of the bottom compact and a weighted rod with the anode wire placed on the top compact. As the lowest compact in the stack was deconsolidated, the compacts were gravity-fed downward such that the bottom of the lowest compact remained in contact with the acid until all compacts were deconsolidated.

Deconsolidated particles and matrix debris were subjected to two 24-hour preburn leaches in boiling concentrated nitric acid. The deconsolidation acid was used for the first preburn leach because some exposed uranium and metallic impurities can be dissolved in the room temperature acid during the deconsolidation phase. This first preburn leach acid was separated from the particles and matrix debris by centrifuging and decanting, and fresh acid was used for the second leach. Aliquots from the leach solutions were analyzed by mass spectrometry to determine the concentration of uranium and selected impurities dissolved in the acid. Measured concentrations were converted to mass quantities by multiplying by the collected volume of each leach solution. The equivalent number of leached kernels (*kernel equivalent*) was determined by dividing the total mass of uranium dissolved during the preburn leach by the average uranium content of one kernel.

Per DAM-26, sample clutches are typically leached at least twice; and if the uranium in the second leach is above the minimum detection limit and more than 10–20% of the amount in the first leach, then this is an indicator that uranium leaching may have been incomplete, so additional leaching is needed for better confidence in the results. Best practice is to postpone the burn phase until the uranium analysis of the first two preburn leaches is completed; this allows for the option of additional leaching in the preburn state if the second leach value indicates incomplete leaching of exposed uranium. However, due to schedule restraints for the confirmatory analysis presented herein, samples were subjected to burn-leach before preburn leach results were available.

To provide additional information on the adequacy of the two 24-hour leaches, an aliquot from the water used after the second leach to rinse the glassware, particles, and matrix debris was also analyzed in most cases. Per DAM-26, the data from the water rinse analysis were only included in the total if they were

<sup>\*</sup> This section was duplicated with minor modifications and additions from ORNL/TM-2019/744 for the convenience of the reader and definition of terms used herein.

determined to be significant based on criterion that impurity values were >10% of the second leach, and for uranium analysis, significance was based on the criterion that values were >10% of the second leach and >1% of the average uranium per kernel. These criteria were applied so that the small values often dominated by measurement thresholds would not artificially elevate the totals.

After two 24-hour preburn leaches, each sample was heated at 750°C in air for 72 hours to oxidize and remove any exposed carbonaceous material, which would include the compact matrix carbon, the OPyC, and any IPyC and buffer coatings that were exposed to air due to a through-layer defect in the SiC layer. Uranium and metallic impurities exposed by the burn or not completely dissolved during the preburn leach phase were also oxidized during the burn phase, making them more soluble in hot nitric acid during the postburn leach phase.

Similar to the preburn leach phase, the "burned-back" particles and any residual ash were subjected to two 24-hour leaches in hot nitric acid to dissolve any exposed uranium and/or impurities. These postburn leaches were performed just below the 120°C boiling point of the  $\sim$ 70% concentrated nitric to minimize the chance of the solutions bumping, which can violently eject particles from the heating flask. Aliquots from the leach solutions and final water rinse were analyzed in the same manner as the preburn leach solutions.

The AGR-5/6/7 Fuel Specification provides a method for determining the EKF, SDF, and DUF based on the following definitions and assumptions. A particle is considered to have an exposed-kernel defect if the coating layers cannot prevent nitric acid from penetrating to the kernel during the preburn leach phase. Such a particle would likely perform poorly in a reactor, releasing an undesirable fraction of the radioactive material it was designed to retain. A particle is considered to have a SiC defect if uranium in the kernel is retained during preburn leaching but can be acid leached after removal of the exposed carbon coating layers by heating in air during the burn step described above. Particles with exposed-kernel defects also have through-layer defects in the SiC, but these particles are not counted again as SiC-defect particles because counting them as exposed-kernel defects already fully accounts for their impact on irradiated particle performance, as particles with exposed-kernel defects are presumed to release more fission products than those with SiC defects.

The AGR-5/6/7 Fuel Specification applies an assumption that uranium in a particle with an exposedkernel defect or SiC defect will be almost completely leached during the preburn leach or postburn leach phase, respectively, yielding a uranium content that is close to the average of one kernel. If the total amount of uranium detected in either the preburn or postburn leaching of a clutch is below 0.5 kernel equivalents, then the specification stipulates that this uranium is to be identified as *dispersed uranium contamination* that is not associated with an individual particle with an exposed-kernel defect or SiC defect. The DUF is this dispersed uranium contamination divided by the amount of uranium in the clutch, which is approximately equal to the kernel equivalent amount of dispersed uranium divided by the average number of particles in a clutch.

Based on the methods prescribed in the AGR-5/6/7 Fuel Specification, a preburn leach dispersed uranium fraction (DUF<sub>Pre</sub>) was determined for each clutch for which the cumulative leached uranium during the preburn leaching was <0.5 kernel equivalents. Similarly, a postburn leach dispersed uranium fraction (DUF<sub>Post</sub>) was determined for each clutch for which the cumulative leached uranium during the postburn leaching was <0.5 kernel equivalents. Measured means and standard deviations for DUF<sub>Pre</sub> and DUF<sub>Post</sub> were calculated using all sampled clutches for which a DUF value was determined. The measured mean DUF<sub>Total</sub> for each sample was calculated as the sum of the measured mean values for DUF<sub>Pre</sub> and DUF<sub>Post</sub>, as prescribed in the AGR-5/6/7 Fuel Specification. This implies an assumption that the DUF<sub>Pre</sub> and DUF<sub>Post</sub> mean values are measurements of variable properties of the batch, and these properties are independent.

Student's t-test statistics were applied to the mean ( $\mu$ ) and standard distribution ( $\sigma$ ) of the DUF<sub>Pre</sub> and DUF<sub>Post</sub> measurements using the t-test equation and methods described in the AGR-5/6/7 Statistical Sampling Plan (Lybeck and Einerson 2016) to calculate the 95% confidence limits on the maximum mean values of DUF<sub>Pre</sub> and DUF<sub>Post</sub> in the sampled batch. Namely, the 95% confidence limit on the maximum mean value in the batch was calculated to be

$$\leq \mu + t_{c,n-1} \left( \sigma / \sqrt{n} \right), \tag{2.1}$$

where *n* is the number of determined DUF values, and  $t_{c,n-1}$  is the one-sided Student's t-distribution critical value for *n*-1 degrees of freedom and a cumulative probability or confidence (*c*) of 95%.

The calculation of the 95% confidence limit on the maximum mean value of  $DUF_{Total}$  in the sampled batch could not be directly calculated using the simple Student's t-test equation provided in the sampling plan because  $DUF_{Total}$  was not based on individual measurements of  $DUF_{Total}$  in each clutch but rather on the combination of independent measurements of  $DUF_{Pre}$  and  $DUF_{Post}$ . To calculate the limit value for  $DUF_{Total}$ , approximations of the cumulative probability distributions for  $DUF_{Pre}$  and  $DUF_{Post}$  were constructed using stepwise evaluations of the Student's t-distribution and combined as described below.

In an Excel spreadsheet, a column of discrete maximum mean values of  $DUF_{Pre}$  for a range of cumulative probabilities from 0 to 100%, exclusive, was generated using the t-test equation

$$max_i(\text{DUF}_{\text{Pre}}) = \mu + t_{c_i,n-1}(\sigma/\sqrt{n}) \text{ for } i = 1 \text{ to } (100/\Delta) - 1 \text{ and } c_i = i \times \Delta, \tag{2.2}$$

where  $\mu$ ,  $\sigma$ , and *n* are the same values used to calculate the 95% confidence limit on the maximum mean value of DUF<sub>Pre</sub> in Eq. (2.1),  $t_{c_i,n-1}$  is the one-sided Student's t-distribution critical value for n-1 degrees of freedom and a cumulative probability  $c_i$ , and  $\Delta$  is a constant stepsize. Thus, the series of *max<sub>i</sub>* values defined in Eq. (2.2) made up a stepwise approximation of the Student's t cumulative probability distribution for the maximum mean value of DUF<sub>Pre</sub> in the sampled batch. Each *max<sub>i</sub>* value was a slight overestimate of the possible true mean value of the batch, with a probability equal to the stepsize  $\Delta$  of being the maximum value over the cumulative probability interval  $(c_i-\Delta, c_i)$ .

Similarly, an approximation of the cumulative probability distribution for the maximum mean value of  $DUF_{Post}$  in the sampled batch was generated for the same stepsize  $\Delta$ . The  $DUF_{Post}$  values were arranged in a row in the Excel spreadsheet so that a matrix could be easily generated by summing all possible pairs of values from the two cumulative probability distributions,

$$sum_{ij} = max_i(\text{DUF}_{\text{Pre}}) + max_i(\text{DUF}_{\text{Post}}) \text{ for } i \text{ and } j = 1 \text{ to } (100/\Delta) - 1.$$
(2.3)

The probability associated with each individual  $sum_{ij}$  combination was the product of the probabilities for the corresponding  $max_i$  and  $max_j$ , namely,  $\Delta^2$  in every case. To approximate the 95% confidence limit on the maximum mean value of DUF<sub>Total</sub>, the individual  $sum_{ij}$  values were combined as described below.

Starting with the measured mean,  $\mu(DUF_{Total})$ , for each sample (i.e., the sum of the measured means for  $DUF_{Pre}$  and  $DUF_{Post}$ ), a series of discrete possible maximum mean values of  $DUF_{Total}$  was generated over a sufficient range,

$$max_k(\text{DUF}_{\text{Total}}) = \mu(\text{DUF}_{\text{Total}}) + k \times \partial \text{ for } k = 1 \text{ to } N,$$
(2.4)

where  $\partial$  is a constant stepsize, and N is adjusted to ensure that enough values are generated in the series to reach a *max<sub>k</sub>* value that corresponds to a 95% cumulative probability. The approximate cumulative probability (*c<sub>k</sub>*) for each possible maximum mean value, *max<sub>k</sub>*(DUF<sub>Total</sub>), is determined by searching the

matrix of individual  $sum_{ij}$  values and counting the number of  $sum_{ij}$  values that are less than or equal to the candidate  $max_k$  value,

$$c_k = \Delta^2 \times \text{CountIf}\left(sum_{ij} \le max_k(\text{DUF}_{\text{Total}})\right) \text{ for } k = 1 \text{ to } N.$$
 (2.5)

The max<sub>k</sub> value corresponding to the  $c_k$  value closest to and also greater than or equal to 95% is taken as the best approximation of the 95% confidence limit on the maximum mean value of DUF<sub>Total</sub> in the sampled batch. The approximation was conservative, as it was calculated to be a slight overestimate by using the upper bounds in the stepwise approximations of the Student's t cumulative probability distribution for the maximum mean values of DUF<sub>Pre</sub> and DUF<sub>Post</sub>, and it was required to have a confidence of at least 95%. The accuracy of the approximation was dependent on the stepsize  $\Delta$  used in the stepwise approximations of the Student's t cumulative probability distribution for the maximum mean values of  $DUF_{Pre}$  and  $DUF_{Post}$ . The stepsize  $\Delta$  was varied to examine the accuracy of the approximation. As stepsize  $\Delta$  was reduced, the approximation of the 95% confidence limit on the maximum mean value of DUF<sub>Total</sub> asymptotically approached a minimum value from above. The stepsize was small enough to no longer change the value to three significant figures when the stepwise approximations of the Student's t cumulative probability distribution for the maximum mean values of DUF<sub>Pre</sub> and DUF<sub>Post</sub> did not change by more than ~0.1% per step. A stepsize around 0.1% was typically sufficient. The accuracy of the approximation was also dependent on the stepsize  $\partial$  used to generate the search list of discrete possible maximum mean values of  $DUF_{Total}$ . The stepsize  $\partial$  was also varied to ensure that an accurate approximation was calculated. For  $\partial$ , it was important that the candidate max<sub>k</sub> values in the search series with corresponding  $c_k$  value immediately above and below 95% did not vary when rounded up to three significant figures.

In the definition of the EKF and SDF, according to the AGR-5/6/7 Fuel Specification, it is assumed that the equivalent number of leached kernels is dominated by individual defective particles in which the uranium in the kernel is exposed because of abnormal or damaged coatings (when they are present). Therefore, these defects are treated as attribute properties, and defect fractions are determined from the equivalent number of defective particles vs. the number of particles in the measured sample. Binomial distribution statistics are applied to determine with 95% confidence whether the sampled material is below a specified upper limit for the defect fraction.

Equations for determining EKF and SDF are provided in the AGR-5/6/7 Fuel Specification. The equivalent number of leached kernels detected during preburn leaching of a clutch of compacts is corrected by subtracting the kernel equivalent contribution from the dispersed uranium (assumed to be the mean DUF<sub>Pre</sub> times the average number of particles per clutch). This corrected kernel equivalent value is rounded to the nearest integer to arrive at the preburn exposed kernel count for that clutch. The preburn exposed kernel count for all analyzed clutches is summed and divided by the estimated number of analyzed particles (calculated from the average number of particles per clutch times the number of clutches) to get the measured EKF. The 95% confidence determination of whether the sampled composite has an EKF below the allowed upper limit applies a binomial distribution calculation using the total preburn exposed kernel count and estimated number of analyzed particles. The SDF values are calculated in the same way, except the equivalent number of leached kernels detected during postburn leaching of a clutch is corrected with the mean DUF<sub>Post</sub> value.

LBL analysis was performed on BWXT NOG OC particles according to AGR-CHAR-DAM-21 (Hunn and Montgomery 2018b). This procedure is essentially the same as DAM-26, except the compact deconsolidation is not required prior to the preburn acid leaching. The EKF, SDF, and DUF were calculated as they were for the compacts.

#### 3. OVERCOATED PARTICLES

Supplementary LBL analysis was completed on samples from two OC TRISO batches that were used for the 40% PF compacts (Table 1-1). One large sample of OC TRISO from each batch was shipped from BWXT NOG to ORNL. Random samples (clutches) for LBL analysis were created from each large sample with approximately the same number of particles per clutch as in the five-compact clutches used in the 40% PF compact LBL analysis (Section 5). Rather than rotary riffling, gentler but less random sampling methods (cone and quartering supplemented by scoop sampling) were used to reduce the possibility of damage to the particles prior to analysis. Ten sub-samples from each batch were also used for measurement of average OC TRISO weight according to the procedure in AGR-CHAR-DAM-22 (Hunn 2017). The particle number in each clutch was determined by weighing the clutches and dividing by the average weight per OC particle in the relevant batch. Clutches were analyzed by LBL in groups of four. All leach solutions were analyzed for uranium content only. Appendix B contains copies of the official preburn leach and postburn leach data report forms (DRFs) for each analyzed clutch and inspection report forms (IRFs) that summarize the data. The data are further presented and discussed in the remainder of this section.

## 3.1 LBL ANALYSIS FOR EXPOSED URANIUM IN 40% PF OC TRISO

Table 3-1 shows details regarding the uranium (in kernel equivalents) in each solution collected during preburn leaching of the OC TRISO clutches and the total uranium leached from each clutch. According to the procedure in DAM-21, the water rinse data were not included in the total because they were  $\leq 10\%$  of the second leach or  $\leq 1\%$  of the average uranium per kernel. Table 3-1 also shows the individual preburn leach DUF<sub>Pre</sub> values for each clutch without an exposed-kernel defect (i.e., the total leached uranium was < 0.5 kernel equivalents per the AGR-5/6/7 Fuel Specification). Table 3-2 shows the same type of data for the postburn leach. The DUF<sub>Pre</sub> and DUF<sub>Post</sub> values were very consistent in the preburn and postburn clutches, respectively, and the uranium content in each second leach was appropriately lower than the first leach. These observations are good indicators that the LBL process was effective.

Series	Clutch	Particles	First leach	Second leach	H <sub>2</sub> O rinse <sup><i>a</i></sup>	Total	DUF <sub>Pre</sub> <sup>b</sup>
	11034-1	17,627	7.92E-2	1.05E-2	6.36E-4	0.090	5.09E-6
1	11034-2	18,614	8.03E-2	1.61E-2	9.27E-4	0.096	5.18E-6
1	11034-3	17,972	8.06E-2	1.10E-2	7.25E-4	0.092	5.10E-6
	11034-4	17,826	7.88E-2	1.85E-2	9.78E-4	0.097	5.46E-6
	11035-1	17,409	8.33E-2	4.66E-3	2.84E-4	0.088	5.05E-6
	11035-2	17,368	8.23E-2	3.63E-3	1.44E-4	0.086	4.94E-6
	11035-3	17,369	8.20E-2	4.10E-3	1.31E-4	0.086	4.96E-6
2	11035-4	17,378	7.95E-2	5.84E-3	1.82E-4	0.085	4.91E-6
2	11035-5	17,389	8.20E-2	7.38E-3	2.69E-4	0.089	5.14E-6
	11035-6	17,364	7.79E-2	6.01E-3	2.30E-4	0.084	4.83E-6
	11035-7	17,395	8.77E-2	4.14E-3	1.05E-4	0.092	5.28E-6
	11035-8	17,371	8.57E-2	4.50E-3	1.23E-4	0.090	5.20E-6

Table 3-1. Uranium leached from 40% PF OC TRISO before the burn

Note: Uranium content in each leach is reported in kernel equivalents.

<sup>a</sup> Gray shading indicates that the water rinse was not added to the total.

<sup>b</sup> Individual DUF<sub>Pre</sub> is the preburn leach fraction of exposed uranium in each clutch with <0.5 exposed kernel equivalents.

Series	Clutch	Particles	First leach	Second leach	H <sub>2</sub> O rinse <sup><i>a</i></sup>	Total	DUF <sub>Post</sub> <sup>b</sup>
	11034-1	17,627	2.38E-3	1.34E-3	not done	0.004	2.11E-7
1	11034-2	18,614	2.58E-3	3.56E-4	not done	0.003	1.58E-7
1	11034-3	17,972	3.01E-3	5.52E-4	not done	0.004	1.98E-7
	11034-4	17,826	1.23E+0	3.47E-3	not done	1.234	
	11035-1	17,409	1.56E-3	5.54E-4	1.38E-5	0.002	1.21E-7
	11035-2	17,368	1.66E-3	9.69E-4	1.58E-5	0.003	1.51E-7
	11035-3	17,369	1.83E-3	4.68E-4	2.03E-5	0.002	1.32E-7
2	11035-4	17,378	2.10E-3	2.60E-4	3.57E-5	0.002	1.36E-7
2	11035-5	17,389	1.72E-3	3.75E-5	1.02E-6	0.002	1.01E-7
	11035-6	17,364	3.60E-3	9.56E-5	1.02E-6	0.004	2.13E-7
	11035-7	17,395	1.01E+0	4.37E-3	1.72E-5	1.013	
	11035-8	17,371	8.06E-3	1.75E-4	9.80E-6	0.008	4.74E-7

Table 3-2. Uranium leached from 40% PF OC TRISO after the burn

*Note:* Uranium content in each leach is reported in kernel equivalents.

<sup>*a*</sup> Gray shading indicates that the water rinse was not added to the total.

<sup>b</sup> Individual DUF<sub>Post</sub> is the postburn leach fraction of exposed uranium in each clutch with <0.5 exposed kernel equivalents.

Table 3-3 summarizes the dispersed uranium analysis results for OC TRISO Batch 11034 and Batch 11035 separately and considered as a pooled data set. The mean and standard deviations for DUF<sub>Pre</sub> and DUF<sub>Post</sub> come from the individual clutch values reported in Table 3-1 and Table 3-2, respectively. The 95% confidence limits in Table 3-3 are the upper bounds of the 95% confidence interval of the mean value for the sampled material based on the measured sample. The DUF<sub>Pre</sub> and DUF<sub>Post</sub> 95% confidence limits were calculated using the Student's t-test (Equation 2.1). The DUF<sub>Total</sub> mean value was calculated by adding the DUF<sub>Pre</sub> and DUF<sub>Post</sub> mean values as stipulated in the AGR-5/6/7 Fuel Specification, and the 95% confidence limit was determined from approximations of the cumulative probability distributions for DUF<sub>Pre</sub> and DUF<sub>Post</sub> as described in Section 2. The DUF results from the two OC TRISO batches were very similar, so pooling the data to provide better statistical sampling appears to be justified. Approximately 96% of the total dispersed uranium was leached in the preburn leaches.

Batch		DUFPre	DUFPost	DUF <sub>Total</sub>
	Measured mean	5.20E-6	1.89E-7	5.39E-6
11034	Standard deviation	1.73E-7	2.78E-8	
	95% confidence limit	≤ 5.41E-6	≤2.37E-7	$\leq$ 5.62E-6
	Measured mean	5.04E-6	1.90E-7	5.23E-6
11035	Standard deviation	1.55E-7	1.30E-7	
	95% confidence limit	≤ 5.15E-6	≤2.86E-7	≤ 5.38E-6
	Measured mean	5.09E-6	1.90E-7	5.28E-6
Pooled	Standard deviation	1.73E-7	1.07E-7	
	95% confidence limit	≤ 5.19E-6	≤2.52E-7	$\leq 5.40\text{E-}6$

Table 3-4 presents the EKF and SDF values calculated from the data presented in Table 3-1 and Table 3-2, respectively. Again, results are provided for Batches 11034 and 11035 separately and as a pooled data set. The 95% confidence limits in Table 3-4 correspond to the true defect fractions in the sampled population that yield a cumulative binomial distribution value of 0.95 for the observed number of defects and sample size. These values are the lowest tolerance limits for which the compact lot would be deemed acceptable at 95% confidence, based on the sample that was measured. There is no strong evidence for a significant difference in EKF and SDF in Batches 11034 and 11035, and given that they were processed similarly, it is reasonable to assume that pooling the data is justified. There were no exposed kernels detected in the preburn leach solutions. Zero exposed-kernel defects in a pooled sample of 211,082 OC particles satisfies an upper limit on the EKF in the OC TRISO composite of  $\leq$ 1.42E-5 with 95% confidence. Based on the prescribed data analysis methods in the fuel specification, there were two exposed kernels detected in the postburn leach solutions, which satisfies to a 95% confidence an upper limit on the SDF in the OC TRISO composite of  $\leq$ 2.99E-5.

Batch		EKF	SDF
	Number of defects	0	1
11024	Number of particles	~72,039	~72,039
11034	Measured defect fraction	0	1.39E-5
	95% confidence limit	≤4.16E-5	≤6.59E-5
	Number of defects	0	1
11025	Number of particles	~139,043	~139,043
11035	Measured defect fraction	0	7.19E-6
	95% confidence limit	≤2.16E-5	≤ 3.42E-5
	Number of defects	0	2
Pooled	Number of particles	~211,082	~211,082
Pooled	Measured defect fraction	0	9.47E-6
	95% confidence limit	≤1.42E-5	≤ 2.99E-5

#### Table 3-4. Defect fractions in 40% PF OC TRISO

The amount of uranium leached from Clutch 11035-7 after the burn was 1.013 kernel equivalents, which strongly supports a conclusion that the uranium came from a single particle with an exposed-kernel defect. The amount of uranium leached from Clutch 11034-4 was 1.234 kernel equivalents, which is uncharacteristically high for a typical LBL analysis involving one defective particle. Possible explanations include (1) higher than normal error in the mass spectrometry, (2) the presence of more than one particle with an exposed-kernel defect in conjunction with incomplete leaching, and (3) one particle with an exposed-kernel defect that had abnormally high uranium content. Incomplete leaching is unlikely given the low uranium content in the second postburn leach. The possibility that a single defective particle contained an abnormally high amount of uranium is likely given the observation of particles with additional kernel material in samples from the AGR-5/6/7 TRISO particle composite and from the individual TRISO particle batches that were blended to form the composite (Helmreich et al. 2017a, Helmreich et al. 2017b). In the x-ray analysis of 241,822 particles from the AGR-5/6/7 TRISO particle composite, six particles with additional kernel material were identified. The additional kernel material was related to the inclusion of fragments of fractured kernels that were bonded to the main kernel prior to coating or trapped in the buffer layer during coating. Figure 3-1 and Figure 3-2 show examples. Because the embedded fragments produce abnormal shapes and dispersed uranium in the coating layers, there may be a greater chance that particles of this type will also have coating defects.

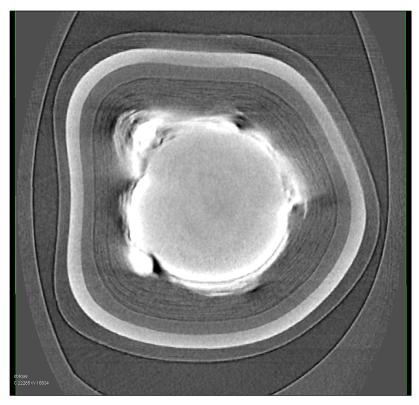


Figure 3-1. Tomographic cross section of a particle from Batch 93168 with embedded kernel fragments and uranium dispersion in the buffer layer (Helmreich et al. 2017b, Figure 2-12).

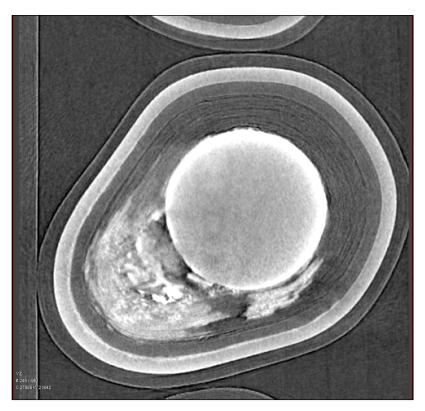


Figure 3-2. Tomographic cross-section of a particle from Batch 93172 with embedded kernel fragments and uranium dispersion in the buffer layer (Helmreich et al. 2017b, Figure 2-11).

The data presented herein do not include data from the second group of four OC TRISO samples analyzed in the first test series, which included three exposed kernels in the preburn leach of one clutch and four in another. These data were reported and discussed in ORNL/TM-2019/744. The second sample group in the first test series was suspected to contain erroneous data due to (1) the challenge of working with the AGR-5/6/7 graphite/resin overcoating material, which produced a viscous suspension in the leach acid that was difficult to separate from the TRISO particles, combined with (2) the fact that the analysis of the second sample group in the first test series was performed by less experienced personnel. Statistical analysis of the observed preburn leach defect distribution in the eight clutches from Batch 11034 in the first test series determined there was  $\leq 1\%$  probability for the observed distribution. The fact that no exposed kernels were observed in the preburn leaches performed on eight more OC TRISO clutches from Batch 11035 in the second test series reduces the probability to <0.05% with the assumption that the two batches should have similar EKFs. Therefore, the data from the suspect group have been discarded from the analysis of the results presented herein.

#### 3.2 COMPARISON TO BWXT NOG LBL ANALYSIS OF TRISO PARTICLES

The OC TRISO particles in Batches 11034 and 11035 were made from a composite of four coated particle batches, Composite J52R-16-98005. TRISO particles from Composite 98005 were analyzed with LBL by BWXT NOG, and the DUF, EKF, and SDF results reported in INL/EXT-18-45110 (Marshall 2018) are shown in Table 3-5. The measured values and 95% confidence upper limits for the TRISO particles prior to overcoating are higher than what was determined for the pooled data from the ORNL LBL analysis of the OC TRISO particles (Table 3-3 and Table 3-4).

	DUF <sub>Total</sub>	EKF	SDF
Number of defects		3	3
Number of particles		~319,000	~159,000
Measured defect fraction	1.04E-5	9.40E-6	1.89E-5
95% confidence limit	а	$\leq$ 2.43E-5	$\leq$ 4.88E-5

#### Table 3-5. Defect fractions in TRISO particle Lot 98005 prior to overcoating (Marshall 2018)

<sup>*a*</sup> No 95% confidence value was available for DUF because only one of the three postburn leach samples had no exposed kernels.

Using the comparison method described in Appendix A and the data in Table 3-4 and Table 3-5, the odds are 29:1 that the OC TRISO EKF is not >1E-5 higher<sup>†</sup> than the TRISO EKF, and the odds are 42:1 that the OC TRISO SDF is not >2E-5 higher<sup>†</sup> than the TRISO SDF. In both cases, it is more likely that the two populations had defect fractions within the chosen margins for comparison. This leads to the reasonable conclusion that the overcoating process did not significantly increase the populations of defective particles already present in the TRISO particle feedstock. The limited available information regarding the DUF<sub>Total</sub> of TRISO Batch 98005 precludes detailed comparison to the OC TRISO, but since the measured mean DUF<sub>Total</sub> for the TRISO is roughly double that for the OC TRISO, there is no evidence that DUF increased during overcoating.

<sup>&</sup>lt;sup>†</sup> As discussed in Appendix A, the margins chosen for the statistical comparison between data sets are typically equal to 20% of the specified limits for EKF (20%×5E-5=1E-5) and SDF (20%×1E-4=2E-5). Differences less than this margin are expected to have insignificant impact on the acceptance testing.

#### 4. 25% PF COMPACTS

Confirmatory LBL analysis was completed on 60 AGR-5/6/7 compacts with a nominal 25% PF (Table 1-1). Compacts were sampled in clutches of five compacts each and analyzed in groups of four clutches at a time. The eight clutches analyzed in the first test series were from two different BWXT NOG furnace tray batches. Each clutch was randomly selected from a composite sample containing 29 compacts from Batch 14156C and 11 compacts from Batch 14156D. These batches were pressed in the same compacting run but were heat treated separately. The 20 compacts measured in the second test series all came from Batch 14156D. All leach solutions were analyzed for uranium content, and the first group in the first test series was also analyzed for other impurities (Fe, Cr, Mn, Co, Ni, Ca, Al, Ti, and V). The impurity analysis results are reported in ORNL/TM-2019/744. Appendix C contains copies of the preburn leach and postburn leach DRFs for each analyzed clutch, as well as the IRFs that summarize the data. The data are further presented and discussed in the remainder of this section. Only analysis of the pooled data is presented because the results associated with Batches 14156C and 31 from Batch 14156D, the two batches are reported equally in the pooled data.

#### 4.1 LBL ANALYSIS FOR EXPOSED URANIUM IN 25% PF COMPACTS

Table 4-1 shows the amounts of uranium (in kernel equivalents) detected in the solutions collected during preburn leaching of the 25% PF compact clutches, and Table 4-2 shows similar data for the postburn leaching. The values for total uranium leached from each clutch do not include the water rinse data except for the preburn leach total for Clutch 14156C/D-6, which met the DAM-26 criteria for inclusion because the uranium detected in the water rinse was >10% of the second leach and >1% of the average uranium per kernel. The elevated uranium content in the preburn water rinse of 1.56E-2 in Clutch 14156C/D-6 indicates that leaching of exposed uranium may not have been complete. Clutch 14156C/D-6 was also the only clutch in which a preburn leach exposed-kernel defect was detected based on the AGR-5/6/7 Fuel Specification definitions described in Section 2. Table 4-1 shows the individual preburn leach DUF<sub>Pre</sub> values for the other clutches in which the preburn leached uranium was <0.5 kernel equivalents. Similarly, Table 4-2 shows the DUF<sub>Post</sub> values for the clutches with <0.5 kernel equivalents in the postburn leach solutions.

Series	Clutch	Particles <sup>a</sup>	First leach	Second leach	H <sub>2</sub> O rinse <sup>b</sup>	Total	DUF <sub>Pre</sub> <sup>c</sup>
	14156C/D-1	11,465	3.66E-2	6.77E-3	6.56E-4	0.043	3.79E-6
	14156C/D-2	11,465	2.90E-2	6.01E-3	6.18E-4	0.035	3.05E-6
	14156C/D-3	11,465	1.87E-1	2.87E-2	2.98E-3	0.216	1.88E-5
1	14156C/D-4	11,465	6.74E-2	8.13E-3	1.17E-3	0.076	6.59E-6
1	14156C/D-5	11,465	4.12E-2	4.75E-3	7.66E-4	0.046	4.00E-6
	14156C/D-6	11,465	8.70E-1	6.29E-2	1.56E-2	0.949	
	14156C/D-7	11,465	2.81E-2	2.96E-3	4.53E-4	0.031	2.71E-6
	14156C/D-8	11,465	3.15E-2	5.78E-3	8.55E-4	0.037	3.26E-6
	14156D-1	11,465	3.75E-2	3.91E-3	1.88E-4	0.041	3.61E-6
2	14156D-2	11,465	3.88E-2	5.00E-3	2.41E-4	0.044	3.82E-6
2	14156D-3	11,465	4.80E-2	4.34E-3	2.36E-4	0.052	4.56E-6
	14156D-4	11,465	3.07E-2	3.13E-3	1.65E-4	0.034	2.95E-6

Table 4-1. Uranium leached from 25% PF compacts before the burn

Note: Uranium content in each leach is reported in kernel equivalents.

<sup>*a*</sup> The number of particles per clutch was estimated from a determination of the average number of particles per compact, namely 2293 for Batch 14156 (Marshall 2019).

<sup>b</sup> Gray shading indicates that the water rinse was not added to the total.

<sup>c</sup> Individual DUF<sub>Pre</sub> is the preburn leach fraction of exposed uranium in each clutch with <0.5 exposed kernel equivalents.

Series	Clutch	Particles <sup>a</sup>	First leach	Second leach	H <sub>2</sub> O rinse <sup>b</sup>	Total	DUFPost <sup>c</sup>
	14156C/D-1	11,465	1.25E-2	3.59E-4	2.04E-5	0.013	1.13E-6
	14156C/D-2	11,465	1.35E-2	2.96E-4	2.12E-5	0.014	1.20E-6
	14156C/D-3	11,465	1.29E-1	2.31E-4	1.79E-5	0.129	1.13E-5
1	14156C/D-4	11,465	1.25E-2	3.94E-4	7.68E-5	0.013	1.13E-6
1	14156C/D-5	11,465	1.17E+0	5.52E-3	5.42E-4	1.176	
	14156C/D-6	11,465	2.16E+0	5.85E-3	4.08E-4	2.164	
	14156C/D-7	11,465	1.45E-2	6.71E-4	1.01E-4	0.015	1.32E-6
	14156C/D-8	11,465	1.35E-2	2.59E-3	1.09E-4	0.016	1.40E-6
	14156D-1	11,465	1.25E-2	4.21E-4	1.74E-5	0.013	1.12E-6
2	14156D-2	11,465	1.27E-1	1.18E-1	2.92E-4	0.246	2.14E-5
2	14156D-3	11,465	1.21E-2	3.05E-4	6.00E-5	0.012	1.08E-6
	14156D-4	11,465	1.25E-2	3.37E-4	3.21E-5	0.013	1.12E-6

Table 4-2. Uranium leached from 25% PF compacts after the burn

Note: Uranium content in each leach is reported in kernel equivalents.

<sup>a</sup> The number of particles per clutch was estimated from a determination of the average number of particles per compact,

namely 2293 for Batch 14156 (Marshall 2019). <sup>*b*</sup> Gray shading indicates that the water rinse was not added to the total.

<sup>c</sup> Individual DUF<sub>Post</sub> is the postburn leach fraction of exposed uranium in each clutch with <0.5 exposed kernel equivalents.

The calculated DUF<sub>Pre</sub> and DUF<sub>Post</sub> for clutches with <0.5 kernel equivalents of leached uranium were fairly consistent except for four significant outliers. Clutch 14156C/D-3 had elevated levels of uranium detected in both the preburn and postburn leach series, Clutch 14156C/D-4 had a slightly elevated level of uranium in the preburn leach series, and Clutch 14156D-2 had elevated levels detected in the postburn leach series. The source of these abnormally high levels of leached uranium can only be conjectured using the existing data. Possible sources may be (1) individual particles with an exposed kernel or SiC defect that were incompletely leached, or (2) the excess uranium could be from inclusion of a kernel fragment or some other localized uranium contamination. Incomplete leaching of the kernel in an individual particle due to restriction of acid infiltration to the kernel is unlikely for the preburn and postburn leaches of Clutch 14156C/D-3 because the successive analysis of the first leach, the second leach, and the water rinse showed significant reduction in the amount of uranium leached at each step, and the second postburn leach was very low, with a total of only 0.345 kernel equivalents leached. A more likely scenario is that an abnormally high amount of uranium was in the OPyC or matrix, and this uranium was in a form that was not easily leached until after the burn. Two observations support this hypothesis: (1) while the amount of uranium detected in each successive preburn leach dropped by approximately an order of magnitude, the amount in each leach was higher than observed in most of the other clutches, and (2) the amount of uranium leached after the burn dropped approximately three orders of magnitude after the first postburn leach to a level less than observed in most of the other clutches. The preburn leach progression in Clutch 14156C/D-4 also suggests localized uranium contamination in the OPyC or matrix. In contrast, the elevated amount of uranium detected in the postburn leaches of Clutch 14156D-2 appears to be more consistent with incomplete leaching of the kernel from a particle with defective SiC because the second acid leach contained almost as much uranium as the first.

After LBL, all particles in Clutch 14156D-2 were mounted in a single layer on Kapton tape for x-ray radiography. Examination of the x-ray radiographs revealed one particle with unusual x-ray opacity. This particle is shown in Figure 4-1a, where the darker areas in the radiograph indicate lower x-ray attenuation and the brighter areas indicate higher x-ray attenuation. The abnormal particle was removed from the Kapton tape and imaged with x-ray computed tomography (XCT). The x-ray tomogram in Figure 4-1b shows a lining inside the SiC layer containing material with high atomic number (Z), probably uranium. The interior of the particle could not be imaged because of the x-ray attenuation in this high-Z lining. A region of degraded SiC can also be seen in Figure 4-1b, with high-Z material in the degraded region. It is

possible that some of the particle's uranium was leached through the region of degraded SiC and that this particle is responsible for most of the 0.246 kernel equivalents detected during the postburn leach of Clutch 14156D-2. Confirmation of this hypothesis would require further analysis to determine how much uranium remains in the particle and why the SiC degradation only resulted in partial leaching.

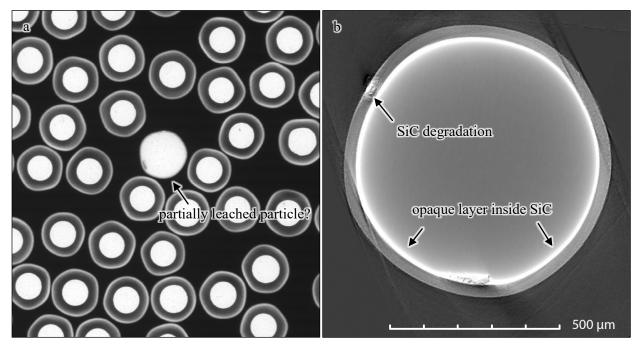


Figure 4-1. (a) Low resolution x-ray radiograph and (b) high-resolution x-ray tomogram showing what may be a partially leached particle from Clutch 14156D-2.

Table 4-3 shows the DUF data for the 25% PF compacts in terms of mean, standard deviation, and upper bounds of the 95% confidence interval of the mean value for the sampled material based on the measured samples. The distributions of the DUF values determined by the LBL analysis of the 25% PF compacts suggest that the measured DUF is comprised of uniformly distributed dispersed uranium plus localized higher concentrations in a few individual compacts. Such outliers do not conform to the definition for dispersed uranium and the assumption that it is a variable property as measured. Table 4-3 shows the calculated DUF using all available data and two alternate calculations using filtered data sets, where outliers were excluded to estimate the uniformly distributed contribution. Filtering was achieved by first calculating the median and median absolute deviation (MAD) from all available DUF<sub>Pre</sub> and DUF<sub>Post</sub> values, and then excluding values that deviated from the median by more than selected multiples of the MAD. A filter criterion of  $<10 \times MAD$  above the median can be considered to be a conservative approach for culling out only the outliers with an extreme deviation, and it resulted in the filtering out of the DUF contributions from the Clutch 14156C/D-3 preburn leach, the Clutch 14156C/D-3 postburn leach, and the Clutch 14156D-2 postburn leach. A filter criterion of <3×MAD above the median also filtered out the Clutch 14156C/D-4 preburn leach data. The mean, standard deviation, and 95% confidence limit for the filtered DUF values shown in Table 4-3 were calculated with the standard methods prescribed in the AGR-5/6/7 Fuel Specification and discussed in Section 2.

		DUFPre	DUFPost	DUF <sub>Total</sub>
	Measured mean	5.20E-6	4.22E-6	9.42E-6
All data	Standard deviation	4.63E-6	6.83E-6	
	95% confidence limit	$\leq$ 7.73E-6	$\leq 8.19\text{E-6}$	$\leq$ 1.42E-5
All data	Measured median	3.79E-6	1.17E-6	
	Median absolute deviation	7.30E-7	6.48E-8	
	Measured mean	3.83E-6	1.19E-6	5.02E-6
<10×MAD filtered data <sup><i>a</i></sup>	Standard deviation	1.12E-6	1.14E-7	
	95% confidence limit	$\leq$ 4.49E-6	$\leq 1.27\text{E-6}$	$\leq$ 5.68E-6
	Measured mean	3.53E-6	1.19E-6	4.72E-6
<3×MAD filtered data <sup>b</sup>	Standard deviation	5.87E-7	1.14E-7	
	95% confidence limit	$\leq$ 3.90E-6	$\leq 1.27\text{E-6}$	$\leq$ 5.10E-6

Table 4-3. Dispersed uranium in 25% PF compacts

<sup>*a*</sup> The <10×MAD filtered data do not include data from the Clutch 14156C/D-3 preburn leach, the Clutch 14156C/D-3 postburn leach, or the Clutch 14156D-2 postburn leach.

postburn leach, or the Clutch 14156D-2 postburn leach. <sup>b</sup> The <3×MAD filtered data do not include data from the Clutch 14156C/D-3 preburn leach, the Clutch 14156C/D-3 postburn leach, the Clutch 14156D-2 postburn leach, or the Clutch 14156C/D-4 preburn leach.

The DUF<sub>Total</sub> mean and 95% confidence limit values for the 25% PF compact filtered data shown in Table 4-3 compare well with the DUF<sub>Total</sub> mean value of 5.28E-6 and 95% confidence limit value of  $\leq$ 5.40E-6 for the pooled OC TRISO data summarized in Table 3-3. This shows that the uranium contamination was generally not any higher in the majority of the 25% PF compacts than in the particles.<sup>‡</sup> However, for cases in which the DUF<sub>Pre</sub> was ~96% of the DUF<sub>Total</sub> in the OC TRISO, the filtered DUF<sub>Pre</sub> was ~75–76% of the DUF<sub>Total</sub> in the 25% PF compacts. This could indicate that the 1,800°C heat treatment was driving reaction of the dispersed uranium with the surrounding carbon, such that the preburn leachability of the uranium was reduced. Such an effect would also explain the slow preburn leaching of what is presumed to be localized uranium contamination in Clutch 14156C/D-3.

Although the DUF<sub>Total</sub> for the filtered data sets indicates that the uniformly distributed dispersed uranium was below the specified limit of  $\leq 1E$ -5 at 95% confidence, the impact of the outlier data on the overall amount of exposed uranium cannot be ignored. Without supplemental analyses to show that the excess uranium leached from these outlier samples came from individual particles with exposed-kernel defects or SiC defects, the most conservative approach is to include the outlier data in the calculation of mean DUF because the specification on maximum DUF is the most stringent ( $\leq 1E$ -5 at 95%) compared to the limits on EKF ( $\leq 5E$ -5 at 95%) and SDF ( $\leq 1E$ -4 at 95%). The upper bounds of the 95% confidence interval of the mean value for the sampled material—based on the DUF<sub>Total</sub> calculated without filtering the outlier DUF data—are above the AGR-5/6/7 specified limit of  $\leq 1E$ -5 at 95% confidence. Thus, it appears that the cause of the 25% PF compact batches failing to meet the specified criteria for DUF<sub>Total</sub> may be associated with abnormal, localized contamination in individual compacts (most likely in individual particles). In addition, the fact that the outlier DUF values skewed the distribution of measured DUF values suggests that the Student's t-test based on means and standard deviations may not be appropriate for the calculation of the confidence interval.

Table 4-4 shows the calculated EKF and SDF for the 25% PF compacts. The 95% confidence limits in the table correspond to the true defect fractions in the sampled population that yield a cumulative binomial distribution value of 0.95 for the observed number of defects and sample size. These values are the lowest tolerance limits for which the compact lot would be deemed acceptable at 95% confidence based on the

<sup>&</sup>lt;sup>‡</sup> While the data in Section 3 are from OC TRISO used for the 40% PF compacts, it is reasonable to presume that the source of the DUF, EKF, and SDF is from the underlying TRISO particles that were used for both AGR-5/6/7 packing fractions. Therefore, comparisons between the 40% PF OC TRISO and the 25% PF compacts are valid.

sample measured. The 95% confidence upper limits for EKF and SDF calculated from the pooled data were below the AGR-5/6/7 specified maximum values for EKF ( $\leq$ 5E-5 at 95%) and SDF ( $\leq$ 1E-4 at 95%). In the previous analysis of the first test series of 40 25% PF compacts that was reported in ORNL/TM-2018/744, the 95% confidence upper limit on EKF ( $\leq$ 5.18E-5) was just above the specified maximum. It was hypothesized in that report that additional sampling of the 25% PF compacts would likely provide a lower 95% confidence limit because the measured defect fraction in the 40-compact sample was only 1.09E-5. This hypothesis has been confirmed via the addition of 20 more compacts to the sample size.

	EKF	SDF
Number of defects	1	3
Number of particles	~137,580	~137,580
Measured defect fraction	7.27E-6	2.18E-5
95% confidence limit	$\leq$ 3.45E-5	$\leq$ 5.64E-5

Table 4-4. Defect fractions in 25% PF compacts

The measured defect fractions for EKF and SDF obtained from the 60 analyzed 25% PF compacts (Table 4-4) were higher than the measured defect fractions for EKF and SDF obtained from the OC TRISO analysis but were less than the 95% confidence limits for the OC TRISO EKF and SDF (Table 3-4). Using the comparison method described in Appendix A and the data in Table 3-4 and Table 4-4, the odds are only 0.65:1 that the EKF for the 25% PF compacts was >1E-5 higher than the OC TRISO EKF, and the odds are only 0.48:1 that the SDF was >2E-5 higher in the 25% PF compact lot. This comparison suggests that the 25% PF compacting may have resulted in a minor increase in the defect fractions, but the statistics do not provide significant certainty for this conclusion. Any increase can be considered essentially insignificant compared to the AGR-5/6/7 fuel specification limits given that the 25% PF compacts nevertheless pass the acceptance tests for EKF and SDF based on the data in Table 4-4. As discussed in Section 5.1, there is much stronger evidence that increasing the packing fraction to 40% resulted in significant particle damage. Therefore, it is possible that some particle damage was also occurring during compacting of the 25% PF compacts, but with lower probability due to the lower packing fraction.

#### 4.2 COMPARISON BETWEEN ORNL AND BWXT NOG LBL OF 25% PF COMPACTS

Table 4-5 summarizes the available EKF and SDF data for the 25% PF compacts obtained from the independent analyses performed at BWXT NOG and ORNL. Using the comparison method described in Appendix A and the data in Table 4-5, the BWXT NOG data for the two sampled batches indicate odds of 1.4:1 that the Batch 14156C EKF was >1E-5 higher than the Batch 14157C EKF. This does not provide a high certainty that the variation in the EKF values for the two compacting runs analyzed by BWXT NOG was significant. Comparison of the BWXT NOG Batch 14156C EKF data to the ORNL Batch 14156C/D EKF data gave essentially even odds of 0.90:1 that the two sampled populations were within a comparison margin of 1E-5 and 3:1 odds that they were within 2E-5. Comparison of the BWXT NOG Batch 14157C EKF data to the ORNL Batch 14156C/D EKF data indicates better agreement, with odds of 1.3:1 that the EKF of the sampled populations were within a 1E-5 comparison margin and 4.5:1 that they were within 2E-5. Pooling all the EKF data in Table 4-5 gives a measured defect fraction of 7.35E-6 (3 defects in 408,000 particles), and the pooled data indicate that the pooled population would pass an acceptance criteria of ≤1.91E-5 at 95% confidence. Pooling just the BWXT NOG Batch 14157C EKF data and the ORNL Batch 14156C/D EKF data gives a lower measured defect fraction of 3.70E-6 (1 defect in 270,420 particles), but the pooled data only indicate that the pooled population would pass a slightly lower acceptance criteria of  $\leq 1.76E-5$  at 95% confidence. Therefore, even if it is biased high,

including the BWXT NOG data from Batch 14156C does not significantly impact the acceptance testing results.

			tompatt Lill a		
		•	а	ORNL data	
		14156C	14157C	Pooled	14156C/D
EKF	Number of defects	2	0	2	1
	Number of particles	~137,580	~132,840	~270,420	~137,580
	Measured defect fraction	1.45E-5	0	7.40E-6	7.27E-6
	95% confidence limit	$\leq$ 4.58E-5	$\leq$ 2.26E-5	$\leq$ 2.33E-5	$\leq$ 3.45E-5
	Number of defects	17	8	25	3
SDF	Number of particles	~137,580	~132,840	~270,420	~137,580
SDF	Measured defect fraction	1.24E-4	6.02E-5	9.24E-5	2.18E-5
	95% confidence limit	≤1.86E-4	$\leq 1.09\text{E-4}$	≤1.30E-4	$\leq$ 5.64E-5

Table 4-5. Comparison of 25% PF compact EKF and SDF results

<sup>*a*</sup> The BWXT NOG pooled data was extracted from INL/EXT-18-45110 (Marshall 2018), and the BWXT NOG batch data was extracted from the spreadsheet used for that report (Marshall 2019).

Using the comparison method described in Appendix A to examine the SDF data in Table 4-5 indicates significant discrepancies between the ORNL and BWXT NOG data. Comparison of the BWXT NOG Batch 14156C SDF data to the ORNL Batch 14156C/D SDF data gives odds of 137:1 that the population sampled by BWXT NOG had an SDF that was more than 2E-5 higher than the population sampled by ORNL. Since both these measured samples came from the same compacting run, this disagreement shows strong inconsistency in the analysis results. Comparison of the BWXT NOG Batch 14157C SDF data to the ORNL Batch 14156C/D SDF data indicates that the odds are 3.2:1 that the population sampled by BWXT NOG had an SDF >2E-5 higher than the population sampled by ORNL. Comparison between the BWXT NOG analyses of the SDF in Batches 14156C and 14157C is also unfavorable, with indication of 7.0:1 odds that the SDF in the Batch 14156C sampled population was >2E-5 higher than in the Batch 14157C sampled population.

It is most likely that the high SDF values observed in the BWXT NOG analyses were an artifact of the analyses. Otherwise, the comparison of the BWXT NOG TRISO particle data to the BWXT NOG data for the 25% PF compacts indicates there was a significantly higher SDF after compacting, especially for the Batch 14156C population, where the BWXT NOG analysis data indicates odds of 289:1 that the SDF was >2E-5 higher than the TRISO and 59:1 odds that it was >4E-5 higher. It is not reasonable that the SDF would increase this much without the EKF also increasing significantly. In contrast, comparing the ORNL 25% PF compact data for SDF to the BWXT NOG TRISO particle SDF data does not show a significant change in the SDF after compacting, with odds of 0.23:1 for the compact SDF being >2E-5 higher than the TRISO SDF, 0.11:1 for the TRISO SDF being >2E-5 higher than the compact SDF, and 2.5:1 for the compacts and TRISO having SDF values within the 2E-5 margin of comparison.

The ORNL DUF results are not compared herein to the BWXT NOG DUF results because of discrepancies in the available BWXT NOG data that would require additional information and analysis for meaningful comparison. The primary issue was the existence of non-physical zero values in the BWXT data for many of the clutches that skew the cumulative results. There are indications from a survey of the non-zero BWXT clutch data that some of the BWXT DUF results may be consistent with the ORNL DUF values and with observations made regarding contributions from general dispersed uranium and from localized higher concentrations of uranium contamination.

#### 5. 40% PF COMPACTS

Confirmatory LBL analysis was completed on 100 AGR-5/6/7 compacts with a nominal 40% PF (Table 1-1). Compacts were randomly sampled in clutches of five compacts each and analyzed in groups of four clutches at a time. The first two groups were measured in the first test series and were obtained from Batch 14154C. The second test series included another group of 20 compacts from Batch 14154C and 40 compacts from Batch 14155C. All leach solutions were analyzed for uranium, and leachates from the second group in the first test series were also analyzed for other impurities (Fe, Cr, Mn, Co, Ni, Ca, Al, Ti, and V). Impurity analysis results are reported in ORNL/TM-2019/744. Appendix D contains copies of the preburn leach and postburn leach DRFs for each analyzed clutch, as well as the IRFs that summarize the data. The data are presented and discussed further in the remainder of this section.

#### 5.1 LBL ANALYSIS FOR EXPOSED URANIUM IN 40% PF COMPACTS

Table 5-1 shows the amounts of uranium (in kernel equivalents) detected in the solutions collected during preburn leaching of the 40% PF compact clutches, and Table 5-2 shows similar data for the postburn leaching. Individual preburn leach DUF<sub>Pre</sub> values and postburn leach DUF<sub>Post</sub> values are shown for cases in which the total uranium leached before or after the burn was <0.5 kernel equivalents, respectively. There was a significant amount of uranium in each of the preburn leach water rinse solutions for the first four samples in the first test series (>10% of the second leach and >1% of the average uranium per kernel), so these data were included in the total leached uranium values. The water rinses were not analyzed for the other samples in the first test series.

Series	Clutch	Particles <sup>a</sup>	First leach	Second leach	H <sub>2</sub> O rinse <sup>b</sup>	Total	DUF <sub>Pre</sub> <sup>c</sup>
	14154C-1	~17,395	1.95E+0	1.38E-1	3.03E-2	2.12	
	14154C-2	~17,395	8.55E-1	1.89E+0	3.22E-1	3.07	
	14154C-3	~17,395	1.82E+0	1.86E-1	3.79E-2	2.04	
1	14154C-4	~17,395	2.47E+0	2.43E-1	2.79E-2	2.75	
1	14154C-5	~17,395	2.76E-2	5.73E-3		0.03	1.91E-6
	14154C-6	~17,395	3.87E-2	6.84E-3		0.05	2.62E-6
	14154C-7	~17,395	9.33E-1	1.52E-1		1.09	
	14154C-8	~17,395	2.60E-2	6.36E-3		0.03	1.86E-6
	14154C-1	~17,395	1.03E+0	3.71E-3	1.22E-4	1.03	
	14154C-2	~17,395	9.75E-1	4.78E-2	8.33E-4	1.02	
	14154C-3	~17,395	1.02E+0	4.72E-2	1.38E-3	1.07	
	14154C-4	~17,395	3.11E-2	5.01E-3	1.68E-4	0.04	2.08E-6
	14155C-1	~17,100	4.23E+0	2.34E-1	7.36E-3	4.46	
2	14155C-2	~17,100	2.02E-1	2.65E-2	1.07E-3	0.23	1.33E-5
2	14155C-3	~17,100	4.14E-2	5.03E-3	2.78E-4	0.05	2.71E-6
	14155C-4	~17,100	1.97E+0	1.01E-1	3.60E-3	2.08	
	14155C-5	~17,100	1.91E+0	8.33E-2	2.50E-3	1.99	
	14155C-6	~17,100	3.90E-2	3.92E-3	2.80E-4	0.04	2.51E-6
	14155C-7	~17,100	1.98E+0	1.35E-1	5.23E-3	2.12	
	14155C-8	~17,100	9.98E-1	5.82E-2	2.60E-3	1.06	

Table 5-1. Uranium leached from 40% PF compacts before the burn

Note: Uranium content in each leach is reported in kernel equivalents.

<sup>*a*</sup> The number of particles per clutch was estimated from a determination of the average number of particles per compact, namely 3479 for Batch 14154 and 3420 for Batch 14155 (Marshall 2019).

<sup>b</sup> Gray shading indicates that the water rinse was not added to the total; blanks indicate that no measurement was taken.

<sup>c</sup> Individual DUF<sub>Pre</sub> is the preburn leach fraction of exposed uranium in each clutch with <0.5 exposed kernel equivalents.

Series	Clutch	Particles <sup>a</sup>	First leach	Second leach	H <sub>2</sub> O rinse <sup>b</sup>	Total	DUF <sub>Post</sub> <sup>c</sup>
	14154C-1	~17,395	1.03E+0	8.35E-3	1.38E-4	1.04	
	14154C-2	~17,395	8.10E-2	5.14E-3	2.10E-4	0.09	4.95E-6
	14154C-3	~17,395	8.27E-1	1.23E-2	2.44E-4	0.84	
1	14154C-4	~17,395	7.23E-1	3.17E-1	3.70E-3	1.04	
1	14154C-5	~17,395	3.70E-2	7.26E-4	8.88E-5	0.04	2.17E-6
	14154C-6	~17,395	3.14E-2	7.58E-4	1.50E-4	0.03	1.85E-6
	14154C-7	~17,395	1.06E+0	8.41E-3	1.60E-4	1.07	
	14154C-8	~17,395	3.47E-2	6.62E-4	2.03E-4	0.04	2.03E-6
	14154C-1	~17,395	4.09E-2	1.94E-2	1.68E-3	0.06	3.47E-6
	14154C-2	~17,395	2.07E+0	1.20E-2	1.86E-3	2.08	
	14154C-3	~17,395	7.98E-2	3.18E-2	4.43E-4	0.11	6.42E-6
	14154C-4	~17,395	2.07E+0	3.91E-2	2.11E-4	2.11	
	14155C-1	~17,100	1.13E+0	3.28E-3	2.44E-4	1.13	
2	14155C-2	~17,100	1.14E+0	4.28E-3	4.20E-4	1.15	
2	14155C-3	~17,100	2.85E+0	4.19E-3	1.93E-4	2.85	
	14155C-4	~17,100	3.83E-2	2.45E-4	2.27E-4	0.04	2.25E-6
	14155C-5	~17,100	1.10E+0	4.53E-3	4.04E-5	1.10	
	14155C-6	~17,100	3.23E-2	9.55E-4	1.07E-5	0.03	1.94E-6
	14155C-7	~17,100	1.03E+0	5.11E-3	6.40E-5	1.03	
	14155C-8	~17,100	1.04E+0	4.89E-3	1.16E-4	1.04	

Table 5-2. Uranium leached from 40% PF compacts after the burn

Note: Uranium content in each leach is reported in kernel equivalents.

<sup>*a*</sup> The number of particles per clutch was estimated from a determination of the average number of particles per compact, namely 3479 for Batch 14154 and 3420 for Batch 14155 (Marshall 2019).

<sup>b</sup> Gray shading indicates that the water rinse was not added to the total.

<sup>c</sup> Individual DUF<sub>Post</sub> is the postburn leach fraction of exposed uranium in each clutch with <0.5 exposed kernel equivalents.

Similar to what was observed in the 25% PF compact analysis, the calculated  $DUF_{Pre}$  and  $DUF_{Post}$  values for individual clutches were fairly consistent except for two significant outliers in the preburn leach of Clutch 14155C-2 and the postburn leach of Clutch 14154C-3. Table 5-3 shows the DUF results based on all available DUF data in Table 5-1 and Table 5-2 vs. a reduced data set in which these two outliers were excluded using a filter criteria of <10×MAD on the pooled data as described in Section 4.1. As for the 25% PF compacts, the outlier contribution to the  $DUF_{Total}$  measured for the 40% PF compacts resulted in an upper bound on the 95% confidence interval of the mean value for the sampled compacts that was slightly above the AGR-5/6/7 specified limit of ≤1E-5.

Table 5-3. Dispersed uranium in 40% PF compacts
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				-
		DUFPre	DUFPost	DUF <sub>Total</sub>
All data	Measured mean	3.86E-6	3.14E-6	7.00E-6
	Standard deviation	4.19E-6	1.70E-6	
	95% confidence limit	$\leq 6.95\text{E-}6$	$\leq$ 4.28E-6	$\leq 1.04\text{E-5}$
All data	Measured median	2.51E-6	2.21E-6	
	Median absolute deviation	4.30E-7	3.13E-7	
	Measured mean	2.28E-6	2.67E-6	4.95E-6
<10×MAD filtered data <sup><i>a</i></sup>	Standard deviation	3.75E-7	1.15E-6	
	95% confidence limit	$\leq 2.60\text{E-}6$	$\leq$ 3.51E-6	$\leq$ 5.86E-6

<sup>*a*</sup> The <10×MAD filtered data do not include 14155C-2 preburn and 14154C-3 postburn data.

The measured mean DUF<sub>Total</sub> for the  $<10\times$ MAD filtered data set from the 40% PF compact analysis (4.95E-6) compares well with the measured mean DUF<sub>Total</sub> values for the OC TRISO pooled sample reported in Table 3-3 (5.28E-6) and the  $<10\times$ MAD filtered data set from the 25% PF compact sample reported in Table 4-3 (5.02E-6). This further reinforces the conclusions that there was a component of the total DUF uniformly distributed throughout the compacts and that this component was no higher than what was in the particles used to make the compacts. As observed when comparing the OC TRISO to the 25% PF compacts, the leachability of the uniformly dispersed uranium appeared different in the 40% PF compacts, presumably because of the thermal treatment of the compacts during processing. In the 40% PF compacts, ~46% of the <10×MAD filtered DUF was detected in the preburn leach compared to ~96% in the OC TRISO.

Table 5-4 shows the calculated EKF and SDF for the 40% PF compacts based on the data in Table 5-1 and Table 5-2. The 95% confidence limits in the table correspond to the true defect fractions in the sampled population that yield a cumulative binomial distribution value of 0.95 for the observed number of defects and sample size. These values are the lowest tolerance limits for which the compact lot would be deemed acceptable at 95% confidence based on the sample that was measured. Results are provided for Batches 14154C and 14155C separately and as a pooled data set. Using the comparison method described in Appendix A and the data in Table 5-4 results in odds of 1.3:1 that the EKF for Batch 14155C was >1E-5 higher than that in Batch 14154C, and it also results in odds of 0.95:1 that the SDF for Batch 14155C was >2E-5 higher than that in Batch 14154C. While the defect fractions in Batch 14155C may be marginally higher than those in Batch 14154C, these weak odds indicate that the difference is not likely to be significant with respect to the measured defect fractions. Pooling the data should not skew the data analyses more than ~1E-5, and it is statistically favorable to pool the data to reduce the uncertainty associated with the sample sizes. The SDF data for Batch 14154C indicate that the sampled population satisfied the specified limit of SDF  $\leq$  1E-4 at 95% confidence, as did the pooled population. The available SDF data for Batch 14155C was insufficient to show that the sampled population satisfied the specification, although it would pass a specified limit of SDF  $\leq$  1E-4 with 93.7% confidence, and additional sampling would most likely result in a positive acceptance test. Both individual batches and the pooled population failed to meet the specification of EKF  $\leq$  5E-5 at 95% confidence, and there is no indication that additional sampling would change this rejection result, given that the measured EKF values were all higher than the specified limit.

Batch		EKF	SDF
	Number of defects	14	8
14154C	Number of particles	~208,740	~208,740
14134C	Measured defect fraction	6.71E-5	3.83E-5
	95% confidence limit	$\leq 1.05\text{E-4}$	$\leq$ 6.92E-5
	Number of defects	11	8
14155C	Number of particles	~136,800	~136,800
14155C	Measured defect fraction	8.04E-5	5.85E-5
	95% confidence limit	$\leq 1.34\text{E-4}$	$\leq 1.06\text{E-4}$
	Number of defects	25	16
D 1 1	Number of particles	~345,540	~345,540
Pooled	Measured defect fraction	7.24E-5	4.63E-5
	95% confidence limit	$\leq 1.02\text{E-4}$	$\leq 7.04\text{E-5}$

Table 5-4. Defect fractions in 40% PF compacts

The measured defect fractions for EKF and SDF reported in Table 5-4 for the individual batches and the pooled sample of 100 analyzed 40% PF compacts are higher than the EKF and SDF reported in Table 3-4 for the OC TRISO. Using the comparison method described in Appendix A and the data in Table 3-4 and

Table 5-4, it can be shown that there is strong evidence that the pooled population of 40% PF compacts was higher than the pooled population of OC TRISO, with odds of 1,463:1 for a margin of >1E-5, 540:1 for a margin of >2E-5, and 46:1 for a margin of >4E-5. This indicates that the 40% PF compacting process was damaging the TRISO coatings, and kernels were exposed. There was also a less dramatic increase in SDF, indicating that the SiC layers in some particles were broken, but at least one of the pyrocarbon coatings remained liquid tight until after the burn. The measured results indicate odds of 6.0:1 that the SDF in the pooled population of 40% PF compacts was >2E-5 higher than the SDF in the pooled population of OC TRISO.

Table 5-1 shows the preburn leach results for the eight compact clutches in the first test series. There were ten exposed kernels in the first group of four compacts and only one in the second group. This result is discussed in ORNL/TM-2018/744 as an unlikely distribution if the failure mechanism were dependent on a particle attribute and only an  $\sim 10\%$  probable distribution if the failure mechanism was dependent on variability in processing between individual compacts. This raised questions regarding the possibility of the observed particle defects being an artifact of the LBL performed on the first group in the first test series. Given the agreement between the reported EKF measured by BWXT NOG and the cumulative results for the ORNL measured EKF for the first test series of 40 of the 40% PF compacts and the fact that the ORNL results were based on an insufficient sample size, ORNL/TM-2018/744 recommends that additional samples be analyzed to determine if the improbable distribution was real or if it was an artifact of the LBL process. The number and distribution of exposed kernels in the preburn leach analysis of the second test series of 60 additional 40% PF compacts provides evidence that the EKF determined from the 40 compacts in the first test series was accurate and does not support a conclusion that the 10 defects measured in the first group represent an LBL artifact. In fact, the measured EKF from the first test series reported in ORNL/TM-2018/744 (7.90E-5) is nearly the same as the results for the pooled data reported in Table 5-4.

## 5.2 COMPARISON BETWEEN ORNL AND BWXT NOG LBL OF 40% PF COMPACTS

Table 5-5 shows the EKF and SDF data for the 40% PF compacts based on the BWXT NOG analyses and the ORNL analyses. The overall comparison is similar to the comparison of the LBL results from the analyses of the 25% PF compacts discussed in Section 4.2 in that the EKF data from the two independent analyses compare fairly well, while there is a clear discrepancy in the SDF data. As observed in the ORNL data, the BWXT NOG analyses indicated that the Batch 14155C EKF may be slightly higher than the Batch 14154C EKF. Using the comparison method described in Appendix A and the BWXT NOG data in Table 5-5, the odds are 1.3:1 that the EKF in Batch 14155C was >1E-5 higher than the EKF in Batch 14154C. However, as argued for the ORNL data in Section 5.1, even with this weak indication from the analyzed samples that the defect fractions in Batch 14155C may be marginally higher, pooling the BWXT data should not skew the data analyses more than ~1E-5, and it is statistically favorable to pool the data to reduce the uncertainty associated with the sample sizes. The measured and upper limits for the 95% confidence intervals for EKF in the pooled populations analyzed by BWXT NOG and ORNL were nearly identical. Pooling all the EKF results in Table 5-5 results in a measured EKF of 6.95E-5 (42 defects in 604,105 particles), and the pooled data indicates that the pooled population would pass an acceptance criteria of  $\leq 9.0E-5$  with 95% confidence. The pooled population does not meet the specified criteria of EKF  $\leq$  5E-5 at 95% confidence.

Comparison of the SDF data shows that the BWXT NOG measured results were slightly higher, but the differences were minor when used to calculate the confidence intervals for the sample populations. Using the comparison method described in Appendix A and the BWXT NOG data in Table 5-5, the odds are 1.3:1 that the SDF in the BWXT NOG pooled sample was >2E-5 higher than the SDF in the ORNL pooled sample. The pooled SDF data from the ORNL analysis satisfy the specification of SDF  $\leq$  1E-4 at 95% confidence, while the pooled SDF data from BWXT NOG analysis do not. Pooling all the SDF data

results in a measured defect fraction of 5.63E-5 (34 defects out of 604,105 particles), and the pooled population would pass an acceptance criteria of  $\leq$ 7.5E-5 at 95% confidence.

		BWXT NOG data <sup>a</sup>			ORNL data			
		14154C	14155C	Pooled	14154C	14155C	Pooled	
	Number of defects	7	10	17	14	11	25	
EVE	Number of particles	~121,765	~136,800	~258,565	~208,740	~136,800	~345,540	
EKF	Measured defect fraction	5.75E-5	7.31E-5	6.57E-5	6.71E-5	8.04E-5	7.24E-5	
	95% confidence limit	$\leq 1.08\text{E-4}$	$\leq 1.24\text{E-4}$	$\leq$ 9.87E-5	$\leq 1.05\text{E-4}$	$\leq 1.34\text{E-4}$	$\leq 1.02\text{E-4}$	
	Number of defects	6	12	18	8	8	16	
CDE	Number of particles	~121,765	~136,800	~258,565	~208,740	~136,800	~345,540	
SDF	Measured defect fraction	4.93E-5	8.77E-5	6.96E-5	3.83E-5	5.85E-5	4.63E-5	
	95% confidence limit	$\leq$ 9.73E-5	$\leq$ 1.43E-4	$\leq 1.04\text{E-4}$	$\leq$ 6.92E-5	$\leq 1.06\text{E-4}$	$\leq 7.04\text{E-5}$	

Table 5-5. Comparison of 40% PF compact LBL results

<sup>*a*</sup> The BWXT NOG pooled data was extracted from INL/EXT-18-45110 (Marshall 2018), and the BWXT NOG batch data was extracted from the spreadsheet used for that report (Marshall 2019).

As mentioned in Section 4.2, there is not sufficient information currently available for a detailed comparison of the DUF results. The reported results for the BWXT NOG analysis of DUF in the 40% PF compacts of  $\leq$ 7.26E-5 at 95% confidence (Marshall 2018) were higher than those determined from the ORNL analyses (Table 5-3).

## 5.3 BL ANALYSIS FOR EXPOSED URANIUM IN 40% PF COMPACTS

To explore whether the LBL procedure may have introduced significant particle damage that could artificially elevate defect fractions in the 40% PF compact analysis, 80 compacts were analyzed using an optional burn-leach procedure according to DAM-26. With this optional procedure, electrolytic deconsolidation and preburn leaching were completely skipped. Compact clutches were loaded into quartz flasks and heated to 750°C in air to burn off all exposed carbon. The resultant burned-back particles and residual ash were subjected to the standard postburn leach process. This isolated the analysis from any possible particle damage during deconsolidation or preburn leaching. It was conjectured in ORNL/TM-2018/744 that particle damage may have occurred during preburn leaching due to the challenge of working with the digested AGR-5/6/7 matrix, which produced a very viscous suspension in the acid that complicated separation of the coated particles from the leach acid and increased the centrifuge time required to extract a suitable liquid sample of the acid for mass spectrometry. By skipping the deconsolidation and preburn leaching, this difficulty was eliminated because all matrix graphite was removed by oxidization during the burn. Decanting acid from a vessel containing burned-back particles was relatively easy, and the likelihood of damaging particles was minimal. Appendix E contains copies of the postburn leach DRFs for each analyzed clutch, as well as the IRFs that summarize the data.

Table 5-6 shows the amount of uranium (in kernel equivalents) detected in each solution collected using the burn-leach procedure on 40 of the 40% PF compacts, which were analyzed in clutches of five compacts each, and in groups of four clutches at a time. The decreasing amount of uranium as leaching progressed through the first and second 24-hour leaches and the water rinse showed that leaching was effective and complete. Water rinse data were not included in the total because they were  $\leq 10\%$  of the second leach or  $\leq 1\%$  of the average uranium per kernel. Some of the values for total leached uranium reported in Table 5-6 deviate significantly from whole numbers. This could be related to the DUF outliers observed in the LBL analysis discussed in Sections 4.1 and 5.1.

Series	Clutch	Particles <sup>a</sup>	First leach	Second leach	H <sub>2</sub> O rinse <sup>b</sup>	Total	DUF <sub>Total</sub> <sup>c</sup>
	14154D-1	~17,395	3.32E+0	1.47E-2	8.08E-5	3.33	
	14154D-2	~17,395	1.19E-1	9.18E-4	2.88E-5	0.12	6.88E-6
	14154D-3	~17,395	2.19E+0	1.16E-2	8.48E-5	2.21	
1	14154D-4	~17,395	2.22E+0	1.28E-2	6.57E-5	2.24	
1	14154D-5	~17,395	2.74E+0	1.14E-2	1.19E-4	2.75	
	14154D-6	~17,395	3.28E+0	1.53E-2	1.74E-4	3.29	
	14154D-7	~17,395	6.94E-2	6.36E-4	1.14E-5	0.07	4.03E-6
	14154D-8	~17,395	1.12E+0	6.63E-3	4.49E-5	1.13	
2	14155D-1	~17,100	2.20E+0	7.54E-3	7.72E-5	2.21	
	14155D-2	~17,100	1.46E+0	6.19E-3	6.50E-5	1.47	
	14155D-3	~17,100	1.25E+0	5.58E-3	7.56E-5	1.26	
	14155D-4	~17,100	2.13E+0	9.92E-3	6.90E-5	2.14	
	14155D-5	~17,100	1.01E+0	5.23E-3	2.95E-5	1.01	
	14155D-6	~17,100	1.53E+0	7.84E-3	3.54E-5	1.54 <sup>d</sup>	
	14155D-7	~17,100	2.89E+0	1.48E-2	7.61E-5	2.90	
	14155D-8	~17,100	8.32E-2	7.94E-4	2.64E-5	0.08	4.91E-6

Table 5-6. Uranium leached from 40% PF compacts using burn-leach procedure

*Note:* Uranium content in each leach is reported in kernel equivalents.

<sup>*a*</sup> The number of particles per clutch was estimated from a determination of the average number of particles per compact, namely 3479 for Batch 14154 and 3420 for Batch 14155 (Marshall 2019).

<sup>b</sup> Gray shading indicates that the water rinse was not added to the total.

<sup>c</sup> Individual DUF<sub>Total</sub> is the fraction of exposed uranium in each clutch with <0.5 exposed kernel equivalents.

<sup>d</sup> Clutch 14155D-6 was counted as having one defect because the total leached uranium was <1.5 after subtraction of mean DUF according to specified procedure described in Section 2.

Because detection of the dispersed uranium during BL analysis is not split between a preburn and postburn leach series,  $DUF_{Total}$  is more directly measured but is only available for clutches which do not have an exposed-kernel defect or a SiC defect. As expected from the LBL presented in Table 5-1 and Table 5-2, there were only a few clutches that met the criteria of <0.5 kernel equivalents of total leached uranium (Table 5-6). The 95% confidence limit for the  $DUF_{Total}$  was calculated using Eq. (2.1) because a value for the standard deviation was available. Table 5-7 summarizes the dispersed uranium analysis results. The measured mean  $DUF_{Total}$  for the BL analysis (5.27E-6) compares well with the <10×MAD filtered value obtained with LBL analysis of the other 40% PF compacts (4.95E-6), as well as the <10×MAD filtered value for the 25% PF compacts (5.02E-5) and the OC TRISO  $DUF_{Total}$  of 5.28E-6.

Table 5-7. Dispersed	uranium in	40%	PF	compacts
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	LBL DUF <sub>Total</sub>	LBL <10×MAD filtered DUF <sub>Total</sub>	BL DUF <sub>Total</sub>
Measured mean	7.00E-6	4.95E-6	5.27E-6
Standard deviation			1.46E-6
95% confidence limit	$\leq 1.04\text{E-5}$	≤ 5.86E-6	$\leq 7.74\text{E-}6$

While the BL procedure does not distinguish between exposed-kernel (preburn-leach) defects and SiC (postburn-leach) defects, the number of exposed kernels detected in the BL solutions should equal the sum of these two types of defects. Table 5-8 compares the combined EKF+SDF determined by LBL versus BL of the 40% PF compacts. Results are provided for compacting runs 14154 and 14155 separately and as a pooled data set. The LBL was performed on Batches 14154C and 14155C, while the BL was performed on Batches 14154D and 14155D, where different letter suffixes indicate different furnace runs for carbonization and heat treatment.

Batch		LBL EKF+SDF	BL EKF+SDF
	Sampled batches	14154C 14155C	14154D 14155D
	Number of defects	22	14
14154	Number of particles	~208,740	~139,160
14134	Measured defect fraction	1.05E-4	1.01E-4
	95% confidence limit	≤1.51E-4	≤1.58E-4
	Number of defects	19	11
14155	Number of particles	~136,800	~136,800
14133	Measured defect fraction	1.39E-4	8.04E-5
	95% confidence limit	$\leq$ 2.04E-4	≤1.34E-4
	Number of defects	41	25
Pooled	Number of particles	~345,540	~275,960
Pooled	Measured defect fraction	1.19E-4	9.06E-5
	95% confidence limit	$\leq 1.54\text{E-4}$	≤ 1.27E-4

Table 5-8. Combined defect fractions in 40% PF compacts

The measured EKF+SDF values from the LBL analysis of Batch 14154C and the BL analysis of Batch 14154D were almost identical. The method described in Appendix A was used to compare the true EKF+SDF in the Batch 14154C population sampled with LBL analysis to that in the Batch 14154D population sampled with BL analysis based on the data in Table 5-8. This resulted in odds of 0.28:1 that Batch 14154C was >3E-5 higher than Batch 14154D, 0.22:1 that Batch 14154D was >3E-5 higher than Batch 14154C, and 1.5:1 that the two sampled population were within 3.5E-5. This supports a conclusion that there was not significant damage to the particles during LBL of compacts from Batch 14154C. However, the measured EKF+SDF for Batch 14155C analyzed with LBL was higher than the measured BL value for Batch 14155D, and the Wilson score comparison yields odds of 3.1:1 that the Batch 14155C population sampled with LBL analysis had an EKF+SDF that was >3E-5 higher than the Batch 14155D population sampled with BL analysis. This suggests particles may have been damaged in the LBL of compacts from Batch 14155C unless the defect population in Batch 14155C was significantly higher than in Batch 14155D, which is unlikely given that any possible variation between furnace runs is not expected to have significantly impacted the defect fractions. It is possible that this result is biased by the limited sample sizes. Comparison of the pooled results indicates odds of 0.86:1 that the true EKF+SDF in the pooled population sampled with LBL analysis was >3E-5 higher than the true EKF+SDF in the pooled population sampled with BL analysis, and odds are 1.1:1 that the two populations had an EKF+SDF within the 3E-5 margin.

## 5.4 X-RAY ANALYSIS OF DEFECTIVE PARTICLES IN 40% PF COMPACTS

After LBL, particles from three 40% PF compact clutches were examined by x-ray radiography to identify any leached particles having a SiC shell that was still in one piece. Clutch 14155C-4 exhibited 2.08 kernel equivalents in the preburn leach and 0.04 kernel equivalents in the postburn leach. No leached particles with intact SiC shells were identified from the radiography survey, but there was one SiC hemispherical shell and five SiC fragments observed that looked to be consistent with the debris from two particles. Clutch 14155C-4 exhibited 0.05 kernel equivalents in the preburn leach and 2.85 kernel equivalents in the postburn leach. No leached particles with intact SiC shells were identified from the radiography survey, and only one small SiC fragment was found. Clutch 14155C-1 exhibited 4.46 kernel equivalents in the preburn leach and 1.13 kernel equivalents in the postburn leach. Six SiC fragments were observed that looked to be consistent with the debris from two particles. Two intact SiC shells were identified from the radiography survey, and only one small were found and further examined with XCT.

Figure 5-1 shows x-ray tomograms of the two intact SiC shells found after LBL of Clutch 14155C-1. One shell had a crack in the SiC traversing about one-quarter of the circumference. The other shell had a hole indicative of localized SiC degradation similar to that observed in the 25% compact particle shown in Figure 4-1. The SiC crack may have been introduced during compacting. The hole was probably the result of reaction with a metallic inclusion during the compact heat treatment. Figure 5-2 shows SiC degradation that was observed during defective IPyC analysis of particles from the AGR-5/6/7 TRISO fuel composite (Helmreich et al. 2017a, Helmreich et al. 2017b). For the defective IPyC analysis, the as-fabricated TRISO particles were heat treated for one hour at 1,800°C to simulate the heat treatment that is performed during compact fabrication. Similar degradation of SiC was observed after 1,800°C safety testing of AGR-2 Compact 2-3-2 (Hunn et al. 2018b) due to reaction with molybdenum, where the molybdenum presumably came from the hot-sampling cup in the BWXT NOG coater.

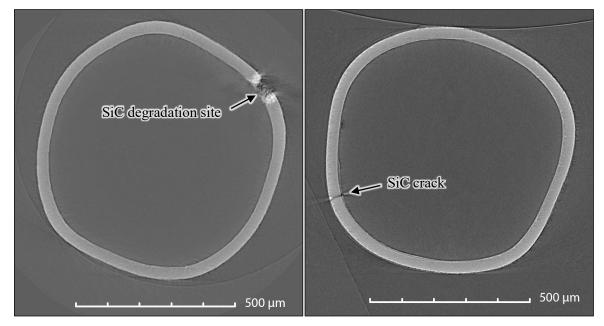


Figure 5-1. X-ray tomograms of SiC shells from two particle from Clutch 14155C-1.

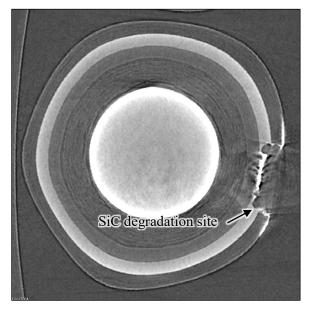


Figure 5-2. X-ray tomogram of particle from AGR-5/6/7 TRISO composite with degraded SiC (Helmreich et al. 2017b, Figure 4-7).

Two other particles were identified during the radiography survey of the particles from Clutch 14155C-1. These particles still had kernels and internal pyrocarbon but were examined by XCT to look for evidence of partial leaching. Figure 5-3 shows tomograms of these particles. There were no indications of defects in the SiC or signs of acid leaching. One particle had a large soot inclusion that compromised the IPyC coating and probably allowed HCl penetration during SiC coating that resulted in uranium dispersion during heat treatment. The other particle had an abnormal or missing IPyC layer that similarly resulted in uranium dispersion.

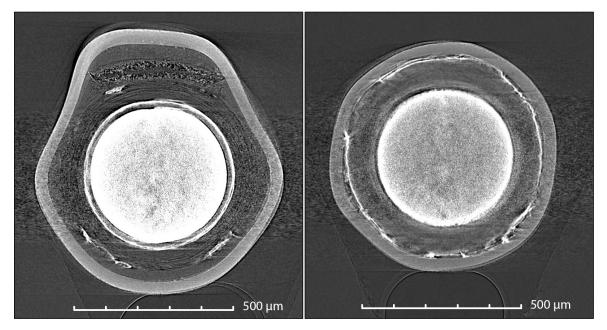


Figure 5-3. X-ray tomograms of two particle from Clutch 14155C-1 with defective IPyC but no indication of partial leaching.

## 6. CONCLUSION

Confirmatory LBL was completed on 100 40% PF compacts and 60 25% PF compacts taken from compact batches used for the AGR-5/6/7 irradiation test. Data from this confirmatory analysis were compared to data from the LBL analysis performed at BWXT NOG. Additional LBL was performed on OC TRISO taken from the composite used to form the 40% PF compacts to explore whether overcoating or compacting was responsible for the elevated EKF observed in the 40% PF compacts. To investigate the effect of the difficulties experienced when working with the digested matrix slurry during preburn leaching, BL analysis was performed on 80 40% PF compacts to acquire data without having to work with leachates containing digested matrix.

The LBL analysis of the OC TRISO showed that overcoating did not introduce significant damage to the TRISO particles. Statistical comparison of the EKF and SDF in the OC TRISO samples with the EKF and SDF in the TRISO samples showed similar defect fractions in the sampled populations. The OC TRISO LBL analysis also provided evidence that the DUF was a combination of uniformly distributed uranium contamination combined with high concentrations of uranium in some of the compacts. Although this localized contamination complicated the analysis, consistency was observed between the DUF in the OC TRISO and the DUF in the two types of compacts. Comparison to the TRISO particles was limited by the available data, but it is probable that uranium contamination in the TRISO particles was the source of all observed DUF.

The ORNL and BWXT NOG results for EKF were sufficiently consistent to allow them to be pooled for statistical analysis of the limit on the EKF in the 25% PF and 40% PF pooled samples. While there was some variation in the observed defect fractions for the analyzed samples of TRISO, OC TRISO, and 25% PF compacts, there were no strong indications for significant statistical differences after accounting for the sample sizes. The TRISO, OC TRISO, and 25% PF compacts were all found to have acceptable values for EKF compared to the AGR-5/6/7 specified limit of EKF  $\leq$  5E-5 at 95% confidence. However, the EKF for the 40% PF compacts clearly indicated that TRISO particles were damaged during compacting, and the 40% PF compacts did not satisfy the specification limit on EKF.

The ORNL confirmatory analysis indicated a high probability that there was a significant positive bias in the BWXT NOG results for SDF in the 25% PF compact Batch 14156C and a smaller bias in the 25% PF compact Batch 14157C. The BWXT NOG SDF data suggests that the 25% PF compacting process introduced damage to the SiC that elevated the SDF above the fraction observed in the TRISO particles but not to the entire TRISO coating, since the EKF values were not elevated. This is unlikely. The ORNL SDF data indicates that no significant damage was introduced in the SiC layer during compacting of the 25% PF compacts. Pooling of the results for the analysis of the SDF in the 25% PF compacts is not recommended. For the 40% PF compacts, there was a slight discrepancy between the BWXT NOG SDF data and the confirmatory analysis performed by ORNL, with the BWXT NOG SDF data being slightly higher. However, for the available data, pooling the 40% PF compact SDF data from BWXT NOG and ORNL did not adversely impact the upper limit on the 95% confidence interval.

Comparison between LBL and BL results for the 40% PF compacts was somewhat inconclusive. When data were grouped into two sets that corresponded with different compacting runs, one set (compacting run 14154) gave no indication that particle damage may have occurred during deconsolidation and preburn leaching. However, the other set (compacting run 14155) showed some indication that the combined EKF+SDF measured by LBL was higher than that measured by BL. This difference was not as statistically significant when the data from the two compacting runs were pooled. It is possible that the source of the EKF defects in the 40% PF compacts may be affecting the statistical calculations in this comparison. The assumption that each TRISO particle is an independent sample is probably flawed if the damage is occurring during compacting and varying from compact to compact. Under those conditions, the statistics may need to be adjusted to account for the number of compacts in the sample.

### 7. **REFERENCES**

- Brown, L. D. and T. T. Cai. 2001. "Interval Estimation for a Binomial Proportion." *Statist. Sci. 16*, 101–133.
- Cai, T. T. 2005. "One-sided Confidence Intervals in Discrete Distributions." J. Statist. Plan. and Inf. 131, 63-88.
- Einerson, J. J. 2005. *Statistical Methods Handbook for Advanced Gas Reactor Fuel Materials*. INL/EXT-05-00349, Revision 0. Idaho Falls, Idaho: Idaho National Laboratory.
- Helmreich, G. W., J. D. Hunn, D. J. Skitt, J. A. Dyer, and A. T. Schumacher. 2017a. Acceptance Test Data for the AGR-5/6/7 Irradiation Test Fuel Composite—Defective IPyC and Pyrocarbon Anisotropy. ORNL/TM-2017/037. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Helmreich, G. W., J. D. Hunn, D. J. Skitt, J. A. Dyer, and A. T. Schumacher. 2017b. X-ray Analysis of Defects and Anomalies in AGR-5/6/7 TRISO Particles. ORNL/TM-2017/038. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Hunn, J. D. 2017. *Data Acquisition Method: Estimation of Average Particle Weight*. AGR-CHAR-DAM-22, Revision 23. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Hunn, J. D. and F. C. Montgomery. 2018a. *Data Acquisition Method: Compact Leach-Burn-Leach*. AGR-CHAR-DAM-26, Revision 3. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Hunn, J. D. and F. C. Montgomery. 2018b. *Data Acquisition Method: Particle Leach-Burn-Leach*. AGR-CHAR-DAM-21, Revision 2. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Hunn, J. D., F. C. Montgomery, J. A. Dyer, T. J. Keever, and G. W. Helmreich. 2018a. Confirmatory LBL Analysis of AGR-5/6/7 Compacts and Overcoated Particles. ORNL/TM-2018/774. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Hunn, J. D., R. N. Morris, F. C. Montgomery, T. J. Gerczak, D. J. Skitt, G. W. Helmreich, B. D. Eckhart, and Z. M. Burns. 2018b. Safety-Testing and Post-Safety-Test Examination of AGR-2 UCO Compact 2-3-2 and AGR-2 UO<sub>2</sub> Compact 3-4-1. ORNL/TM-2018/956, Revision 0. Oak Ridge, TN: Oak Ridge National Laboratory.
- Newcombe, R. G. 1998. "Two-sided Confidence Intervals for the Single Proportion: Comparison of Seven Methods." *Statist. Med.* 17, 857–872.
- Lybeck, N. J., and J. J. Einerson. 2016. *Statistical Sampling Plan for AGR-5/6/7 Fuel Materials*. PLN-4352, Revision 5. Idaho Falls, Idaho: Idaho National Laboratory.
- Marshall, D. W. 2017. *AGR-5/6/7 Fuel Specification*. SPC-1352, Revision 8. Idaho Falls, Idaho: Idaho National Laboratory.
- Marshall, D. W. 2018. *Confirmatory Defect Analyses of AGR-5/6/7 Fuel*. INL/EXT-18-45110, Revision 0. Idaho Falls, Idaho: Idaho National Laboratory.
- Marshall, D. W. 2019. "Fuel Summary." Personal communication by e-mail on April 16, 2019 with an attached spreadsheet that was used for INL/EXT-18-45110, Revision 0 (Marshall 2018).
- Wallis, S. A. 2013. "Binomial Confidence Intervals and Contingency Tests: Mathematical Fundamentals and the Evaluation of Alternate Methods." *J. Quant. Ling.* 20, 178–208.
- Wilson, E. B. 1927. "Probable Inference, the Law of Succession, and Statistical Inference." J. Am. Statist. Assoc. 22, 209–212.

APPENDIX A. COMPARISON OF EKF AND SDF MEASUREMENTS

### APPENDIX A. COMPARISON OF EKF AND SDF MEASUREMENTS

This Appendix explains the method used in this report to compare the results of the LBL analyses performed at BWXT NOG and ORNL in a way that accounts for the variations inherent in the statistical sampling. The basic approach involves estimating the probability that the measured defect fractions in two independent samples indicate significantly different values for the true defect fraction. For samples extracted from different populations, this can provide a measure of the likelihood that the sampled populations have significantly different true defect fractions. For samples taken from the same or similar populations, this provides an indication of whether one of the two measurements may have been flawed or the result of an unrepresentative sample.

As discussed in the Statistical Sampling Plan for AGR-5/6/7 Fuel Materials (Lybeck and Einerson 2016) and the AGR-5/6/7 Fuel Specification (Marshal 2017), exposed kernel defects and SiC defects are treated as TRISO particle attribute properties, and statistical sampling is used for acceptance testing. While the hyperbolic distribution more accurately describes sampling without replacement, which is the case for destructive analyses like LBL, the binomial distribution is a sufficient approximation if the total number of particles in the sampled population is much greater than the sampled number (Einerson 2005). The AGR program has adopted the cumulative distribution function of the binomial distribution as the primary statistical method to determine with 95% confidence if a population of particles has an EKF or SDF below a specified upper limit.

The probability that the number of defects observed in two independent samples indicate that a significant difference in the true defect fraction may be considered by constructing a stepwise approximation for each sample of the cumulative probability that the true defect fraction of the sampled population is less than a specific value over the range of all possible true defect fractions (i.e., 0-1). This is done by calculating a series of one-sided confidence intervals based on the observation of k defective particles in an analyzed sample of n particles over a stepwise series of confidence values from 0-100%, where each confidence interval represents the cumulative probability indicated by the associated sample that the true defect fraction in the sampled population is less than the interval's upper limit. Several methods for calculating binomial distribution confidence intervals from a single sample have been developed. The Wilson score interval with continuity correction has been compared to and recommended over other commonly used intervals, particularly for lots with very low defect fractions (Wilson 1927, Wallis 2013, Newcombe 1998, Brown and Cai 2001) and will be used herein. Cai (2005) has identified weaknesses when the score interval is applied to the approximation of one-sided intervals vs. two-sided intervals (as discussed in the other references), so it may be of value to consider other approaches to confirm or refine the method used for the comparisons in this report. However, the weaknesses identified by Cai are not likely to impact the comparisons made herein. The one-sided upper bound for the Wilson score interval with continuity correction is defined by Equation A-1, where p = k/n is the measured defect fraction in the sample, and  $z_{\alpha}$  is the value of the cumulative distribution function of the normal distribution for a given cumulative probability that the true defect fraction in the sampled population is less than  $w^+$ . The critical value  $z_{\alpha}$  is the same value used to calculate the one-sided tolerance factor applied by the AGR program to tolerance interval acceptance testing for normal distributions of variable properties (Einerson 2005):

$$w^{+} \equiv \min\left(0, \frac{2np + z_{\alpha}^{2} + z_{\alpha}\sqrt{4np(1-p) + z_{\alpha}^{2} - n^{-1} - 4p + 2} + 1}{2(n + z_{\alpha}^{2})}\right).$$
 (A-1)

For each sample selected for comparison, Microsoft Excel was used to construct an array for  $w^+$  over a stepwise series of confidence values from 0–100%. A 10,000-element array of confidence values from 0.01–100% with a constant stepsize of 0.01% was generated, and  $z_{\alpha}$  was calculated for each element

using the NORM.S.INV function. For the confidence value of 100%, 1E9 was used to represent  $z_{\alpha} = \infty$ . The measured defect fraction for the sample, p = k/n, was used to calculate  $w^+$  for each value in the  $z_{\alpha}$  array. The resultant  $w^+$  array was a stepwise approximation based on the measured sample of the cumulative probability that the true defect fraction of the sampled population was less than  $w^+$  over the range of all possible true defect fractions. The stepsize of the  $w^+$  array was not constant, but nevertheless, it covered the full range of possible values from 0–1.

To compare the LBL analysis results of two samples, the  $w^+$  arrays for the two samples were used to estimate the probability that the true defect fraction indicated by Sample 2 was greater than that indicated by Sample 1 by more than a selected margin of  $\Delta$ . The selected margin was typically chosen to be equal to 20% of that specified in the AGR-5/6/7 Fuel Specification as the upper limit at 95% confidence, i.e., EKF  $\leq$  5E-5 or SDF  $\leq$  1E-4. A margin less than this can be considered to result in an insignificant difference when the results of the two analyses are applied to determine if the measured population satisfies the specified limit.

The probability that the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 1 by more than a specified margin of  $\Delta$  is given by Eq. (A-2). The term  $C(w_{1,i}^+)$  is the confidence (probability) based on Sample 1 that the true defect fraction in the population is less than the *i*<sup>th</sup> element in the Sample 1  $w^+$  array. The difference between  $C(w_{1,i}^+)$  and the probability associated with the next lower element in the Sample 1  $w^+$  array,  $C(w_{1,i-1}^+)$  is the probability based on Sample 1 that the true defect fraction in the population is between  $w_{1,i-1}^+$ . For the summation indices i = 1 to N, where N is the number of elements in the Sample 1  $w^+$  array, the set of multiplicands  $[C(w_{1,i}^+) - C(w_{1,i-1}^+)]$  in the summed product is a stepwise approximation based on Sample 1 of the probability based on Sample 2 that the true defect fraction is less than the lowest element in the Sample 2 that the true defect fraction is less than the lowest element in the Sample 2 that the true defect fraction is less than the lowest element in the Sample 2 that the true defect fraction is less than the lowest element in the Sample 2 that the true defect fraction is less than the lowest element in the Sample 2  $w^+$  array that is greater than the *i*<sup>th</sup> element of  $C(w_{2,m}^+)$ , or the probability based on Sample 2 that the true defect fraction is greater or equal to  $w_{2,m}^+$ .

$$Probability(2 > 1 + \Delta) = \sum_{i=1}^{N} \{ [C(w_{1,i}^{+}) - C(w_{1,i-1}^{+})] \times [1 - C(w_{2,m}^{+})] \},$$
(A-2)  
where  $w_{2,m}^{+} = \min[w_{2,j}^{+} > (w_{1,i}^{+} + \Delta)]$  for  $j = 1$  to  $N$ .

Equation (A-3) converts *Probability*  $(2 > 1 + \Delta)$  to a measure of the odds, which provides a more intuitive perception of certainty. A probability of 50% in Eq. (A-2) corresponds to odds of 1:1 that the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 1 by more than the specified margin of  $\Delta$ . In this case, there are equal odds for the complement condition that Sample 2 is not greater than the true defect fraction indicated by Sample 1 by more than  $\Delta$ . Therefore, there is no certainty that one condition is more likely than the other. In contrast, a probability of 100% in Eq. (A-2) corresponds to infinite certainty that the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 2 is greater than the true defect fraction indicated by Sample 1 by more than the specified margin of  $\Delta$ .

$$odds(2 > 1 + \Delta) = \frac{Probability(2 > 1 + \Delta)}{1 - Probability(2 > 1 + \Delta)}$$
(A-3)

APPENDIX B. REPORT FORMS FOR OVERCOATED PARTICLE LBL

# Inspection Report Form IRF-C: Summary of Pre-burn Leach Uranium

Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction

Particle clutch ID:	11034-01	11034-02	11034-03	11034-04	Total
Number of particles:	17627	18614	17972	17826	72039
Equivalent number of leached kernels:	9.0E-02	9.6E-02	9.2E-02	9.7E-02	3.7E-01

## **Comments**

Data has been verified.

Fred C. Montgomery Operator

2-8-2018 Date

B-3

Inspection Report Form IRF-C: Summary of Pre-burn Leach Uranium

Procedure:	AGR-CHAR-DAM-21 Rev. 2								
Operator:	Montgomery								
Particle lot ID:	BWXT J52R-16-11035								
Particle lot description:	Particle lot description: AGR-5/6/7 overcoated particles, 40% packing fraction								
Particle sample ID:	11035-01	11035-02	11035-03	11035-04	Total				

runcie sumple ib.	11055 01	11033-02	11033-03	11033-04	Tutai
Number of particles:	17409	17368	17369	17378	69524
Equivalent number of leached kernels:	8.8E-02	8.6E-02	8.6E-02	8.5E-02	3.5E-01

		and the second second		_

Fred C. Montgomery

4-18-2019 Date

Inspection Report Form IRF-C: Summary of Pre-burn Leach Uranium							
Procedure:	Procedure: AGR-CHAR-DAM-21 Rev. 2						
Operator:	Montgomery						
Particle lot ID:	BWXT J52R-16-11035						
Particle lot description:	AGR-5/6/7 ov	ercoated particl	es, 40% packir	ng fraction			
Particle sample ID:	11035-05	11035-06	11035-07	11035-08	Total		
Number of particles:	17389	17364	17395	17371	69519		
Equivalent number of leached kernels:	8.9E-02	8.4E-02	9.2E-02	9.0E-02	3.6E-01		

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Fred C, Montgrmery

≺]-(8-2019 <sub>Date</sub>

## Inspection Report Form IRF-D: Summary of Post-Burn Leach Uranium

Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction

Particle clutch ID:	11034-01	11034-02	11034-03	11034-04	Total
Number of particles:	17627	18614	17972	17826	72039
Equivalent number of leached kernels:	3.7E-03	2.9E-03	3.6E-03	1.2E+00	1.2E+00

# **Comments**

Data has been verified.

Fied C. Montgomery Operator

2-8-2018 Date

B-6

Inspection Report Form IRF-D: Summary of Post-Burn Leach Uranium

Procedure	AGR-CHAR-D	AM-21 Rev. 2						
Operator	Montgomery							
Particle lot ID	BWXT J52R-16-11035							
Particle lot description: AGR-5/6/7 overcoated particles, 40% packing fraction								
Particle sample ID	11035-01	11035-02	11035-03	11035-04	Total			

Particle sample ID:	11035-01	11035-02	11035-03	11035-04	Total
Number of particles:	17409	17368	17369	17378	69524
Equivalent number of leached kernels:	2.1E-03	2.6E-03	2.3E-03	2.4E-03	9.4E-03

		S CRACK STREET	
1.			
The survey of the			

Fred C. Montgomery

<u>1-18-2019</u> Date

Inspection Report Form IRF-D: Summary of Post-Burn Leach Uranium						
Procedure: AGR-CHAR-DAM-21 Rev. 2						
Operator: Montgomery						
Particle lot ID: BWXT J52R-16-11035						
Particle lot description: AGR-5/6/7 overcoated particles, 40% packing fraction						
Particle sample ID:	11035-05	11035-06	11035-07	11035-08	Total	
Number of particles:	17389	17364	17395	17371	69519	
Equivalent number of leached kernels:	1.8E-03	3.7E-03	1.0E+00	8.2E-03	1.0E+00	

Fied c. Montgomery Operator

4-18-2019 Date

Data Report For	m DRF-21A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction
Particle clutch ID:	11034-01
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1 DRF21R2.xls

Average weight per particle, mean value (g):	2.046E-03
Average weight per particle, uncertainty in mean (g):	1.27E-05
Weight of particle clutch (g):	
Approximate number of particles in clutch:	17627
Uncertainty in number of particles:	109
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L17091901	L17092101	States & States	W17092106	La transmission and the state of the
	Total volume of leach solution (ml):	94.0	103.5	and the second	40.0	
and a		and the second second	A STATE OF A		and the second second	
	Radiochemical laboratory analysis number:	17665-001	17665-006	1000	17665-011	
1.00	Measured uranium concentration (µg/ml):	3.32E-01	3.99E-02	The second second	6.26E-03	
1.45	Uncertainty in uranium concentration (µg/ml):	3.32E-02	3.99E-03		6.26E-04	
	Weight uranium leached (g):	3.12E-05	4.13E-06	3.53E-05	2.50E-07	N
	Uncertainty in weight uranium leached (g):	3.13E-06	4.14E-07	3.16E-06	2.54E-08	
_	Equivalent number of leached kernels:	7.92E-02	1.05E-02	8.97E-02	6.36E-04	
-	Uncertainty in equivalent number of leached kernels:	7.98E-03	1.06E-03	8.06E-03	6.47E-05	
States and	Measured concentration of impurity in sample (ug/ml):			CONC. CONC. ON CO.		
1.1	Uncorrected weight of impurity in sample (µg/mi):		the second se	Fe		and the second second second second
Fe	Weight of impurity in blank (µg):	and the second		The second second second		
1.0	Minimum corrected weight of impurity in sample (µg):			and the second sec		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			01		
Cr	Weight of impurity in blank (µg):		100 C	THE OWNER ADDRESS		A DATE OF THE OWNER OF THE OWNER
	Minimum corrected weight of impurity in sample (µg):		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):		and the second second			
Mn	Weight of impurity in blank (µg):	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		The second s		
	Minimum corrected weight of impurity in sample (µg):	STREET, PLANE				
L	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):					
É1 - 5	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		the standard the state
Ni	Uncorrected weight of impurity in sample (µg):	and the second				
INI	Weight of impurity in blank (µg):			hard and and the second		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			6-		
	Uncorrected weight of impurity in sample (µg):			Ca		Construction of the second states and
Ca	Weight of impurity in blank (µg):			Contract of the local division of the		Contraction of the local division
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second second	The second second	STORE STORES		
	Measured concentration of impurity in sample (µg/ml):			Al		
	Uncorrected weight of impurity in sample (µg):			7.0		
AI	Weight of impurity in blank (µg):		OTHER DESIGNATION OF	12 2 3 10 miles 121		The second of the second se
	Minimum corrected weight of impurity in sample (µg):					
74	Maximum corrected weight of impurity in sample (µg):	15 C 92 20	The second	CONTRACTOR DECISION		
	Measured concentration of impurity in sample (µg/ml):		And the second second	Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			A STATE OF		the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	12-11-3-1				
	Measured concentration of impurity in sample (µg/ml):			v		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):	2019 AND 1943 E		Contract of the state of the		
	Minimum corrected weight of impurity in sample (µg):	and the second second				
	Maximum corrected weight of impurity in sample (µg):					and the second second second second

Fued C. Montgomery 2-8-2018 Operator Date

Data Report For	m DRF-21A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-21 Rev. 2
	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction
Particle clutch ID:	11034-02
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1_DRF21R2.xls

Average weight per particle, mean value (g):	2.05E-03
Average weight per particle, uncertainty in mean (g):	1.27E-05
Weight of particle clutch (g):	38.0877
Approximate number of particles in clutch:	18614
Uncertainty in number of particles:	115
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
-	Pre-burn leach solution ID:	L17091902	L17092102	Total	W17092107	
	Total volume of leach solution (ml):	83.0	105.0	and the second second	40.0	
-	Total volume of leach solution (ini).	83.0	105.0	Part and a state of	40.0	
	Radiochemical laboratory analysis number:	17665-002	17665-007	A CALEN	17665-012	
-	Measured uranium concentration (µg/ml):	3.81E-01	6.05E-02	「二十二日間でする	9.13E-03	
	Uncertainty in uranium concentration (µg/ml):	3.81E-02	6.05E-03	and the second second	9.13E-04	
	Weight uranium leached (g):	3.16E-05	6.35E-06	3.80E-05	3.65E-07	N
	Uncertainty in weight uranium leached (g):	3.17E-06	6.36E-07	3.24E-06	3.70E-08	the state of the second st
	Equivalent number of leached kernels:	8.03E-02	1.61E-02	9.64E-02	9.27E-04	
	Uncertainty in equivalent number of leached kernels:	8.09E-03	1.62E-03	8.27E-03	9.44E-05	
Contraction of the		CIUDE CO	INCLE OF	UIL/E UU	STITE 05	
	Measured concentration of impurity in sample (ug/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):			The second s		
Fe	Weight of impurity in blank (µg):			CAR COMPANY CONT		and the second second second second
	Minimum corrected weight of impurity in sample (ug):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (ug):				The second second	
Cr	Weight of impurity in blank (µg):		No. of the local division of the	The state of the state of the		and the second second second second
	Minimum corrected weight of impurity in sample (µg):			the second second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			Ber - 5768-4		and the second second second second
and the second sec	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	State of the second second				
	Measured concentration of impurity in sample (µg/ml):	THE REPORT		Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):		D. D. See States			A STATE OF A
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	1. S.				
1.00	Measured concentration of impurity in sample (µg/ml):			Ni	100 B	
1.004	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			THE REAL PROPERTY AND		and the second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
r = 1	Measured concentration of impurity in sample (µg/ml):			Ca		Contraction of the second second second
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			The second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			and the second second		
	Measured concentration of impurity in sample (µg/ml):			AI		and the second second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	The second second second	CONTRACTOR OF TAXABLE			
	Measured concentration of impurity in sample (µg/ml):		and the second second	Ti		and the second second
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			A DELLAR DELLARD	1000	
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
- 5	Measured concentration of impurity in sample (µg/ml):			V		and the second s
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the second se

Fiel C. Montgomery 2-8-2018 Operator Date

Data Report For	m DRF-21A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-21 Rev. 2
	Montgomery/Dyer/Helmreich
	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction
Particle clutch ID:	11034-03
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1_DRF21R2.xls

Average weight per particle, mean value (g):	2.05E-03
Average weight per particle, uncertainty in mean (g):	1.27E-05
Weight of particle clutch (g):	36.7740
Approximate number of particles in clutch:	17972
Uncertainty in number of particles:	111
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L17091903	L17092103	Service and the service of the	W17092108	
	Total volume of leach solution (ml):	92.0	87.5	and the second second	40.0	
-	and the second	The state of the s	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Party and the second	
	Radiochemical laboratory analysis number:	17665-003	17665-008	Sate Line	17665-013	
. E.,	Measured uranium concentration (µg/ml):	3.45E-01	4.96E-02		7.14E-03	
	Uncertainty in uranium concentration (µg/ml):	3.45E-02	4.96E-03	The second second	7.14E-04	
	Weight uranium leached (g):	3.17E-05	4.34E-06	3.61E-05	2.86E-07	N
	Uncertainty in weight uranium leached (g):	3.18E-06	4.35E-07	3.21E-06	2.89E-08	
	Equivalent number of leached kernels:	8.06E-02	1.10E-02	9.16E-02	7.25E-04	
1.11	Uncertainty in equivalent number of leached kernels:	8.12E-03	1.11E-03	8.20E-03	7.38E-05	
C.C.		and the second se	and the second strength of the second strengt	And the second se		
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second second second second
Fe	Uncorrected weight of impurity in sample (µg):					
ге	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Cr		
1.00	Uncorrected weight of impurity in sample (µg/iii):			u		the second s
Cr	Weight of impurity in blank (µg):			and the owner of the owner of the		And in the second se
	Minimum corrected weight of impurity in sample (µg):			and the second second second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):	1949. 1997.				
Mn	Weight of impurity in blank (ug):		and the second second	Star I and the		and the second second second
	Minimum corrected weight of impurity in sample (µg):			A LONG TO STORY		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):		Contraction of the			
Co	Weight of impurity in blank (µg):		S. A. A. S.	the second s		
1.0	Minimum corrected weight of impurity in sample (µg):					and the second second
-	Maximum corrected weight of impurity in sample (µg):					a the local state of the local state of the
	Measured concentration of impurity in sample (µg/ml):			Ni		at at a set of the set
	Uncorrected weight of impurity in sample (µg):		A Long to the local state			
Ni	Weight of impurity in blank (µg):			and the second		and the second se
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					and the second states in the second
	Measured concentration of impurity in sample (µg/ml):			Ca		1. 2
Ca	Uncorrected weight of impurity in sample (µg):	A CONTRACTOR OF THE OWNER		and a division of the second strength of		
Ca	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					
1 - 1	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			AI		
1.1.2	Uncorrected weight of impurity in sample (µg/iii):			AI		and the second se
AI	Weight of impurity in blank (µg):			COLUMN AND ADDRESS		States of the second
~	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):	A CONTRACTOR	10 10 10 10 10 10 10 10 10 10 10 10 10 1			
Ti	Weight of impurity in blank (µg):			COMPANY DOWN		and the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		12			
	Measured concentration of impurity in sample (µg/ml):			V		
12.00	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		and the second second second second
	Minimum corrected weight of impurity in sample (µg):					The second s
100	Maximum corrected weight of impurity in sample (µg):					

Fred C. Mintgomery 2-8-2018 Operator Date

Data Report For	m DRF-21A: Pre-Bum Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction
Particle clutch ID:	11034-04
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1 DRF21R2.xls
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1_DRF21R2.xls

Average weight per particle, mean value (g):	2.05E-03
Average weight per particle, uncertainty in mean (g):	1.27E-05
Weight of particle clutch (g):	36.4763
Approximate number of particles in clutch:	17826
Uncertainty in number of particles:	110
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L17091904	L17092104		W17092109	
	Total volume of leach solution (ml):	91.0	100.0	The state of the second	40.0	
		The second second	- ALL KAR	and the second	E State State State	
	Radiochemical laboratory analysis number:	17665-004	17665-009	and the second second	17665-014	
	Measured uranium concentration (µg/ml):	3.41E-01	7.29E-02		9.63E-03	
	Uncertainty in uranium concentration (µg/ml):	3.41E-02	7.29E-03	the state of the	9.64E-04	
	Weight uranium leached (g):	3.10E-05	7.29E-06	3.83E-05	3.85E-07	N
100	Uncertainty in weight uranium leached (g):	3.11E-06	7.31E-07	3.20E-06	3.91E-08	
	Equivalent number of leached kernels:	7.88E-02	1.85E-02	9.73E-02	9.78E-04	
-	Uncertainty in equivalent number of leached kernels:	7.94E-03	1.86E-03	8.17E-03	9.96E-05	
	Manual and the fit with the fit of the	Log Strange Actor	The state of the state of the		and the second s	
1.1	Measured concentration of impurity in sample (µg/ml):			Fe		the second rest of the second se
Fe	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):	North Contraction		the second s		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			ч		and the second second second
Cr	Weight of impurity in blank (µg):			Contraction of the local division of the		The second states of the second states and the second states and the second states and the second states and the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	0.000		Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			P. Charles and a second second		P LEAST AND A DESCRIPTION OF THE PARTY OF TH
	Minimum corrected weight of impurity in sample (µg):					
5-1-	Maximum corrected weight of impurity in sample (µg):	Par Render		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Measured concentration of impurity in sample (µg/ml):		No. of the local division of the	Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			The state of the state of the		- Line And a state of the second
	Minimum corrected weight of impurity in sample (µg):		The second s			
	Maximum corrected weight of impurity in sample (µg):		122312121			
	Measured concentration of impurity in sample (µg/ml):			Ni	The second s	and the second second second second
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			2 A TRAT		and the second second second
	Minimum corrected weight of impurity in sample (µg):		12012			
	Maximum corrected weight of impurity in sample (µg):	The second	1-1/3 (S. 1 = 7			
	Measured concentration of impurity in sample (µg/ml):			Ca		
-	Uncorrected weight of impurity in sample (µg):		Sector Sector			
Ca	Weight of impurity in blank (µg):		Les and and all	and the states		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Al		the same water and the same state
AL	Weight of impurity in blank (µg):	the second s		Concerning in the local division of the		
AI	Minimum corrected weight of impurity in sample (µg):			and the second s		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/m):			Ti		
	Uncorrected weight of impurity in sample (µg/iii):			and the second s		the state of the second state of the second
Ti	Weight of impurity in blank (µg):			THE R. LEWIS CO., LANSING MICH.		the second s
	Minimum corrected weight of impurity in sample (µg):			A REPORT OF THE PARTY OF		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		
j	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (ug):			Contraction of the		the state of the state of the state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

Fued C. Montgomery 2-8-2018 Operator

Data Report For	m DRF-21A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction
Particle clutch ID:	Pre-burn leach blank
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1 DRF21R2.xls

	Average weight uranium per particle, mean value (g):		3.94E-04		
A١	verage weight uranium per particle, uncertainty in mean (g):	3.94E-06			
		First Leach	Second Leach	Total	
	Pre-burn leach solution ID:	L17091905	L17092105	Constant of the second s	
	Total volume of leach solution (ml):	97.3	97.0		
2.00		and the second			
6 e 1.	Radiochemical laboratory analysis number:	17665-005	17665-010		
	Measured uranium concentration (µg/ml):	2.02E-04	2.68E-04		
100	Uncertainty in uranium concentration (µg/ml):	2.02E-05	2.68E-05	Contraction of the second	
	Weight uranium leached (g):	1.97E-08	2.60E-08	4.57E-08	
1.1	Uncertainty in weight uranium leached (g):	1.97E-09	2.61E-09	3.27E-09	
	Equivalent number of leached kernels:	4.99E-05	6.60E-05	1.16E-04	
	Uncertainty in equivalent number of leached kernels:	5.02E-06	6.65E-06	8.37E-06	
100		- 2 C 1 2 C 1	I season and season	20 and and and	
Fe	Measured concentration (µg/ml):			Fe	
	Total weight of leached impurity (µg):				
Cr	Measured concentration (µg/ml):		And Address of the other	Cr	
	Total weight of leached impurity (μg):			30.02	
Mn	Measured concentration (µg/ml):	Statistics and services		Mn	
	Total weight of leached impurity (µg):	Section 1			
Co	Measured concentration (µg/ml):			Co	
	Total weight of leached impurity (µg):				
Ni	Measured concentration (µg/ml):			Ni	
	Total weight of leached impurity (µg):				
Ca	Measured concentration (µg/ml):	THE REAL PROPERTY OF		Ca	
	Total weight of leached impurity (µg):				
AI	Measured concentration (µg/ml):	· · · · · · · · · · · · · · · · · · ·		Al	
	Total weight of leached impurity (µg):				
Ti	Measured concentration (µg/ml):			Ti	
	Total weight of leached impurity (µg):			A STAR DE AS	
v	Measured concentration (µg/ml):			v	
	Total weight of leached impurity (µg):			THE REAL PROPERTY OF	

Water rinse	Include if >	10%	of 2nd leach
W17092110	HELE CONTRACTOR	1.967	and the second second
40.0			
and the state of the			
17665-015			
1.03E-04			
1.03E-05			
4.12E-09		N	
4.17E-10			
1.05E-05			
1.06E-06			
and the second			
	The state of the		a series
			1.3
1.1.1.1.1.1.1.1		Sec. St.	and the second
1912			1 - I manda al
	the second second	5743	- 20 186
		1	
	and append	No. of Concession, Name	a little and the
		-	
	and the second second		Town and show a
		-	and the second
	a state of the	the state	15 - Children Chil
		-	
	in the second	-	Takan and the P
	Station State	7. 74	A COLUMN TWO IS NOT
	Contraction of the local division of the loc	-	and the second second
	and the second	Service -	Station State

FCM checked the data against the Official Results of Analyses for RMAL17665 on 2/5/2018.

Fred C. Montgomery 2-8-2018

Data Report For	m DRF-21B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction
Particle clutch ID:	11034-01
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1_DRF21R2.xls
DRI mename.	

Average weight per particle, mean value (g):	2.046E-03
Average weight per particle, uncertainty in mean (g):	
Weight of particle clutch (g):	
Approximate number of particles in clutch:	
Uncertainty in number of particles:	109
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
H- 11	Post-burn leach solution ID:	B17101701	B17101706			The second s
	Total volume of leach solution (ml):	103.0	92.0		S-1912-91	
the second			and the second in		Tot to start	
	Radiochemical laboratory analysis number:	17763-021	17763-026	A Strangenter		
	Measured uranium concentration (µg/ml):	9.11E-03	5.76E-03	The second second		
1.00	Uncertainty in uranium concentration (µg/ml):	9.11E-04	5.76E-04	A set of the set of the		· Sector and a start of the
	Weight uranium leached (g):	9.38E-07	5.30E-07	1.47E-06	Part Barris	
	Uncertainty in weight uranium leached (g):	9.40E-08	5.31E-08	1.08E-07		
	Equivalent number of leached kernels:	2.38E-03	1.34E-03	3.73E-03	AND STREET	
	Uncertainty in equivalent number of leached kernels:	2.40E-04	1.36E-04	2.77E-04		
02		at the second second		The second second second	State State	
	Measured concentration of impurity in sample (µg/ml):		and the second sec	Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			States and the second	1000	
1.1	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			a set of the set of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				the second second	
	Measured concentration of impurity in sample (µg/ml):			Mn	-	- Lond - Link - Color - Long
	Uncorrected weight of impurity in sample (µg):	1				the second second second second
Mn	Weight of impurity in blank (µg):		and the second second	Martin Providence		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	12 - S - 20 - 2				
	Measured concentration of impurity in sample (µg/ml):		Section and	Co		and the second sec
Co	Uncorrected weight of impurity in sample (µg):					
0	Weight of impurity in blank (µg):			the state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second second second second second
Ni	Uncorrected weight of impurity in sample (µg):			and the second se		
	Weight of impurity in blank (µg):			and the second		
1.5	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			-		
	Uncorrected weight of impurity in sample (µg):			Ca		the second state and the state of the second
Ca	Weight of impurity in blank (µg):			No. of Concession, Name		
Ca	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Al		
	Uncorrected weight of impurity in sample (µg):			AI		the second s
AI	Weight of impurity in blank (µg):			The second second second		A REAL PROPERTY AND A REAL
	Minimum corrected weight of impurity in sample (µg):			Suffrage and the second second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					the second s
Ti	Weight of impurity in blank (µg):			Concerning in the second second		and the local design of th
	Minimum corrected weight of impurity in sample (µg):			Concernation of the second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	A REAL PROPERTY.		v		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			Contraction of the local division of the		A DECEMBER OF THE REAL
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			200		
	gine en e					

Fred C. Montgomey 2-8-2018 Operator Date

m DRF-21B: Post-Burn Leach Uranium and Impurities
AGR-CHAR-DAM-21 Rev. 2
: Montgomery/Dyer/Helmreich
: BWXT J52R-16-11034
: AGR-5/6/7 over-coated particles, 40% packing fraction
: 11034-02
: \\mc-agr\AGR\LeachBurnLeach\11034-Group 1 DRF21R2.xls

Average weight per particle, mean value (g):	
Average weight per particle, uncertainty in mean (g):	
Weight of particle clutch (g):	36.0677
Approximate number of particles in clutch:	
Uncertainty in number of particles:	109
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B17101702	B17101707	And south and		and the second
1.1.1	Total volume of leach solution (ml):	104.0	91.0	The sheet and		
1967		Water Water and	AT A AND THE IS	Sale - Sale and	55 T 72 157	
	Radiochemical laboratory analysis number:	17763-022	17763-027			
	Measured uranium concentration (µg/ml):	9.79E-03	1.54E-03			
	Uncertainty in uranium concentration (µg/ml):	9.79E-04	1.54E-04		1000	
1	Weight uranium leached (g):	1.02E-06	1.40E-07	1.16E-06	State of the State	
1	Uncertainty in weight uranium leached (g):	1.02E-07	1.40E-08	1.03E-07	12.5	
	Equivalent number of leached kernels:	2.58E-03	3.56E-04	2.94E-03		
1.1	Uncertainty in equivalent number of leached kernels:	2.60E-04	3.58E-05	2.63E-04		
a second		the second	all start and the	The bar is	and the second second	
	Measured concentration of impurity in sample (µg/ml):			Fe		A Martin Party and
	Uncorrected weight of impurity in sample (µg):					des resides a constant
Fe	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	Second Second		CELUL CONSTRUCT		
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):		and the second		1	
Cr	Weight of impurity in blank (µg):			and the second s		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		10000			
- 1	Measured concentration of impurity in sample (µg/ml):			Mn		the stand of the second second
Mn	Uncorrected weight of impurity in sample (µg):					
MIN	Weight of impurity in blank (µg):			a Contract Constant	1000	
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		and the second
Co	Uncorrected weight of impurity in sample (µg):					
100	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			All		
	Uncorrected weight of impurity in sample (µg/mi):			Ni		
Ni	Weight of impurity in blank (µg):		+	And in case of the local division of the loc		
	Minimum corrected weight of impurity in sample (µg):			and the second second second		
	Maximum corrected weight of impurity in sample (µg):					
_	Measured concentration of impurity in sample (µg/m):			Ca		
	Uncorrected weight of impurity in sample (µg):			La		
Ca	Weight of impurity in blank (µg):			and the second se		and the set of the set of the set
	Minimum corrected weight of impurity in sample (µg):			and the second second		
1.1	Maximum corrected weight of impurity in sample (µg):					
100	Measured concentration of impurity in sample (µg/ml):			AJ		
	Uncorrected weight of impurity in sample (µg):		Contraction of the	7.1		the second s
AI	Weight of impurity in blank (ug):	100 m (1 2 m)		A designed and the second		States - Barris - Barris
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second second		Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			and the second second		A Designation of the local data and
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1	Measured concentration of impurity in sample (µg/ml):			v		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			A REAL PROPERTY.		and the second s
	Minimum corrected weight of impurity in sample (µg):					
100	Maximum corrected weight of impurity in sample (µg):			52 6 0 L		

Feed C. Montgomery 2-8-2018 Operator Date

Data Report For	n DRF-21B: Post-Bum Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction
Particle clutch ID:	11034-03
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1_DRF21R2.xls

1

Average weight per particle, mean value (g):	
Average weight per particle, uncertainty in mean (g):	1.27E-05
Weight of particle clutch (g):	36.0677
Approximate number of particles in clutch:	
Uncertainty in number of particles:	109
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B17101703	B17101708	Service Reality of the		
110	Total volume of leach solution (ml):	104.0	106.0	all the state		
1200		- The states	S. B. S.		the set of the set	
141.	Radiochemical laboratory analysis number:	17763-023	17763-028	The training the second		
1	Measured uranium concentration (µg/ml):	1.14E-02	2.05E-03	and the second of the		
	Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g):	1.14E-03	2.05E-04	and the state	and the second second	and the lot of the second states in the second
	Uncertainty in weight uranium leached (g):	1.19E-06 1.19E-07	2.17E-07 2.18E-08	1.40E-06 1.21E-07		
	Equivalent number of leached kernels:	3.01E-03	5.52E-04	3.56E-03		
	Uncertainty in equivalent number of leached kernels:	3.03E-04	5.55E-05	3.09E-04		
A COLUMN	oncertainty in equivalent humber of federica kernels.	3.03L-04	J.JJE-03	3.092-04	Constant of the local data	
	Measured concentration of impurity in sample (µg/ml):	and the second se		Fe		
1.1	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			The second s		and the second second second second
	Minimum corrected weight of impurity in sample (µg):	and the second		THE PROPERTY AND		
	Maximum corrected weight of impurity in sample (µg):	PARTY AND INCOME			1000	
	Measured concentration of impurity in sample (µg/ml):			Cr	a>>=	
	Uncorrected weight of impurity in sample (µg):					the second second second second
Cr	Weight of impurity in blank (µg):			and the second second		and a second the second of the
	Minimum corrected weight of impurity in sample (µg):					
200	Maximum corrected weight of impurity in sample (µg):	and the second				
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):	and the second second				
Mn	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):		1.13	and the second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Co		and the second state of the second state of
Co	Weight of impurity in blank (µg):			Charles and the second s		A CONTRACTOR OF THE OWNER
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			11		
Ni	Weight of impurity in blank (µg):			and a start of the start of		and the second s
	Minimum corrected weight of impurity in sample (µg):	C. R. Physics				
1	Maximum corrected weight of impurity in sample (µg):			and the second second		
5.1.67	Measured concentration of impurity in sample (µg/ml):	10.00		Ca		
	Uncorrected weight of impurity in sample (µg):	The second s	and the second			
Ca	Weight of impurity in blank (µg):			and and the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	Real Property in	and the second second			
222	Measured concentration of impurity in sample (µg/ml):			Al		the second of the second second
AL	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			Later of strength and		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg):					
ті	Uncorrected weight of impurity in sample (µg);			Ti		and the second and the second
	Weight of impurity in blank (µg):			and the second second		and the second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1	Measured concentration of impurity in sample (µg/ml):	ALL PROPERTY AND		v		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):	A STREET		The second of the second of the		The second second second
2.7	Minimum corrected weight of impurity in sample (µg):	in the second				
	Maximum corrected weight of impurity in sample (µg):					
	Comments			CONTRACTOR OF A DESCRIPTION OF A DESCRIP		

FCM checked the data against the Official Results of Analyses for RMAL17763 on 2/5/2018.

Fiel C. Mintgirnery Operator

2-8-2018 Date

Data Report For	m DRF-21B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery/Dyer/Helmreich
Particle lot ID:	BWXT J52R-16-11034
Particle lot description:	AGR-5/6/7 over-coated particles, 40% packing fraction
Particle clutch ID:	11034-04
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\11034-Group 1 DRF21R2.xls

Average weight per particle, mean value (g):	
Average weight per particle, uncertainty in mean (g):	1.27E-05
Weight of particle clutch (g):	36.0677
Approximate number of particles in clutch:	
Uncertainty in number of particles:	109
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B17101704	B17101709			Party and the second second second
Contraction of the	Total volume of leach solution (ml):	104.0	99.0	State of Schuler Law		
and in	and the second second second second second second second second	175 E 10 5 M.	and the second	and the second second	Frank Prov	
	Radiochemical laboratory analysis number:	17763-024	17763-029	and the second second		
	Measured uranium concentration (µg/ml):	4.66E+00	1.38E-02	10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
1	Uncertainty in uranium concentration (µg/ml):	4.66E-01	1.38E-03	and an interest of the	And the second second second	
	Weight uranium leached (g):	4.85E-04	1.37E-06	4.86E-04		
-	Uncertainty in weight uranium leached (g):	4.86E-05	1.37E-07	4.86E-05		
	Equivalent number of leached kernels:	1.23E+00	3.47E-03	1.23E+00	and the second s	
_	Uncertainty in equivalent number of leached kernels:	1.24E-01	3.49E-04	1.24E-01		
- Carlos and		Contraction of the second	and the second	State of the state of the state		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	The second s		Fe	and the second s	and the second s
Fe	Weight of impurity in blank (µg):			No. of Concession, Name		The second se
Fe	Minimum corrected weight of impurity in sample (µg):			And a state of the		
1 gla	Maximum corrected weight of impurity in sample (µg):	210000				
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			ч		
Cr	Weight of impurity in blank (µg):			No. of Concession, Name of Street, or other		Contraction of the state of the
	Minimum corrected weight of impurity in sample (µg):					
L B	Maximum corrected weight of impurity in sample (µg):	A STATE OF A		Contraction of the second second		
	Measured concentration of impurity in sample (µq/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):	A REAL PROPERTY.		and the second is		and the second second
	Minimum corrected weight of impurity in sample (µg):	12 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -				
	Maximum corrected weight of impurity in sample (µg):			STATISTICS IN		
1.0-14	Measured concentration of impurity in sample (µg/ml):		and the second s	Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			Provent seal		and the state of t
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		the second second of
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			Section Section 1		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):		and the second s	0-		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Ca		and the second state of th
Ca	Weight of impurity in blank (µg):			and in case of the local division of the		and the second s
Cu	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Al		
	Uncorrected weight of impurity in sample (µg):	E State		~ ~		and the second sec
AI	Weight of impurity in blank (µg):			Contraction of the local division of the loc		States of the state of the states
	Minimum corrected weight of impurity in sample (µg):	and the second second				
1.1	Maximum corrected weight of impurity in sample (µg):	Contraction of the second	North Contraction of the	CONTRACTOR DURING		
	Measured concentration of impurity in sample (µg/ml):			Ti		
5 A	Uncorrected weight of impurity in sample (µg):	STATISTICS.		and the second		
Ti	Weight of impurity in blank (µg):			A CONTRACTOR OF THE		A STATE OF THE OWNER
	Minimum corrected weight of impurity in sample (µg):		Contraction of the second	and contractor sets		
	Maximum corrected weight of impurity in sample (µg):					
1.00	Measured concentration of impurity in sample (µg/ml):			v		A STATE OF A STATE OF A STATE
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			San and		and the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

Fied C. Martgomery 2-8-2018 Operator Date

m DRF-218: Post-Burn Leach Uranium and Impurities
AGR-CHAR-DAM-21 Rev. 2
Montgomery/Dyer/Helmreich
BWXT J52R-16-11034
AGR-5/6/7 over-coated particles, 40% packing fraction
Post-burn leach blank
\\mc-agr\AGR\LeachBurnLeach\11034-Group 1 DRF21R2.xls

	Average weight uranium per particle, mean value (g):				
A١	verage weight uranium per particle, uncertainty in mean (g):	3.94E-06			
		First Leach	Second Leach	Total	
	Post-burn leach solution ID:	B17101705	B17101710	SALLER STREET, CAR	
	Total volume of leach solution (ml):	70.0	98.0		
Margaria Con		She still and	and the second second second		
	Radiochemical laboratory analysis number:	17763-025	17763-030		
	Measured uranium concentration (µg/ml):	2.22E-04	2.54E-04		
	Uncertainty in uranium concentration (µg/ml):	2.22E-05	2.54E-05		
	Weight uranium leached (g):	1.55E-08	2.49E-08	4.04E-08	
	Uncertainty in weight uranium leached (g):	1.56E-09	2.49E-09	2.94E-09	
-	Equivalent number of leached kernels:	3.94E-05	6.32E-05	1.03E-04	
10.10	Uncertainty in equivalent number of leached kernels:	3.98E-06	6.36E-06	7.54E-06	
		PI - Lotting	State of the state	and the second	
Fe	Measured concentration (µg/ml):			Fe	
	Total weight of leached impurity (µg):			(C-1)	
Cr	Measured concentration (µg/ml):			Cr	
	Total weight of leached impurity (µg):				
Mn	Measured concentration (µg/ml):	- 18 T 31		Mn	
	Total weight of leached impurity (µg):			100 St. 11 E. 1	
Co	Measured concentration (µg/ml):			Co	
	Total weight of leached impurity (µg):				
Ni	Measured concentration (µg/ml):	Second States		Ni	
	Total weight of leached impurity (µg):		Sale of State		
Ca	Measured concentration (µg/ml):			Ca	
	Total weight of leached impurity (µg):				
AI	Measured concentration (µg/ml):	The second second		AI	
10000	Total weight of leached impurity (µg):				
Ti	Measured concentration (µg/ml):			Ti	
	Total weight of leached impurity (µg):		CONTRACTOR OF THE		
v	Measured concentration (µg/ml):	and the second second		v	
	Total weight of leached impurity (µg):				

Water rinse	Include if > 10% of 2nd leach
	And the second
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	and the second second second
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	All della Trans I afra I the second
	A CONTRACTOR OF THE OWNER
	The second s
	the second second second second

Fied C. Mentgomery 2-8-2018 Operator Date

Data Report Form DRF-21A: Pre-Burn Leach Uranium and Impurities			
Procedure:	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-01		
DRF filename:	11035_PF40 overcoated particles-Group 1_DLBL_ICPMS_DRF21R2.xls		

Average weight per particle, mean value (g):	
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9930
Approximate number of particles in sample:	17409
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	ſ	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L18121301		TULAI		
-	Total volume of leach solution (ml):		L18121701	State State State	W18121705	
Second Second	Total volume of leach solution (mi):	112.0	133.0		42.5	
here ?	RMAL analysis number:	10047 001	10047-005	State Contraction	10047 000	
	Measured uranium concentration (µg/ml):	18947-001	18947-005	And a state of the	18947-009	
	Uncertainty in uranium concentration (µg/ml):	2.93E-01 2.93E-02	1.38E-02		2.63E-03	
-	Weight uranium leached (g):	3.28E-05	1.38E-03	2 475 05	2.63E-04	
_	Uncertainty in weight uranium leached (g):	3.28E-05 3.29E-06	1.84E-06 1.84E-07	3.47E-05	1.12E-07	N
-	Equivalent number of leached kernels:	8.33E-02	4.66E-03	3.29E-06 8.79E-02	1.13E-08 2.84E-04	
	Uncertainty in equivalent number of leached kernels:	8.38E-02	4.69E-03	8.40E-03	2.84E-04 2.88E-05	
0.000	oncertainty in equivalent humber of reactica kernels.	0.302-03	4.092-04	0.40E-03	2.00E-05	
	Measured concentration of impurity in sample (µg/ml):	and the second se		Fe		
	Uncorrected weight of impurity in sample (µg):			re		
Fe	Weight of impurity in blank (µg):			the state of the state of the state		C. C. Contractory of the second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		11-12-12-12-12-12-12-12-12-12-12-12-12-1	Cr		
	Uncorrected weight of impurity in sample (µg):			Ci		
Cr	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):		Same Same Same			
Mn	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):	A 100 10 10 10				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		
	Uncorrected weight of impurity in sample (µg):				1000	
Co	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):	Section Section		Contraction of the second	1	A REAL PROPERTY AND A REAL
	Maximum corrected weight of impurity in sample (µg):		Contract of the second			
	Measured concentration of impurity in sample (µg/ml):	A REAL PROPERTY.		Ni		
	Uncorrected weight of impurity in sample (µg):			The State of State of State		
Ni	Weight of impurity in blank (µg):			and a stand and		and the second second second second
	Minimum corrected weight of impurity in sample (µg):					The Balling and the second
	Maximum corrected weight of impurity in sample (µg):				STATISTICS STATISTICS	and the second se
	Measured concentration of impurity in sample (µg/ml):			Ca	A	And Anton And Anton
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):					The state of the second state
	Minimum corrected weight of impurity in sample (µg):					all and the second s
	Maximum corrected weight of impurity in sample (µg):					A Provide Contraction of the second
	Measured concentration of impurity in sample (µg/ml):			AI		and the second second second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			Contraction of the second	- 1/	
	Minimum corrected weight of impurity in sample (µg):		CERTER STREET			the matter of the second states of the states
	Maximum corrected weight of impurity in sample (µg):		A STANDARD N	NET STATES		and the second
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second sec
	Uncorrected weight of impurity in sample (µg):				the second s	
Ti	Weight of impurity in blank (µg):			and a light of the set		
	Minimum corrected weight of impurity in sample (µg):					and the second second
_	Maximum corrected weight of impurity in sample (µg):					a logical the sub-
	Measured concentration of impurity in sample (µg/ml):		A REAL PROPERTY.	V		A RELEASE AND BRANCE
	Uncorrected weight of impurity in sample (µg):			and the second second		
v	Weight of impurity in blank (µg):			and the second second		and the second s
	Minimum corrected weight of impurity in sample (µg):					A The Part of the Part of the Part
	Maximum corrected weight of impurity in sample (µg):					at the second second second second

Comments

Leached in Vessel RB#2 (previously used for 14155D-Group 1 Clutch 1). FCM checked the recorded data against the official Results of Analysis for RMAL18947 on 3/26/2019.

Fred C. Montgomery Operator

**4-18-2019** Date B-19

Data Report Form DRF-21A: Pre-Burn Leach Uranium and Impurities			
Procedure:	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-02		
DRF filename:	11035_PF40 overcoated particles-Group 1_DLBL_ICPMS_DRF21R2.xls		

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9102
Approximate number of particles in sample:	17368
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	ſ	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leac
	Pre-burn leach solution ID:	L18121302	L18121702		W18121706	
	Total volume of leach solution (ml):	117.0	130.0		45.0	
100		and the second second	and the second second		1010	
	RMAL analysis number:	18947-002	18947-006	2 martine States	18947-010	
	Measured uranium concentration (µg/ml):	2.77E-01	1.10E-02		1.26E-03	
	Uncertainty in uranium concentration (µg/ml):	2.77E-02	1.10E-03	Par martin 184	1.26E-04	
	Weight uranium leached (g):	3.24E-05	1.43E-06	3.38E-05	5.67E-08	N
	Uncertainty in weight uranium leached (g):	3.25E-06	1.43E-07	3.25E-06	5.73E-09	and the same of the same
	Equivalent number of leached kernels:	8.23E-02	3.63E-03	8.59E-02	1.44E-04	
_	Uncertainty in equivalent number of leached kernels:	8.28E-03	3.65E-04	8.29E-03	1.46E-05	
- 1-			PERSONAL PROPERTY.	ALL STREET, ST	and the state	
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second second second
Fe	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and the second second is		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		Charles and the second second second
Cr	Uncorrected weight of impurity in sample (µg):			and the second se		
Cr	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Mn		the second and the second second
Mn				the second second second		
1.111	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			0-		
	Uncorrected weight of impurity in sample (µg):			Со		and the second sec
Co	Weight of impurity in blank (µg):			CONTRACTOR OF THE OWNER		
	Minimum corrected weight of impurity in sample (µg):			and the barries of the		
	Maximum corrected weight of impurity in sample (µg):					
1.00	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					and the second second second second second
Ni	Weight of impurity in blank (µg):			The second s		and the second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Ca		
	Uncorrected weight of impurity in sample (µg):			ALC: NOT THE REAL OF		
Ca	Weight of impurity in blank (µg):			A STATISTICS		and the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):			2.2.2.3.4.1.1		
AI	Weight of impurity in blank (µg):			and the second second		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		the second second second
	Uncorrected weight of impurity in sample (µg):	TRU LESS STORES				
Ti	Weight of impurity in blank (µg):			a financia a series a		
	Minimum corrected weight of impurity in sample (µg):				Same and	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			v		the second and the second
v	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			the state of the		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	maximum corrected weight or impurity in sample (µg):					

Leached in Vessel RB#3 (previously used for 14155D-Group 1 Clutch 2). FCM checked the recorded data against the official Results of Analysis for RMAL18947 on 3/26/2019.

Fied c. Montgomery

4-18-2019 Date

Data Report Form DRF-21A: Pre-Burn Leach Uranium and Impurities				
Procedure:	AGR-CHAR-DAM-21 Rev. 2			
Operator:	Montgomery			
Particle lot ID:	BWXT J52R-16-11035			
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction			
Particle sample ID: 11035-03				
DRF filename:	11035_PF40 overcoated particles-Group 1_DLBL_ICPMS_DRF21R2.xls			

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9109
Approximate number of particles in sample:	
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L18121303	L18121703	and the second second	W18121707	
	Total volume of leach solution (ml):	113.0	137.0	ET THE PLATE	42.5	
and the			A start and a start	A PARTS AND	Distant Contract	
	RMAL analysis number:	18947-003	18947-007	the states	18947-011	
	Measured uranium concentration (µg/ml):	2.86E-01 2.86E-02	1.18E-02	to a property	1.21E-03	
	Uncertainty in uranium concentration (µg/ml):		1.18E-03	and the second second second	1.21E-04	and the second second
	Weight uranium leached (g):	3.23E-05	1.62E-06	3.39E-05	5.14E-08	N
	Uncertainty in weight uranium leached (g):	3.24E-06	1.62E-07	3.24E-06	5.20E-09	
	Equivalent number of leached kernels:	8.20E-02	4.10E-03	8.61E-02	1.31E-04	
	Uncertainty in equivalent number of leached kernels:	8.26E-03	4.13E-04	8.27E-03	1.33E-05	
0.000			and the second sec	and the second second		
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second
Fe	Uncorrected weight of impurity in sample (µg):					
1 e	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			the second s		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			Lr		The second s
Cr	Weight of impurity in blank (µg):			Contraction and in the		and the second sec
	Minimum corrected weight of impurity in sample (µg):					and the second second second
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			PIII		
Mn	Weight of impurity in blank (µg):			Contraction of the local division of the loc		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		and the second second
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second se		A MARKED AND A MAR
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second second		Ni	100000	
	Uncorrected weight of impurity in sample (µg):	A CONTRACTOR OF A	Section of the section of the			
Ni	Weight of impurity in blank (µg):			Stand Barris		
	Minimum corrected weight of impurity in sample (µg):					and the second second
	Maximum corrected weight of impurity in sample (µg):					a to the second second second second
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the second second		and the second second second second
	Minimum corrected weight of impurity in sample (µg):					and the second
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		a for the stand of the state of the state
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			and the second states		The second second second second
	Minimum corrected weight of impurity in sample (µg):					and the second states where the
	Maximum corrected weight of impurity in sample (µg):			- Andrewski -		
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second second
ті	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			and the state of the state of the		A REAL PROPERTY AND A REAL
	Maximum corrected weight of impurity in sample (µg):				13	
	Measured concentration of impurity in sample (µg/ml):			v		The second second second second
	Uncorrected weight of impurity in sample (µg):			V	1	
v	Weight of impurity in blank (µg):			A COLORADOR AND A COLORADOR		And the second s
.	Minimum corrected weight of impurity in sample (µq):			and the second sec		
	Maximum corrected weight of impurity in sample (µg):					
	(hg),					

Leached in Vessel RB#11 (previously used for 14155D-Group 1 Clutch 3). FCM checked the recorded data against the official Results of Analysis for RMAL18947 on 3/26/2019.

Fiel C. Montgomery

4-18-2019 Date

Data Report Form DRF-21A: Pre-Burn Leach Uranium and Impurities			
Procedure:	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-04		
DRF filename:	11035_PF40 overcoated particles-Group 1_DLBL_ICPMS_DRF21R2.xls		

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9301
Approximate number of particles in sample:	17378
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L18121304	L18121704	and the second second	W18121708	the second second second
	Total volume of leach solution (ml):	103.0	142.0	A CONTRACTOR OF A	42.5	
Sec.	the second s	and the second second	and the second second	and the second second	Contraction of the second	
	RMAL analysis number:	18947-004	18947-008	A CALL AND AND A	18947-012	
	Measured uranium concentration (µg/ml):	3.04E-01	1.62E-02	Salar and the state	1.69E-03	
	Uncertainty in uranium concentration (µg/ml):	3.04E-02	1.62E-03	and the stand and	1.69E-04	The second second second
	Weight uranium leached (g):	3.13E-05	2.30E-06	3.36E-05	7.18E-08	N
	Uncertainty in weight uranium leached (g):	3.14E-06	2.30E-07	3.15E-06	7.27E-09	
	Equivalent number of leached kernels:	7.95E-02	5.84E-03	8.53E-02	1.82E-04	
	Uncertainty in equivalent number of leached kernels:	8.00E-03	5.87E-04	8.03E-03	1.85E-05	
15 - 1 - 1		State State	A Participant	A DESCRIPTION OF THE OWNER		
	Measured concentration of impurity in sample (µg/ml):			Fe	Contraction of the little	State of the second state of the
	Uncorrected weight of impurity in sample (µg):	A CONTRACTOR OF TAXABLE				
Fe	Weight of impurity in blank (µg):			the second s		
	Minimum corrected weight of impurity in sample (µg):		and the second			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		A PARTY AND A PARTY AND A PARTY
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			of a state of the		
	Minimum corrected weight of impurity in sample (µg):	and the second second				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		the we can be a provide the second second
	Uncorrected weight of impurity in sample (µg):				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
Mn	Weight of impurity in blank (µg):			in and the first of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		in the second second second
0.	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			States and the second second		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		a state of the second
Ni	Uncorrected weight of impurity in sample (µg):			and the second		
	Weight of impurity in blank (µg):			2 Mars 2 - 12/2 de		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg/m):			La		
Ca	Weight of impurity in blank (µg):			ALL SHOW PROPERTY.		Contraction of the second second
- Cu	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):			AI		
AI	Weight of impurity in blank (µg):			and the second		A CONTRACT OF A CONTRACT.
	Minimum corrected weight of impurity in sample (µg):			Constant of the local diversion of the		
1.5	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					and the second se
Ti	Weight of impurity in blank (µg):			CONTRACTOR OF THE OWNER		The second s
-	Minimum corrected weight of impurity in sample (µg):			and the second starts of		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			v		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			a little and the second		The second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
						and the second se

Leached in Vessel FB#2 (previously used for 14155D-Group 1 Clutch 4). FCM checked the recorded data against the official Results of Analysis for RMAL18947 on 3/26/2019.

Fied c. Mortgomery

4-18-2019

Data Report Form DRF-21B: Post-Burn Leach Uranium and Impurities			
Procedure:	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-01		
DRF filename:	11035_PF40 overcoated particles-Group 1_DLBL_ICPMS_DRF21R2.xls		

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9930
Approximate number of particles in sample:	
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18123101	B19010201	Print and the second	W19010205	the second s
	Total volume of leach solution (ml):	61.5	65.0	and the second second	20.0	
Carl	and the second		Constant of the second		The second second	
	RMAL analysis number:	19027-001 1.00E-02	19027-005	The second second second second	19027-009	
	Measured uranium concentration (µg/ml):		3.36E-03	ALL STREET	2.72E-04	
	Uncertainty in uranium concentration (µg/ml):	1.00E-03	3.36E-04		2.72E-05	and the second
	Weight uranium leached (g):	6.15E-07	2.18E-07	8.33E-07	5.44E-09	N
-	Uncertainty in weight uranium leached (g):	6.18E-08	2.19E-08	6.56E-08	5.72E-10	
	Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels:	1.56E-03	5.54E-04	2.12E-03	1.38E-05	
Sector Sector	Uncertainty in equivalent number of leached kernels:	1.58E-04	5.60E-05	1.68E-04	1.46E-06	
	Measured concentration of impurity in sample (µg/ml):	And the second se		Fe	and the second	
	Uncorrected weight of impurity in sample (µg):		A state of the sta	ге		
Fe	Weight of impurity in blank (µg):			Statement of the local division of the local		the second s
	Minimum corrected weight of impurity in sample (µg):		12.00	and the second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):	A CONTRACTOR				
Cr	Weight of impurity in blank (µg):			and the second second		and the first state of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		24. Sec. 10. Sec.	
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			and the tail of		and the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the second s
	Measured concentration of impurity in sample (µg/ml):			Co		A CARLES AND A CARLES AND A CARLES
Co	Uncorrected weight of impurity in sample (µg):					
0	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			ALCONTRACTOR DESCRIPTION		the part of the second second second
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Ni		and the second
	Uncorrected weight of impurity in sample (µg):			INI		and the second se
Ni	Weight of impurity in blank (µg):					Charles of the state of the state of the
	Minimum corrected weight of impurity in sample (µg):					and the second
	Maximum corrected weight of impurity in sample (µg):	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	Measured concentration of impurity in sample (µg/ml):	Section 1 and a section of	Sec. The second	Ca		A PART AND A PART AND A PART
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			An all for the set		and the second second second second
	Minimum corrected weight of impurity in sample (µg):					and the second have been been been
	Maximum corrected weight of impurity in sample (µg):	and the second second		Chief of the little		the state is a state of the
	Measured concentration of impurity in sample (µg/ml):	And the second states of		AI		and a state where the second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):				107	the state of the state of the
	Minimum corrected weight of impurity in sample (µg):					and the state of the state of the
_	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):					
	Uncorrected weight of impurity in sample (µg):			Ti		and the second
ті	Weight of impurity in blank (µg):			and the second		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	Section Section		V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):					The state of the second second
	Minimum corrected weight of impurity in sample (µg):	LY SELECTION S			-	
	Maximum corrected weight of impurity in sample (µg):					

FCM checked the recorded data against the official Results of Analysis for RMAL19027 on 3/26/2019.

Fiel c. Montgo mery

4-18-2019 Date

Data Report Form DRF-21B: Post-Burn Leach Uranium and Impurities			
Procedure:	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-02		
DRF filename:	11035 PF40 overcoated particles-Group 1 DLBL ICPMS DRE21R2.xls		

2.010E-03
6.4E-06
34.9930
17409
55
3.94E-04
3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18123102	B19010202		W19010206	
	Total volume of leach solution (ml):	58.8	64.8	and the state of the	20.0	
200		Constant Later	And And And		ANTE CONTRACT	
	RMAL analysis number:	19027-002	19027-006	C. M. S. Cardel	19027-010	
	Measured uranium concentration (µg/ml):	1.11E-02	5.89E-03	Test and the se	3.12E-04	
	Uncertainty in uranium concentration (µg/ml):	1.11E-03	5.89E-04		3.12E-05	and the second
	Weight uranium leached (g):	6.53E-07	3.82E-07	1.03E-06	6.24E-09	N
-	Uncertainty in weight uranium leached (g): Equivalent number of leached kernels:	6.57E-08	3.84E-08	7.60E-08	6.56E-10	
-	Uncertainty in equivalent number of leached kernels:	1.66E-03 1.67E-04	9.69E-04 9.78E-05	2.63E-03	1.58E-05	
THE OWNER	oncertainty in equivalent number of feached kernels.	1.0/2-04	9.782-05	1.95E-04	1.67E-06	
-	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):			re		
Fe	Weight of impurity in blank (µg):			AND DESCRIPTION OF THE OWNER OF T		NAME OF TAXABLE PARTY.
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	Constant of the second				
	Measured concentration of impurity in sample (µg/ml):	The second second		Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			State Bart State		and the second of the second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the second sec
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			and the second second		and an arrive was the the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				2 1 7 6	and the second
	Measured concentration of impurity in sample (µg/ml):			Co		a had and the second second second
Co	Uncorrected weight of impurity in sample (µg):			and the second se		
0	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			2 - Children and Art		and the second second second
	Maximum corrected weight of impurity in sample (µg):					The second s
	Measured concentration of impurity in sample (µg/ml);			Ni		
	Uncorrected weight of impurity in sample (µg):			INI		
Ni	Weight of impurity in blank (µg):			State of the second second		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					the second s
	Measured concentration of impurity in sample (µg/ml):	In the second	A CONTRACTOR OF	Ca		and the state of the state of the state of the
	Uncorrected weight of impurity in sample (µg):	The Case of the Ca		The second second		
Ca	Weight of impurity in blank (µg):			and the second second		and the second state of the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					the second second second second
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):	and a second state		and the second		and the second strength where where the
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					and the second se
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second sec
ті	Uncorrected weight of impurity in sample (µg):			and the second second		
	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					and the second sec
-	Measured concentration of impurity in sample (µg/ml):			v		a property the second and
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			The Contract of the		
	Minimum corrected weight of impurity in sample (µg):					and the second
	Maximum corrected weight of impurity in sample (µg):	21.000			1	The second s

FCM checked the recorded data against the official Results of Analysis for RMAL19027 on 3/26/2019.

Fred c. Montgomery

4-18-2019 Date

## Data Report Form DRF-21B: Post-Burn Leach Uranium and Impurities

Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery
Particle lot ID:	BWXT J52R-16-11035
	AGR-5/6/7 overcoated particles, 40% packing fraction
Particle sample ID:	11035-03
DRF filename:	11035_PF40 overcoated particles-Group 1_DLBL_ICPMS_DRF21R2.xls

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9930
Approximate number of particles in sample:	17409
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18123103	B19010203		W19010207	and the second second second
	Total volume of leach solution (ml):	61.0	63.2	Carrier Marriel	20.0	
Mar Charles		CONTRACTOR OF	Pin the Pilling	and the second second	and the second s	
	RMAL analysis number:	19027-003	19027-007	The Treat	19027-011	
1	Measured uranium concentration (µg/ml):	1.18E-02	2.92E-03		3.99E-04	
	Uncertainty in uranium concentration (µg/ml):	1.18E-03	2.92E-04	and the stand of the	3.99E-05	
	Weight uranium leached (g):	7.20E-07	1.85E-07	9.04E-07	7.98E-09	N
	Uncertainty in weight uranium leached (g):	7.24E-08	1.86E-08	7.47E-08	8.39E-10	
_	Equivalent number of leached kernels:	1.83E-03	4.68E-04	2.30E-03	2.03E-05	
	Uncertainty in equivalent number of leached kernels:	1.85E-04	4.73E-05	1.91E-04	2.14E-06	
Sec. 11			Warman and a state of the state	and the second second	and the second second	
	Measured concentration of impurity in sample (µg/ml):			Fe		the state of the second state of the second
	Uncorrected weight of impurity in sample (µg):	and the second				
Fe	Weight of impurity in blank (µg):	and the second second		the second s		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	ALC: CONTRACT		Cr		and a start of the second start
Cr	Uncorrected weight of impurity in sample (µg):			and the second se		
C	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					Later and the second second second
	Maximum corrected weight of impurity in sample (µg):					the second second is a second s
-	Measured concentration of impurity in sample (µg/ml):			Ma		
	Uncorrected weight of impurity in sample (µg):			Mn		and the state of t
Mn	Weight of impurity in blank (µg):			State of the party of the party of		and the second se
1.111	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml);			Co		and the second se
	Uncorrected weight of impurity in sample (µg/iii):					
Co	Weight of impurity in blank (µg):			and the second se		and the second se
	Minimum corrected weight of impurity in sample (µg):			and the second second		and the second sec
	Maximum corrected weight of impurity in sample (µg):		7			
	Measured concentration of impurity in sample (µg/ml):			Ni		The second state of the second state of the
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):	CALL COLORING		and the second second		A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					The second s
	Measured concentration of impurity in sample (µg/ml):	THE OWNER AND A DESCRIPTION OF	Service and the service of the servi	Са		The state of the state of the state of the
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			San and the second	THE CONTRACT OF	
	Minimum corrected weight of impurity in sample (µg):		215 15 14 12 I	THE ALL MARKED		and the second second second
	Maximum corrected weight of impurity in sample (µg):					and the second
	Measured concentration of impurity in sample (µg/ml):			AI		
100	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):	Martin Cover		The state of the		Salt a Constant of the set
	Minimum corrected weight of impurity in sample (µg):					and the second second
	Maximum corrected weight of impurity in sample (µg):					and the second
	Measured concentration of impurity in sample (µg/ml):			Ti		a sub- and the second second
_	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):					Company and the state of the
	Minimum corrected weight of impurity in sample (µg):				in the second	and the second second in the second se
_	Maximum corrected weight of impurity in sample (µg):					States of the second second
	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):			the second s		
v	Weight of impurity in blank (µg):			and the second second		a series and the series of a
-	Minimum corrected weight of impurity in sample (µg):					and the second second second
	Maximum corrected weight of impurity in sample (µg):					and the second sec

Comments

FCM checked the recorded data against the official Results of Analysis for RMAL19027 on 3/26/2019.

Fiel C. Montgomery

4-18-2019 Date

#### Data Report Form DRF-21B: Post-Burn Leach Uranium and Impurities

Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery
Particle lot ID:	BWXT J52R-16-11035
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction
Particle sample ID:	11035-04
DRF filename:	11035_PF40 overcoated particles-Group 1_DLBL_ICPMS_DRF21R2.xls

Average weight per particle, mean value (g):	
Average weight per particle, uncertainty in mean (g):	
Weight of particle sample (g):	34.9930
Approximate number of particles in sample:	
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

_		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18123104	B19010204	and an alter set and	W19010208	a standard was the wat the
	Total volume of leach solution (ml):	60.8	64.8	a share to be a state of the	20.0	
1		A State of States		Non Strategic	A REAL PROPERTY AND	
	RMAL analysis number:	19027-004	19027-008	An Alger March	19027-012	
_	Measured uranium concentration (µg/ml):	1.36E-02	1.58E-03	Contraction of the second	7.04E-04	
	Uncertainty in uranium concentration (µg/ml):	1.36E-03	1.58E-04	a stand and and	7.04E-05	and the second second second
	Weight uranium leached (g): Uncertainty in weight uranium leached (g):	8.27E-07	1.02E-07	9.29E-07	1.41E-08	N
-	Equivalent number of leached kernels:	8.32E-08	1.03E-08	8.38E-08	1.48E-09	
-	Uncertainty in equivalent number of leached kernels:	2.10E-03 2.12E-04	2.60E-04	2.36E-03	3.57E-05	
1202203	checitality in equivalent humber of feached kemels.	2.125-04	2.62E-05	2.14E-04	3.77E-06	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):			re		
Fe	Weight of impurity in blank (µg):			Contraction of the owner of		A REAL PROPERTY AND A REAL
	Minimum corrected weight of impurity in sample (µg):		and the second second			
	Maximum corrected weight of impurity in sample (ug):		A CONTRACTOR OF	States and the second		
	Measured concentration of impurity in sample (µg/ml):			Cr	100 A 100 A 100	
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			AC AC A THE A STATE OF		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		and the second
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			and the second second second		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					and the second second second second
	Measured concentration of impurity in sample (µg/ml):			Co		the second second second second second
Co	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			AND INCOMENTATION OF		
0	Minimum corrected weight of impurity in sample (µg):			The strength of the local strength of the		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second se
	Uncorrected weight of impurity in sample (µg):			1NI		
Ni	Weight of impurity in blank (µg):			Chinese a Caral		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		Contraction of the second			
	Measured concentration of impurity in sample (µg/ml):			Ca		and the second
	Uncorrected weight of impurity in sample (µg):				No. of the second	
Ca	Weight of impurity in blank (µg):			a man to to the start of		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					the state of the state of the
	Measured concentration of impurity in sample (µg/ml):			AI		and the second second second
AI	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			and the second second		and a state of a state of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Ti		T. L. R. M. C. M. C. M.
	Uncorrected weight of impurity in sample (µg/mi):					and the second
ті	Weight of impurity in blank (µg):			And the second se		A CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWNE
	Minimum corrected weight of impurity in sample (µg):			the second s		
	Maximum corrected weight of impurity in sample (µg):					The second s
				V		
			A 40 1 1 1 1 1			
v	Weight of impurity in blank (µg):			Carlos a real of		
	Minimum corrected weight of impurity in sample (µg):					and the second
	Maximum corrected weight of impurity in sample (µg):		1997 - 19			A State of the second sec
v	Minimum corrected weight of impurity in sample (µg):			V		

**Comments** 

FCM checked the recorded data against the official Results of Analysis for RMAL19027 on 3/26/2019.

Fied C. Montgomery

4-18-2019 Date B-26

# Data Report Form DRF-21A: Pre-Burn Leach Uranium and Impurities

Procedure:	AGR-CHAR-DAM-21 Rev. 2
Operator:	Montgomery
Particle lot ID:	BWXT J52R-16-11035
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction
Particle sample ID:	11035-05
DRF filename:	11035_PF40 overcoated particles-Group 2_DLBL_ICPMS_DRF21R2.xls

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9526
Approximate number of particles in sample:	
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 100/ of 2nd los
	Pre-burn leach solution ID:	L19032101	L19032501	Total	W19032503	Include if > 10% of 2nd lead
-	Total volume of leach solution (ml):	100.0	134.0		40.0	
1200		100.0	154.0	and the second second second	40.0	
	RMAL analysis number:	19232-001	19232-003	Sugar and the second	19232-005	
	Measured uranium concentration (µg/ml):	3.23E-01	2.17E-02	Contractor Participation	2.65E-03	
	Uncertainty in uranium concentration (µg/ml):	3.23E-02	2.17E-03	TTTT THE STORE	2.65E-04	
	Weight uranium leached (g):	3.23E-05	2.91E-06	3.52E-05	1.06E-07	N
	Uncertainty in weight uranium leached (g):	3.24E-06	2.91E-07	3.25E-06	1.07E-08	the second second second second
	Equivalent number of leached kernels:	8.20E-02	7.38E-03	8.94E-02	2.69E-04	
	Uncertainty in equivalent number of leached kernels:	8.26E-03	7.43E-04	8.30E-03	2.74E-05	
125.1	and the second sec			Contraction Cont	and the second	
	Measured concentration of impurity in sample (µg/ml):			Fe	See June 1	A State of the second s
-	Uncorrected weight of impurity in sample (µg):				The state of the state	
Fe				The Talk of the second		
	Minimum corrected weight of impurity in sample (µg):					
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	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Cr		at a provide the second second second
Cr				and the second se		
	Minimum corrected weight of impurity in sample (µg):			the state of the second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			Pill		
Mn						The state of the second read and
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the second second	Constant Vinter		
	Measured concentration of impurity in sample (µg/ml):			Со		
	Uncorrected weight of impurity in sample (µg):		- Constant of the second	1		
Co	Weight of impurity in blank (µg):			and the second of		
	Minimum corrected weight of impurity in sample (µg):				1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
	Maximum corrected weight of impurity in sample (µg):		A CONTRACTOR			
	Measured concentration of impurity in sample (µg/ml):			Ni		and service the state of the service
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			and the state water		
	Minimum corrected weight of impurity in sample (µg):				1	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Ca		which is the second second second second
Ca	Weight of impurity in blank (µg):			and the second se		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):		-	and the second		A STATISTICS AND A STATISTICS
	Minimum corrected weight of impurity in sample (µg):	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				
6.0	Maximum corrected weight of impurity in sample (µg):			1		
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):		3. 1. E. S. C. L.		John March 19	
Ti	Weight of impurity in blank (µg):			Charles and the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		and all and the second second second
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Plaxinum corrected weight of impurity in sample (µg):					

ch

Comments

Leached in Vessel #51 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL19232 on 4/12/2019.

Fied c. Mont go mery

Data Report Form DRF-21A: Pre-Burn Leach Uranium and Impurities				
Procedure:	AGR-CHAR-DAM-21 Rev. 2			
Operator: Montgomery				
Particle lot ID:	BWXT J52R-16-11035			
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction			
Particle sample ID: 11035-06				
DRF filename:	11035_PF40 overcoated particles-Group 2_DLBL_ICPMS_DRF21R2.xls			

Average weight per particle, mean value (g):	2.010E-03	
Average weight per particle, uncertainty in mean (g):	6.4E-06	
Weight of particle sample (g):	34.9015	
Approximate number of particles in sample:	17364	1000
Uncertainty in number of particles:	55	140 P.Z.
Average weight uranium per particle, mean value (g):	3.94E-04	
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06	

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19032102	L19032502	and the second	W19032504	Contraction of the second
	Total volume of leach solution (ml):	102.0	136.0	ALL AND	40.0	
1000	the local and property of the local sector and	The X of the The P		and the state	and the second	
	RMAL analysis number:	19232-002 3.01E-01	19232-004	and the second	19232-006	
	Measured uranium concentration (µg/ml):		1.74E-02	and the second of the second of the	2.27E-03	
	Uncertainty in uranium concentration (µg/ml):	3.01E-02	1.74E-03	A PROPERTY OF	2.27E-04	
	Weight uranium leached (g):	3.07E-05	2.37E-06	3.31E-05	9.08E-08	N
	Uncertainty in weight uranium leached (g):	3.08E-06	2.37E-07	3.09E-06	9.20E-09	
	Equivalent number of leached kernels:	7.79E-02	6.01E-03	8.39E-02	2.30E-04	
-	Uncertainty in equivalent number of leached kernels:	7.85E-03	6.04E-04	7.88E-03	2.35E-05	
-	Management of the first of the first	and the state of the		Section of the section of the		
	Measured concentration of impurity in sample (µg/ml):			Fe		the second residence will be a second second
Fe	Uncorrected weight of impurity in sample (µg):					
re	Weight of impurity in blank (µg):			and the contract of the		
4. Jan - E	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/m):			Cr		
	Uncorrected weight of impurity in sample (µg):			Lr		and the second second second second second
Cr	Weight of impurity in blank (µg):			and the second se		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			Pan		
Mn	Weight of impurity in blank (µg):					and the state of the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		the second second	Со		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			ATT THE REAL PROPERTY.		
	Minimum corrected weight of impurity in sample (µg):	and the second sec				
	Maximum corrected weight of impurity in sample (µg):				1997 - 19 - 19 - 19 - 19 - 19 - 19 - 19	
	Measured concentration of impurity in sample (µg/ml):			Ni	and the second s	
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			The state of the		the state of the second se
	Minimum corrected weight of impurity in sample (µg):					and the second second second second
	Maximum corrected weight of impurity in sample (µg):	Contraction of the				At a start of the start of
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			The of Strates Dias		and the second of the second
	Minimum corrected weight of impurity in sample (µg):					and the second se
	Maximum corrected weight of impurity in sample (µg):					and a straight water and the straight of
	Measured concentration of impurity in sample (µg/ml):			AI		and the state of the second
AI	Uncorrected weight of impurity in sample (µg):					
A	Weight of impurity in blank (µg):			and the second of the		A State of the state of the state of the
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					The second second second
	Measured concentration of impurity in sample (µg/ml):			T2		Laboration in the second states
	Uncorrected weight of impurity in sample (µg):			Ti		and the day of the contract of the second
ті	Weight of impurity in blank (µg):			and the second		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			The second second		
	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second states		
	Minimum corrected weight of impurity in sample (µg):				1	
	Maximum corrected weight of impurity in sample (µg):					and the second second second

Leached in Vessel #52 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL19232 on 4/12/2019.

Fiel C. Montgomery

4-18-2019 Date

#### Data Report Form DRF-21A: Pre-Burn Leach Uranium and Impurities

AGR-CHAR-DAM-21 Rev. 2
Montgomery
BWXT J52R-16-11035
AGR-5/6/7 overcoated particles, 40% packing fraction
11035-07
11035_PF40 overcoated particles-Group 2_DLBL_ICPMS_DRF21R2.xls

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9633
Approximate number of particles in sample:	
Uncertainty in number of particles:	
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19032601	L19032801	States Constantion	W19032803	Sector and the sector of the sector
	Total volume of leach solution (ml):	135.0	168.0	A CONTRACTOR OF THE OWNER	40.0	
Conception of		19240-001		and the second second	A second second	
	RMAL analysis number:           Measured uranium concentration (µg/ml):           Uncertainty in uranium concentration (µg/ml):		19240-003	the share the strength of	19240-005	
			9.72E-03	Die and Light and	1.03E-03	
			9.72E-04		1.03E-04	and the second second second
	Weight uranium leached (g):	3.46E-05	1.63E-06	3.62E-05	4.12E-08	N
	Uncertainty in weight uranium leached (g): Equivalent number of leached kernels:	3.46E-06	1.63E-07	3.46E-06	4.17E-09	
-	Uncertainty in equivalent number of leached kernels:	8.77E-02	4.14E-03	9.19E-02	1.05E-04	
(Second and	Oncertainty in equivalent number of feached kernels;	8.83E-03	4.17E-04	8.84E-03	1.06E-05	
	Measured concentration of impurity in sample (µg/ml):			and the second second second	and the second se	
	Uncorrected weight of impurity in sample (µg):			Fe		
Fe	Weight of impurity in blank (µg):			NAME OF TAXABLE AND ADDRESS		
	Minimum corrected weight of impurity in sample (µg):			Contract of the second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					and the second se
Cr	Weight of impurity in blank (µg):			The State of State		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	CONTRACTOR AND		Mn		
	Uncorrected weight of impurity in sample (µg):		Section of the sectio			
Mn	Weight of impurity in blank (µg):	PALA STAT		the state of the s		A State of the second
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					The second s
	Measured concentration of impurity in sample (µg/ml):			Со		the second and the second second
	Uncorrected weight of impurity in sample (µg):		- Can I - Can I - Can			
Co	Weight of impurity in blank (µg):			with himse with the		the second second second
	Minimum corrected weight of impurity in sample (µg):					and the second se
	Maximum corrected weight of impurity in sample (µg):					a second s
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Ni	100	of the second second of the second second second
Ni	Weight of impurity in blank (µg):			The second second second		
1.11	Minimum corrected weight of impurity in sample (µg):					and the second s
	Maximum corrected weight of impurity in sample (µg):					the state of the second state of the
	Measured concentration of impurity in sample (µg/ml):			Ca		A REAL PROPERTY AND A REAL
	Uncorrected weight of impurity in sample (µg):			Ca		the second s
Ca	Weight of impurity in blank (µg):			A CONTRACTOR OF THE OWNER		and the second second second second
1.00	Minimum corrected weight of impurity in sample (µg):					A TANK TANK TANK
- 14	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	Contraction Party of		AI		
	Uncorrected weight of impurity in sample (µg):		- Carlo Carlo			
AI	Weight of impurity in blank (µg):			Charles Service David		and the second of the second of the second of the
	Minimum corrected weight of impurity in sample (µg):					The second second
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		and the state of the state of the
_	Uncorrected weight of impurity in sample (µg):	Service and and				
Ti	Weight of impurity in blank (µg):			- Andrew Bart		and a second second second second
	Minimum corrected weight of impurity in sample (µg):					There and the second and
	Maximum corrected weight of impurity in sample (µg):					and the state of the state of the
	Measured concentration of impurity in sample (µg/ml):			V		and and the second second second
v	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			and the second se		
	Minimum corrected weight of impurity in sample (µg):			the state of the second		And Annual and a state of the
H	Maximum corrected weight of impurity in sample (µg):	-				and the second second second
	Haxing the confected weight of impunity in sample (µg):					and the second

Comments

Leached in Vessel #53 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL19240 on 4/12/2019.

Fied C. Montgomeny

4-18-2019 Date

B-29

Data Report Form DRF-21A: Pre-Burn Leach Uranium and Impurities					
Procedure:	AGR-CHAR-DAM-21 Rev. 2				
	Montgomery				
Particle lot ID:	BWXT J52R-16-11035				
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction				
Particle sample ID:	11035-08				
DRF filename:	11035_PF40 overcoated particles-Group 2_DLBL_ICPMS_DRF21R2.xls				

Average weight per particle, mean value (g):	2.010E-03	
Average weight per particle, uncertainty in mean (g):	6.4E-06	
Weight of particle sample (g):	34.9150	
Approximate number of particles in sample:	17371	1000
Uncertainty in number of particles:	55	1250
Average weight uranium per particle, mean value (g):	3.94E-04	
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06	5.61

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19032602	L19032802		W19032804	and the second
	Total volume of leach solution (ml):	133.0	169.0		40.0	
Section 1		and the second s		ST. C. M. S. M.	To add to see a series	
	RMAL analysis number:	19240-002	19240-004	a state to a state of the	19240-006	
· · · · · · · ·	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):		1.05E-02	and the second second	1.21E-03	
			1.05E-03	and the states	1.21E-04	
	Weight uranium leached (g):	3.38E-05	1.77E-06	3.56E-05	4.84E-08	N
	Uncertainty in weight uranium leached (g):	3.38E-06	1.78E-07	3.39E-06	4.90E-09	A Stand and the stand of the
	Equivalent number of leached kernels:	8.57E-02	4.50E-03	9.02E-02	1.23E-04	
	Uncertainty in equivalent number of leached kernels:	8.63E-03	4.53E-04	8.64E-03	1.25E-05	
and the second				and the second	State State	
	Measured concentration of impurity in sample (µg/ml):	And and the second second		Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			A day and a start of		and the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			Contraction of the second		
	Minimum corrected weight of impurity in sample (µg):					
1.1	Maximum corrected weight of impurity in sample (µg):			Second Street		
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			Propriet and		the structure and the local state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		and the second of the second second
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		and an a start of the start of
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			S. alterent Strate		
	Minimum corrected weight of impurity in sample (µg):		APPENDENCE IN			
	Maximum corrected weight of impurity in sample (µg):			Contract States		
	Measured concentration of impurity in sample (µg/ml):			Са		the left that the state of the
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the second		
1000	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	12.12 L 12.24				
	Measured concentration of impurity in sample (µg/ml):			AI		The state of the second states
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			State of the state		
	Minimum corrected weight of impurity in sample (µg):					and the second state of the second
	Maximum corrected weight of impurity in sample (µg):					a state of the second
	Measured concentration of impurity in sample (µg/ml):			Ti		and in the work of the
ті	Uncorrected weight of impurity in sample (µg):					
- 11	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					a man and and a second
	Maximum corrected weight of impurity in sample (µg):					a for the stand of the stands
	Measured concentration of impurity in sample (µg/ml):			v		and the second second second second
v	Uncorrected weight of impurity in sample (µg):			the second s		
v	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):	the second se				and the state of the state of the
	Maximum corrected weight of impurity in sample (µg):					and the second star and the

Leached in Vessel #54 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL19240 on 4/12/2019.

Fied C. Montgomery Operator

4-18-2019 Date

Data Report Form DRF-21B: Post-Burn Leach Uranium and Impurities			
Procedure:	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
Particle lot description:	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-05		
DRF filename:	11035_PF40 overcoated particles-Group 2_DLBL_ICPMS_DRF21R2.xls		

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	34.9526
Approximate number of particles in sample:	17389
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19040201	B19040401	and the second second	W19040405	the second second second second
	Total volume of leach solution (ml):	55.0	59.5	and the second	20.0	
-			Flags alter and the	and the state	Stand Stand Stand	
	RMAL analysis number:	19263-001	19263-005	10 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19263-009	
	Measured uranium concentration (µg/ml):	1.23E-02	2.48E-04	No. of Street,	<2.00E-05	
	Uncertainty in uranium concentration (µg/ml):	1.23E-03	2.48E-05	Contraction Production		and the second second
	Weight uranium leached (g):	6.77E-07	1.48E-08	6.91E-07	<4.00E-10	N
	Uncertainty in weight uranium leached (g):	6.81E-08	1.48E-09	6.81E-08		
-	Equivalent number of leached kernels:	1.72E-03	3.75E-05	1.75E-03	1.02E-06	
The second second	Uncertainty in equivalent number of leached kernels:	1.74E-04	3.79E-06	1.74E-04		
10000			and the second se	and the second states		
	Measured concentration of impurity in sample (µg/ml):			Fe		The second second second
Fe	Uncorrected weight of impurity in sample (µg):					
re	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):					
	Uncorrected weight of impurity in sample (µg):			Cr		
Cr	Weight of impurity in blank (µg):			and the second second		THE R. LEWIS CO. LANSING MICH. N. LANSING MICH.
	Minimum corrected weight of impurity in sample (µg):			A CONTRACTOR OF THE OWNER OF THE		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			MIN		
Mn	Weight of impurity in blank (µg):			COLUMN A DESCRIPTION OF		the second s
	Minimum corrected weight of impurity in sample (µg):			and the second		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):	The second second		Co		and the second second second second
	Uncorrected weight of impurity in sample (µg):			0		
Co	Weight of impurity in blank (µg):			AL HOURS AND		and the second
	Minimum corrected weight of impurity in sample (µg):					and the second states in the
	Maximum corrected weight of impurity in sample (µg):					The second second second second
1.1.1.1	Measured concentration of impurity in sample (µg/ml):			Ni		and the second state of the second state
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			1 20 - 1 - 1 - 1		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		the second s			a standard a second standard
	Measured concentration of impurity in sample (µg/ml):	A REAL PROPERTY.		Ca		
1.	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			The second second		and the second
1.11	Minimum corrected weight of impurity in sample (µg):			22. ANELLI REEL		and the second of the second o
	Maximum corrected weight of impurity in sample (µg):					in the second second second
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			Contract Contract		and the second
1 - 1 - 1	Minimum corrected weight of impurity in sample (µg):				the second second	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		and a second second	Ti		and a taken to be a fair and
	Uncorrected weight of impurity in sample (µg):		and the second of			
Ti	Weight of impurity in blank (µg):			A Party Party Party	10	and the second
	Minimum corrected weight of impurity in sample (µg):				-	and particular and
	Maximum corrected weight of impurity in sample (µg):					the Contract of the second second
	Measured concentration of impurity in sample (µg/ml):			v	Contraction of Contraction	and the second stand wind
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second		and the state of the state of
	Minimum corrected weight of impurity in sample (µg):					and the second second second
	Maximum corrected weight of impurity in sample (µg):				Tur	

<u>Comments</u>

Fred C. Montgomery Operator

4-18-2019 Date

Data Report Form DRF-21B: Post-Burn Leach Uranium and Impurities			
Procedure:	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-06		
DRF filename:	11035_PF40 overcoated particles-Group 2_DLBL_ICPMS_DRF21R2.xls		

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	
Weight of particle sample (g):	
Approximate number of particles in sample:	
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19040202	B19040402	and the second second	W19040406	The state of the second state of the
	Total volume of leach solution (ml):	55.8	59.3		20.0	
and the		and some tak			The summer in	
	RMAL analysis number:	19263-002	19263-006		19263-010	
_	Measured uranium concentration (µg/ml):	2.54E-02	6.35E-04	The same in the	<2.00E-05	
	Uncertainty in uranium concentration (µg/ml):	2.54E-03	6.35E-05	Contraction and a second		
	Weight uranium leached (g):	1.42E-06	3.77E-08	1.45E-06	<4.00E-10	N
	Uncertainty in weight uranium leached (g):	1.43E-07	3.79E-09	1.43E-07		a state of the second state of the
	Equivalent number of leached kernels:	3.60E-03	9.56E-05	3.69E-03	1.02E-06	
-	Uncertainty in equivalent number of leached kernels:	3.64E-04	9.66E-06	3.64E-04		
at a				A STATE OF THE STATE		
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second sec
Fe	Uncorrected weight of impurity in sample (µg):					
ге	Weight of impurity in blank (µg):			and the set that we want		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		a start and a second second
Cr	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg):			A man and a second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		in the second second second
Mn	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg);			A COLORADO AND A		
1 Mill	Minimum corrected weight of impurity in sample (µg):			the state of the second state		
	Maximum corrected weight of impurity in sample (µg):					and the second strate and
	Measured concentration of impurity in sample (µg/ml);					
	Uncorrected weight of impurity in sample (µg/iii):			Со		a comparison to the second
Co	Weight of impurity in blank (µg):			the second second second		
	Minimum corrected weight of impurity in sample (µg):			A CONTRACTOR OF THE OWNER		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			INI		
Ni	Weight of impurity in blank (µg):					The second s
	Minimum corrected weight of impurity in sample (ug):			and the second second		
	Maximum corrected weight of impurity in sample (µg):	10 11 11 11 11 11 11 11 11 11 11 11 11 1				and the second
	Measured concentration of impurity in sample (µg/ml):			Ca		and the second s
	Uncorrected weight of impurity in sample (µg):					and the second se
Ca	Weight of impurity in blank (µg):			The second second second second		NAME OF TAXABLE PARTY OF TAXABLE PARTY.
	Minimum corrected weight of impurity in sample (µg):					and the second second second second
	Maximum corrected weight of impurity in sample (µg):					a star industry of the start of the start
	Measured concentration of impurity in sample (µg/ml):			AI		and the second second second second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			A REAL PROPERTY.		The sub- state of the state of the state of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	The second second				
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			marchen Provent		
Ļ	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					a subject of the second s
	Measured concentration of impurity in sample (µg/ml):			V		and the second second second
	Uncorrected weight of impurity in sample (µg):	PARTY PROPERTY				
v	Weight of impurity in blank (µg):			a stander		and the second second in the
	Minimum corrected weight of impurity in sample (µg):					and the top and the second
	Maximum corrected weight of impurity in sample (µg):					a the second

**Comments** 

Fred C. Montgomery Operator

4-18-2019 Date B-32

Data Report Form DRF-21B: Post-Burn Leach Uranium and Impurities			
Procedure:	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-07		
DRF filename:	11035_PF40 overcoated particles-Group 2_DLBL_ICPMS_DRF21R2.xls		

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	
Approximate number of particles in sample:	
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19040301	B19040403	1	W19040407	
1.50	Total volume of leach solution (ml):	54.8	58.9	and the state of the	20.0	
1000	and the second		part - States	The second s	and some the second	
	RMAL analysis number:	19263-003	19263-007	the state of the	19263-011	
	Measured uranium concentration (µg/ml):	7.25E+00	2.92E-02	C. C. C. C. C. C. C.	3.38E-04	
	Uncertainty in uranium concentration (µg/ml):	7.25E-01	2.92E-03	and the second of	3.38E-05	
-	Weight uranium leached (g):	3.97E-04	1.72E-06	3.99E-04	6.76E-09	N
	Uncertainty in weight uranium leached (g):	4.00E-05	1.73E-07	4.00E-05	7.11E-10	
	Equivalent number of leached kernels:	1.01E+00	4.37E-03	1.01E+00	1.72E-05	
100000	Uncertainty in equivalent number of leached kernels:	1.02E-01	4.41E-04	1.02E-01	1.81E-06	
	Measured concentration of impurity in sample (µg/ml);		and the second second			
	Uncorrected weight of impurity in sample (µg):			Fe		the article of the second stand
Fe	Weight of impurity in blank (µg):			No. of Concession, Name		Contraction of the Art
	Minimum corrected weight of impurity in sample (µg):			and a second second		
	Maximum corrected weight of impurity in sample (µg):	The second second				
1000	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			CI		
Cr	Weight of impurity in blank (µg):					The second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (ug):				and the second	
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			and the second		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	12 2 19 19 20		Со		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			The state of the second		and the second se
	Minimum corrected weight of impurity in sample (µg):					and the second
-	Maximum corrected weight of impurity in sample (µg):					and the second
	Measured concentration of impurity in sample (µg/ml):			Ni	1	and the second s
Ni	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):			and the second second		and the second second
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		the stand of the second
	Uncorrected weight of impurity in sample (µg):			La		Har an
Ca	Weight of impurity in blank (µq):			and the state of the		Children and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		The second second			
	Measured concentration of impurity in sample (µg/ml):			AI		and the second sec
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			the state of the s		
	Minimum corrected weight of impurity in sample (µg):					Long to the second second second
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second second		Ti		and the second
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):		1.2.2.4.4.4.4	and the second second		and the second
	Minimum corrected weight of impurity in sample (µg):					The state of the second
	Maximum corrected weight of impurity in sample (µg):					the set of the set of the set of the
	Measured concentration of impurity in sample (µg/ml):			V		And Barry and the second of the
v	Uncorrected weight of impurity in sample (µg):				A	
	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					And Road and I want to the Print
	Maximum corrected weight of impurity in sample (µg):	-				have been and the state of the state of the
	Have an endered weight of impulity in sample (µg):					and the mark many in a second

**Comments** 

Fred C. Montgomery

4\_19-2019 Date

Data Report Form DRF-218: Post-Burn Leach Uranium and Impurities			
	AGR-CHAR-DAM-21 Rev. 2		
Operator:	Montgomery		
Particle lot ID:	BWXT J52R-16-11035		
	AGR-5/6/7 overcoated particles, 40% packing fraction		
Particle sample ID:	11035-08		
DRF filename:	11035_PF40 overcoated particles-Group 2_DLBL_ICPMS_DRF21R2.xls		

Average weight per particle, mean value (g):	2.010E-03
Average weight per particle, uncertainty in mean (g):	6.4E-06
Weight of particle sample (g):	
Approximate number of particles in sample:	
Uncertainty in number of particles:	55
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19040302	B19040404		W19040408	
	Total volume of leach solution (ml):	56.5	58.5		20.0	
	The second of the second second second		And the state of the	and the second	and the second second	
	RMAL analysis number:	19263-004	19263-008	A Barrister	19263-012	
	Measured uranium concentration (µg/ml):	5.62E-02	1.18E-03	and the part of	1.93E-04	
	Uncertainty in uranium concentration (µg/ml):	5.62E-03	1.18E-04		1.93E-05	the second s
	Weight uranium leached (g):	3.18E-06	6.90E-08	3.24E-06	3.86E-09	N
	Uncertainty in weight uranium leached (g):	3.20E-07	6.95E-09	3.20E-07	4.06E-10	
-	Equivalent number of leached kernels:	8.06E-03	1.75E-04	8.23E-03	9.80E-06	
The local division of the	Uncertainty in equivalent number of leached kernels:	8.15E-04	1.77E-05	8.16E-04	1.03E-06	
10000	Management companymentian of improvide in annuals (up (rel))			and the second second	and the second second	
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Fe		and the second second second
Fe	Weight of impurity in blank (µg):					and the second se
1.0	Minimum corrected weight of impurity in sample (µg):					
1000	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		THE REPORT OF	Cr		
	Uncorrected weight of impurity in sample (µg):			01		
Cr	Weight of impurity in blank (µg):			and the second second		The second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml);		The second second	Mn		
	Uncorrected weight of impurity in sample (µg):	7. 1 C	A CALL STORE STORE			
Mn	Weight of impurity in blank (µg):			Same and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	Contraction of the second		the second second second		
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second second		and a set of the set of the set of the
	Minimum corrected weight of impurity in sample (µg):					
1	Maximum corrected weight of impurity in sample (µg):					and the second second
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			2 - Walter and the last		The product of a second second
1.1	Minimum corrected weight of impurity in sample (µg):					A MARTINE THE REAL TIME
	Maximum corrected weight of impurity in sample (µg):					and the second second second second
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Ca		and the second
Ca	Weight of impurity in blank (µg):			Contraction of the State of the State		and the second second second second
Cu	Minimum corrected weight of impurity in sample (µg):			A STATE BELLEVILLE		A STATE AND A STATE AND
	Maximum corrected weight of impurity in sample (µg):					a state to the second
_	Measured concentration of impurity in sample (µg/ml):			AI		and the second second second
	Uncorrected weight of impurity in sample (µg):			AI		
AI	Weight of impurity in blank (µg):			and a state of the second second		The second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	the second of the	Contraction of the local data	Ti		
	Uncorrected weight of impurity in sample (µg):		30.000			
Ti	Weight of impurity in blank (µg):			and the second second		and the second second second second
	Minimum corrected weight of impurity in sample (µg):		THE THE REAL STREET			
	Maximum corrected weight of impurity in sample (µg):					and the second
	Measured concentration of impurity in sample (µg/ml):			V		State of the second state of the
	Uncorrected weight of impurity in sample (µg):					
V	Weight of impurity in blank (µg):			Actual States		The state of the same
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	WET STOLEN		a been man and the		

<u>Comments</u>

Fied c. Montgomery

4-18-2019 Date

### Data Report Form DRF-22: Estimation of Average Particle Weight

Procedure:	AGR-CHAR-DAM-22 Rev. 1
Operator:	John Dyer
Particle sample ID:	11034-05-B01
Particle sample description:	BWXT overcoated LEU for LBL
Filename:	\\mc-agr\AGR\ParticleWeight\W17091501_DRF22R1.xls

	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Weight of particles (g):	0.3338	0.3362	0.3026	0.3262	0.3356
Number of particles:	163	162	146	162	166
Average weight/particle (g):	2.048E-03	2.075E-03	2.073E-03	2.014E-03	2.022E-03

Mean average weight/particle (g):	2.046E-03
Standard error in mean average weight/particle (g):	1.27E-05

July Operator

11 - 23 - 19 Date

### Data Report Form DRF-22: Estimation of Average Particle Weight

Procedure:	AGR-CHAR-DAM-22 Rev. 2
Operator:	John Hunn/Brian Eckhart
Particle sample ID:	J52R-16-11035-B00
Particle sample description:	BWXT Overcoated particles
Filename:	\\mc-agr\AGR\ParticleWeight\W18120603_DRF22R2.xls

	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Weight of particles (g):	0.4350	0.4957	0.3686	0.3644	0.4293
Number of particles:	217	246	183	182	213
Average weight/particle (g):	2.005E-03	2.015E-03	2.014E-03	2.002E-03	2.015E-03

Mean average weight/particle (g):	2.010E-03
Standard deviation in average weight/particle (g):	6.379E-06
Standard error in mean average weight/particle (g):	2.85E-06

#### Comments

Sample 3 had a large particle.

Operator

12-6-18 Date

APPENDIX C. REPORT FORMS FOR 25% PF COMPACT LBL

	AGR-CHAR-D/ Montgomery/E		A CONTRACTOR OF A CONTRACT			
Compact lot ID:			W 1528-16-14	156D		
Compact lot description:				1500		
	1225, 1287,	1227, 1241,	1223, 1309,	1221, 1240,		Standard
Compact ID numbers:	1303, 1802,	1264, 1819,	1319, 1800,	1243, 1266,	Mean	Deviation
Number	1829	1831	1805	1316		Deviation
Number of compacts: Iron	5	5	5	5		
Pre-burn leach (DRF-26A) (µg):	170.56	160.90	177.24	160.64		
Post-burn leach (DRF-26B) (µg):	230.44	254.08	177.34 193.39	160.64 205.11		
Total leached (µg):	401.00	414.98	370.72	365.75		
Fe outside SiC (µg/compact):	80.20	83.00	74.14	73.15	77.62	4.75
Chromium	00.20	03.00	74.14	/3.15	77.02	4.75
Pre-burn leach (DRF-26A) (µg):	1.88	1.69	1.95	1.50		
Post-burn leach (DRF-26B) (µg):	0.36	0.15	0.17	0.14		
Total leached (µg):	2.25	1.84	2.13	1.64		
Cr outside SiC (µg/compact):	0.45	0.37	0.43	0.33	0.39	0.06
Manganese					0.00	0.00
Pre-burn leach (DRF-26A) (µg):	2.86	2.58	2.66	2.48		
Post-burn leach (DRF-26B) (µg):	0.14	0.17	0.16	0.17		
Total leached (µg):	3.00	2.75	2.81	2.65		
Mn outside SiC (µg/compact):	0.60	0.55	0.56	0.53	0.561	0.029
Cobalt	and the second	AND STREET	a state of the		The Larry	Section 2
Pre-burn leach (DRF-26A) (µg):	0.06	0.05	0.06	0.08		
Post-burn leach (DRF-26B) (µg):	0.18	0.17	0.12	0.13		
Total leached (µg):	0.24	0.22	0.18	0.21		
Co outside SiC (µg/compact):	0.048	0.044	0.036	0.042	0.043	0.005
Nickel			12	12-1-2-13	HE WALK	The second
Pre-burn leach (DRF-26A) (µg):	2.89	2.41	2.69	3.44		
Post-burn leach (DRF-26B) (µg):	2.36	2.56	4.27	4.21		
Total leached (µg):	5.25	4.98	6.96	7.65		
Ni outside SiC (µg/compact):	1.05	1.00	1.39	1.53	1.24	0.26
Transition Metals		C. L. CARDIN				
Cr+Mn+Co+Ni outside SiC (µg/compact):	2.15	1.96	2.42	2.43	2.24	0.23
Calcium		all the second second		and a state		
Pre-burn leach (DRF-26A) (µg):	622.90	574.91	628.06	641.30		
Post-burn leach (DRF-26B) (µg):	47.26	67.76	49.95	72.16		
Total leached (μg):	670.16	642.67	678.01	713.46	and the second	The second second
Ca outside SiC (µg/compact):	134.03	128.53	135.60	142.69	135.21	5.83
Aluminum	704 67	744 70	700.01			
Pre-burn leach (DRF-26A) (μg):	794.67	744.73	783.94	773.60		
Post-burn leach (DRF-26B) (µg):	29.36	85.65	33.55	90.58		
Total leached (µg):	824.03	830.37	817.49	864.17	100.00	1 4 4 4
Al outside SiC (µg/compact):	164.81	166.07	163.50	172.83	166.80	4.16
Pre-burn leach (DRF-26A) (µg):	33.92	34.63	57.64	24.62		
Post-burn leach (DRF-26A) (µg):	16.44	27.25	22.57	24.62 25.17		
Total leached (µg):	50.36	61.88	80.22	49.79		
Ti outside SiC (µg/compact):	10.07	12.38	16.04	9.96	12.11	2.85
/anadium	20107	12.30	10.04	5.90	12.11	2.05
Pre-burn leach (DRF-26A) (µg):	20.98	19.60	21.10	19.60		
Post-burn leach (DRF-26B) (µg):	6.74	7.72	6.32	7.16		
Total leached (µg):	27.72	27.31	27.42	26.76		
V outside SiC (µg/compact):	5.54	5.46	5.48	5.35	5.46	0.08
Itanium and Vanadium				0.00	0110	0.00

Inspection Report Form IRF-B: Summary of Impurites Outside SiC - Maximum Corrected Values

Comments

Data has been verified.

Fred C. Montgomery

2-8-2018 Date

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C-3

# Inspection Report Form IRF-C: Summary of Pre-burn Leach Uranium

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction

Compact ID numbers:	1225, 1287, 1303, 1802, 1829	1227, 1241, 1264, 1819, 1831	1223, 1309, 1319, 1800, 1805	1221, 1240, 1243, 1266, 1316	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	4.3E-02	3.5E-02	2.2E-01	7.6E-02	3.7E-01

**Comments** 

2/05/2018 Pre-burn data has been verified

Fied C. Montgomery Operator

2-8-20(8 Date

## Inspection Report Form IRF-C: Summary of Pre-burn Leach Uranium

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery/Dver
	B&W J52R-16-14156C and B&W J52R-16-14156D
	AGR-5/6/7 compacts, 25% packing fraction

Compact ID numbers:		1236, 1305, 1321, 1807, 1808	1257, 1258, 1285, 1298, 1324	1277, 1279, 1314, 1812, 1828	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	4.6E-02	9.5E-01	3.1E-02	3.7E-02	1.1E+00

**Comments** 

Data has been verified.

Fiel C. Montgomery Operator

J−8·2018 Date Inspection Report Form IRF-C: Summary of Pre-burn Leach Uranium

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction

Compact ID numbers:	1801, 1834, 1818, 1826, 1830	1809, 1817, 1823, 1803, 1833	1832, 1825, 1820, 1835, 1815	1816, 1813, 1822, 1827, 1814	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	4.1E-02	4.4E-02	5.2E-02	3.4E-02	1.7E-01

Comments

Fied C. Montgomery

4-18-2019 Date

## Inspection Report Form IRF-D: Summary of Post-Burn Leach Uranium

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction

Compact ID numbers:		1227, 1241, 1264, 1819, 1831	1223, 1309, 1319, 1800, 1805	1221, 1240, 1243, 1266, 1316	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	1.3E-02	1.4E-02	1.3E-01	1.3E-02	1.7E-01

**Comments** 

2/07/2018 Post-burn data has been verified.

Fued c. Montgomeny Operator

2-8-2018 Date

## Inspection Report Form IRF-D: Summary of Post-Burn Leach Uranium

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction

Compact ID numbers:	1233, 1254, 1287, 1291, 1821	1236, 1305, 1321, 1807, 1808	1257, 1258, 1285, 1298, 1324	1277, 1279, 1314, 1812, 1828	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	1.2E+00	2.2E+00	1.5E-02	1.6E-02	3.4E+00

**Comments** 

Data has been verified.

Fred C. Montgomery Operator

2-8-2018 Date

C-8

Inspection Report Form IRF-D: Summary of Post-Burn Leach Uranium

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction

Compact ID numbers:	1801, 1834, 1818, 1826, 1830	1809, 1817, 1823, 1803, 1833	1832, 1825, 1820, 1835, 1815	1816, 1813, 1822, 1827, 1814	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	1.3E-02	2.5E-01	1.2E-02	1.3E-02	2.8E-01

Comments

Fred c. Montgomery Operator

4-18-2019

Date

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1225, 1287, 1303, 1802, 1829
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1 DRF26R3.xls

2.50	Number of compacts:	CALL ST	5	and the second
-	Average weight uranium per particle, mean value (g):		3.94E-04	Sector Sector
Ave	rage weight uranium per particle, uncertainty in mean (g):		3.94E-06	
	г	First Leach	Second Leach	Takel
_	Pre-burn leach solution ID:			Total
-	Total volume of leach solution (ml):	L17121401	L17121901	
-	Total volume of leach solution (mi);	156.0	192.0	
	Radiochemical laboratory analysis number:	17908-001	17908-006	
-	Measured uranium concentration (µg/ml):	9.25E-02	1.39E-02	
	Uncertainty in uranium concentration (µg/ml):	9.25E-03	1.39E-03	
-	Weight uranium leached (g):	1.44E-05	2.67E-06	1.71E-05
	Uncertainty in weight uranium leached (g):	1.44E-06	2.67E-07	1.47E-06
2105	Equivalent number of leached kernels:	3.66E-02	6.77E-03	4.34E-02
1	Uncertainty in equivalent number of leached kernels:	3.68E-03	6.81E-04	3.75E-03
En	and the second at the second second second		and the second second	at the state
L	Measured concentration of impurity in sample (µg/ml):	8.79E-01	1.72E-01	Fe
	Uncorrected weight of impurity in sample (µg):	137.12	33.02	174.86
e	Weight of impurity in blank (µg):	3.41	< 1.67	Star Long
H	Minimum corrected weight of impurity in sample (µg):	133.71	31.35	168.88
_	Maximum corrected weight of impurity in sample (µg):	133.71	33.02	170.56
H	Measured concentration of impurity in sample (µg/ml):	7.57E-03	3.66E-03	Cr
	Uncorrected weight of impurity in sample (µg):	1.18	0.70	1.88
r 🗆	Weight of impurity in blank (µg):	< 0.57	< 0.57	ache all the
-	Minimum corrected weight of impurity in sample (µg):	0.61	0.13	0.74
-	Maximum corrected weight of impurity in sample (µg):	1.18	0.70	1.88
-	Measured concentration of impurity in sample (µg/ml):	1.42E-02	3.08E-03	Mn
Mn	Uncorrected weight of impurity in sample (µg):	2.22	0.59	2.91
	Weight of impurity in blank (µg):	< 0.10	< 0.10	2.67
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	2.12	0.49	2.67
+	Maximum corrected weight or impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	4.16E-04	7.16E-05	2.86
-	Uncorrected weight of impurity in sample (µg/mi):	4.16E-04	0.01	0.08
, H	Weight of impurity in blank (µg):	0.08	< 0.01	0.08
	Minimum corrected weight of impurity in sample (µg):	0.02	0.01	0.05
F	Maximum corrected weight of impurity in sample (µg):	0.05	0.01	0.05
+	Measured concentration of impurity in sample (µg/ml):	9.42E-03	< 7.40E-03	Ni
F	Uncorrected weight of impurity in sample (µg):	1.47	< 1.42	< 2.89
F	Weight of impurity in blank (µg):	< 1.45	< 1.45	~ 2.03
F	Minimum corrected weight of impurity in sample (µg):	0.02	0.00	0.02
	Maximum corrected weight of impurity in sample (µg):	1.47	1.42	2.89
	Measured concentration of impurity in sample (µg/ml):	3.22E+00	6.28E-01	Ca
	Uncorrected weight of impurity in sample (µg):	502.32	120.58	622,90
• E	Weight of impurity in blank (µg):	<65.27	<65.27	and the second second
	Minimum corrected weight of impurity in sample (µg):	437.05	55.31	492.36
	Maximum corrected weight of impurity in sample (µg):	502.32	120.58	622.90
	Measured concentration of impurity in sample (µg/ml):	4.13E+00	7.67E-01	AI
. –	Uncorrected weight of impurity in sample (µg):	644.28	147.26	811.38
ı۲	Weight of impurity in blank (µg):	7.70	3.94	A COLORADO
H	Minimum corrected weight of impurity in sample (µg):	636.58	143.32	794.67
-	Maximum corrected weight of impurity in sample (µg):	636.58	143.32	794.67
H	Measured concentration of impurity in sample (µg/ml):	9.25E-02	6.34E-02	Ti
H	Uncorrected weight of impurity in sample (µg):	14.43	12.17	33.92
F	Weight of impurity in blank (µg):	< 1.04	< 1.04	24.57
H	Minimum corrected weight of impurity in sample (µg):	13.39	11.14	31.57
+	Maximum corrected weight of impurity in sample (µg):	14.43	12.17	33.92
H	Measured concentration of impurity in sample (µg/ml):	1.01E-01	2.28E-02	V
,	Uncorrected weight of impurity in sample (µg):	15.76 < 0.03	4.38	20.98
-	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):	< 0.03	< 0.03	20.92
-	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	15.76	4.35	20.92

Water rinse	Include if > 10% of 2nd leach
W17121901	
182.0	
the second second	
171908-011	
1.42E-03	
1.42E-04	
2.58E-07	N
2.59E-08	
6.56E-04	
6.60E-05	
and in the second	
2.59E-02	
4.71	Y
0.89	
3.82	
3.82	
< 2.91E-03	
< 0.53	N
< 0.15	the second s
0.00	
0.53	
5.83E-04	the stand of the state of the state of the state of the
0.11	Y
0.05	the state of the s
0.06	
0.06	
< 3.52E-05	
< 0.01	N
< 0.00	All a stand was a stand of the
0.00	
0.01	
< 7.40E-03	and the second sec
< 1.35	N
< 0.38	
0.00	
1.35	
< 3.33E-01	the second se
<60.61	N
<17.32	and the second second second
0.00	
60.61	and the second second second
1.09E-01	and the second sec
19.84	Y
5.07	and the second for the second second
14.77	a second and a second and
14.77	The Party of the second s
4.02E-02	a proved and the second second
7.32	Y
< 0.28	The second s
7.04	the application of the second second
7.32	the state of the state of the state of
4.66E-03	The state of the second state of the
0.85	Y
< 0.01	and the second se
	the second where the second second second
0.84	the second se

Fied C. Mentgomery 2-8-2018

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1227, 1241, 1264, 1819, 1831
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1 DRF26R3.xls

	Number of compacts:		5	
A.v.o	Average weight uranium per particle, mean value (g): rage weight uranium per particle, uncertainty in mean (g):		3.94E-04 3.94E-06	
Ave	rage weight dramum per particle, uncertainty in mean (g):		3.94E-00	CHIEF CONTRACTOR
		First Leach	Second Leach	Total
	Pre-burn leach solution ID:	L17121402	L17121902	
	Total volume of leach solution (ml):	144.0	182.0	
S.F.F				
	Radiochemical laboratory analysis number:	17908-002	17908-007	
	Measured uranium concentration (µg/ml):	7.94E-02	1.30E-02	
-	Uncertainty in uranium concentration (µg/ml):	7.94E-03	1.30E-03	- Free -
_	Weight uranium leached (g): Uncertainty in weight uranium leached (g):	1.14E-05	2.37E-06	1.38E-05
-	Equivalent number of leached kernels:	1.14E-06 2.90E-02	2.37E-07	1.17E-06
	Uncertainty in equivalent number of leached kernels:	2.90E-02 2.92E-03	6.01E-03 6.04E-04	3.50E-02 2.99E-03
(Net)	oncertainty in equivalent hamber of feached kentels.	2.922-03	0.04E-04	2.99E-03
	Measured concentration of impurity in sample (µg/ml):	9.01E-01	1.74E-01	Fe
ŀ	Uncorrected weight of impurity in sample (µg):	129.74	31.67	165.21
e	Weight of impurity in blank (µg):	3.41	< 1.67	TODIET
t	Minimum corrected weight of impurity in sample (µg):	126.33	29.99	159.23
	Maximum corrected weight of impurity in sample (µg):	126.33	31.67	160.90
	Measured concentration of impurity in sample (µg/ml):	7.30E-03	3.51E-03	Cr
	Uncorrected weight of impurity in sample (µg):	1.05	0.64	1.69
ir [	Weight of impurity in blank (µg):	< 0.57	< 0.57	Section of the sectio
H	Minimum corrected weight of impurity in sample (µg):	0.48	0.07	0.55
-	Maximum corrected weight of impurity in sample (µg):	1.05	0.64	1.69
H	Measured concentration of impurity in sample (µg/ml):	1.47E-02	2.55E-03	Mn
in H	Uncorrected weight of impurity in sample (µg):	2.12	0.46	2.58
"'  -	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):	< 0.10 2.02	< 0.10	2.20
H	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	2.02	0.37 0.46	2.39
	Measured concentration of impurity in sample (µg/ml):	3.91E-04	6.52E-05	Co
H	Uncorrected weight of impurity in sample (µg):	0.06	0.01	0.07
• F	Weight of impurity in blank (µg):	0.02	< 0.01	0.07
	Minimum corrected weight of impurity in sample (µg):	0.04	0.00	0.04
	Maximum corrected weight of impurity in sample (µg):	0.04	0.01	0.05
	Measured concentration of impurity in sample (µg/ml):	< 7.40E-03	< 7.40E-03	Ni
. [	Uncorrected weight of impurity in sample (µg):	< 1.07	< 1.35	< 2.41
Π	Weight of impurity in blank (µg):	< 1.45	< 1.45	12 1 1 2 1 2
e H	Minimum corrected weight of impurity in sample (µg):	0.00	0.00	0.00
-	Maximum corrected weight of impurity in sample (µg):	1.07	1.35	2.41
H	Measured concentration of impurity in sample (µg/ml):	3.20E+00	6.27E-01	Ca
a ⊦	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):	460.80	114.11 <65.27	574.91
	Minimum corrected weight of impurity in sample (µg):	395.53	<65.27 48.85	444.38
H	Maximum corrected weight of impurity in sample (µg):	460.80	48.85	444.38 574.91
-	Measured concentration of impurity in sample (µg/ml):	4.16E+00	8.05E-01	AI
	Uncorrected weight of impurity in sample (µg):	599.04	146.51	761.44
	Weight of impurity in blank (µg):	7.70	3.94	and the second
	Minimum corrected weight of impurity in sample (µg):	591.34	142.57	744.73
	Maximum corrected weight of impurity in sample (µg):	591.34	142.57	744.73
	Measured concentration of impurity in sample (µg/ml):	1.01E-01	7.08E-02	Ti
.  -	Uncorrected weight of impurity in sample (µg):	14.54	12.89	34.63
i F	Weight of impurity in blank (µg):	< 1.04	< 1.04	and the second
H	Minimum corrected weight of impurity in sample (µg):	13.51	11.85	32.28
-	Maximum corrected weight of impurity in sample (µg):	14.54	12.89	34.63
H	Measured concentration of impurity in sample (µg/ml):	9.90E-02	2.48E-02	V
H	Uncorrected weight of impurity in sample (µg):	14.26	4.51	19.60
F	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):	< 0.03 14.23	< 0.03 4.49	19.54
-	Maximum corrected weight of impurity in sample (µg):	14.23	4.49	19.54

Water rinse	Include if > 10% of 2nd leach
W17121902	and the second
116.0	
17908-012	
2.10E-03	
2.10E-04	and the second s
2.44E-07	N
2.44E-08	
6.18E-04	
6.22E-05	
and the state of t	
3.27E-02	
3.79	Y
0.89	
2.90	
2.90	
< 2.91E-03	The second state of the se
< 0.34	N
< 0.15	
0.00 0.34	
< 4.92E-04	
< 0.06	N
0.05	19
0.00	
0.01	
< 3.52E-05	
< 0.00	N
< 0.00	The state of the second st
0.00	
0.00	
< 7.40E-03	and the second sec
< 0.86	N
< 0.38	
0.00	
0.86	A STATE OF A STATE OF A STATE
< 3.33E-01	Product of the state of the second second
<38.63	N
<17.32	
0.00 38.63	
1.37E-01	
15.89	Y
5.07	The second s
10.82	
10.82	
6.21E-02	
7.20	Y
< 0.28	the second s
6.93	
7.20	Things the state of the
7.12E-03	A State of the second second
0.83	Y
< 0.01	and the second s
0.82	The second s
0.83	

Fied C. Montgomeny 2-8-18

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1223, 1309, 1319, 1800, 1805
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1_DRF26R3.xls

	Number of compacts:		5	C. See Lawy
	Average weight uranium per particle, mean value (g):		3.94E-04	
Ave	rage weight uranium per particle, uncertainty in mean (g):	N. LOVINS I	3.94E-06	1942
	,			
		First Leach	Second Leach	Total
	Pre-burn leach solution ID:	L17121403	L17121903	and the
1.6.6	Total volume of leach solution (ml):	156.0	208.0	
		and the second second	and the second second second	
	Radiochemical laboratory analysis number:	17908-003	1798-008	
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	4.72E-01 4.72E-02	5.43E-02 5.43E-03	
	Weight uranium leached (g):	4.72E-02 7.36E-05	5.43E-03 1.13E-05	8.49E-05
	Uncertainty in weight uranium leached (g):	7.37E-06	1.13E-05	7.46E-06
-	Equivalent number of leached kernels:	1.87E-01	2.87E-02	2.16E-01
	Uncertainty in equivalent number of leached kernels:	1.88E-02	2.88E-03	1.90E-02
-	The second state of the second state	Senter Street	in the second	State State
	Measured concentration of impurity in sample (µg/ml):	9.34E-01	1.50E-01	Fe
	Uncorrected weight of impurity in sample (µg):	145.70	31.20	181.64
e	Weight of impurity in blank (µg):	3.41	< 1.67	
H	Minimum corrected weight of impurity in sample (µg):	142.29	29.53	175.66
-	Maximum corrected weight of impurity in sample (µg):	142.29	31.20	177.34
-	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	8.65E-03 1.35	< 2.91E-03 < 0.61	Cr < 1.95
or H	Weight of impurity in blank (µg):	< 0.57	< 0.61	< 1.95
. F	Minimum corrected weight of impurity in sample (µg):	0.78	0.00	0.78
	Maximum corrected weight of impurity in sample (µg):	1.35	0.61	1.95
	Measured concentration of impurity in sample (µg/ml):	1.41E-02	2.19E-03	Mn
	Uncorrected weight of impurity in sample (µg):	2.20	0.46	2.66
1n [	Weight of impurity in blank (µg):	< 0.10	< 0.10	The second
	Minimum corrected weight of impurity in sample (µg):	2.10	0.36	2.46
-	Maximum corrected weight of impurity in sample (µg):	2.20	0.46	2.66
-	Measured concentration of impurity in sample (µg/ml):	4.44E-04	6.32E-05	Co
H	Uncorrected weight of impurity in sample (µg):	0.07	0.01	0.08
~  -	Weight of impurity in blank (µg):	0.02	< 0.01	0.00
H	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	0.05	0.01 0.01	0.06
-	Measured concentration of impurity in sample (µg/ml):	< 7.40E-03	< 7.40E-03	Ni
	Uncorrected weight of impurity in sample (µg):	< 1.15	< 1.54	< 2,69
vi 🗖	Weight of impurity in blank (µg):	< 1.45	< 1.45	< 2.05
	Minimum corrected weight of impurity in sample (µg):	0.00	0.00	0.00
	Maximum corrected weight of impurity in sample (µg):	1.15	1.54	2.69
L	Measured concentration of impurity in sample (µg/ml):	3.25E+00	5.82E-01	Ca
	Uncorrected weight of impurity in sample (µg):	507.00	121.06	628.06
a [	Weight of impurity in blank (µg):	<65.27	<65.27	
	Minimum corrected weight of impurity in sample (µg):	441.73	55.79	497.52
-	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	507.00 4.08E+00	121.06 6.97E-01	628.06
H	Uncorrected weight of impurity in sample (µg):	636.48	144.98	AI 800,66
	Weight of impurity in blank (µg):	7.70	3.94	000.00
	Minimum corrected weight of impurity in sample (µg):	628.78	141.04	783.94
	Maximum corrected weight of impurity in sample (µg):	628.78	141.04	783.94
	Measured concentration of impurity in sample (µg/ml):	1.61E-01	1.03E-01	Ti
	Uncorrected weight of impurity in sample (µg):	25.12	21.42	57.64
ïΓ	Weight of impurity in blank (µg):	< 1.04	< 1.04	Same and
	Minimum corrected weight of impurity in sample (µg):	24.08	20.39	55.30
	Maximum corrected weight of impurity in sample (µg):	25.12	21.42	57.64
H	Measured concentration of impurity in sample (µg/ml):	1.03E-01	2.06E-02	V
,	Uncorrected weight of impurity in sample (µg):	16.07	4.28	21.10
۲ H	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):	< 0.03 16.04	< 0.03 4.26	21.04
		16.04	4.20	21.04 21.10
	Maximum corrected weight of impurity in sample (µg):			

Water rinse	Include if > 10% of 2nd leach
W17121903	La Compañía de la com
160.0	
Ser Part	
17908-013	
7.34E-03	
7.34E-04	
1.17E-06	N
1.18E-07	
2.98E-03	
3.00E-04	
AND A DESCRIPTION OF THE	
2.96E-02	
4.74	Y
0.89	and the second sec
3.84	
3.84	
< 2.91E-03	
< 0.47	N
< 0.15	and the second s
0.00	
0.47	
< 4.92E-04	
< 0.08	N
0.05	the state of the s
0.00	the second s
0.03	and the second second second second second second
< 3.52E-05	the state of the state of the state of the
< 0.01	N
< 0.00	and the second sec
0.00	and the second of the second sec
0.01	
< 7.40E-03	and all and a second
< 1.18	N
< 0.38	
0.00	
1.18	
< 3.33E-01	A CONTRACTOR OF THE SECOND
<53.28	N
<17.32	Provide the second second second
0.00	and a manufacture of the second
53.28	the second state of the
1.20E-01	
19.20	Y
5.07	
14.13	the second s
14.13	All the second states of the second states of the
6.94E-02	and the second sec
11.10	Y
< 0.28	The same of the second second second
10.83	the second s
11.10	
4.65E-03	and the second second second second
0.74	Y
< 0.01	a company of the second s
0.74	
0.74	and the second s
0171	the state of the s

Fred C. Mintgomery 2-8-2018 Operator Date

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1221, 1240, 1243, 1266, 1316
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1 DRF26R3.xls
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1_DRF26R3.xls

Number of compactor

	Number of compacts:		5	
	Average weight uranium per particle, mean value (g):		3.94E-04	
Ave	rage weight uranium per particle, uncertainty in mean (g):		3.94E-06	
	1			
_		First Leach	Second Leach	Total
	Pre-burn leach solution ID:	L17121404	L17121904	and the sea
	Total volume of leach solution (ml):	182.0	180.0	and the second
	Radiochemical laboratory analysis number:	17908-004	17908-009	P. L. Station
	Measured uranium concentration (µg/ml):	1.46E-01	1.78E-02	The states
-	Uncertainty in uranium concentration (µg/ml):	1.46E-01	1.78E-02	
-	Weight uranium leached (g):	2.66E-05	3.20E-06	2.98E-05
	Uncertainty in weight uranium leached (g):	2.66E-06	3.21E-07	2.68E-06
	Equivalent number of leached kernels:	6.74E-02	8.13E-03	7.56E-02
	Uncertainty in equivalent number of leached kernels:	6.78E-03	8.18E-04	6.84E-03
18.	A LARN BOTH THE A DESCRIPTION OF THE REAL OF	Stars Stars	the state of the	and the state of the
	Measured concentration of impurity in sample (µg/ml):	7.56E-01	1.32E-01	Fe
	Uncorrected weight of impurity in sample (µg):	137.59	23.76	164.95
e	Weight of impurity in blank (µg):	3.41	< 1.67	
	Minimum corrected weight of impurity in sample (µg):	134.18	22.09	158.97
	Maximum corrected weight of impurity in sample (µg):	134.18	23.76	160.64
H	Measured concentration of impurity in sample (µg/ml):	4.83E-03	3.44E-03	Cr
-	Uncorrected weight of impurity in sample (µg):	0.88	0.62	1.50
<b>۲</b>	Weight of impurity in blank (µg):	< 0.57	< 0.57	The second second
H	Minimum corrected weight of impurity in sample (µg):	0.31	0.05	0.36
-	Maximum corrected weight of impurity in sample (µg):	0.88	0.62	1.50
H	Measured concentration of impurity in sample (µg/ml):	1.19E-02	1.72E-03	Mn
n H	Uncorrected weight of impurity in sample (µg):	2.17	0.31	2.48
"  -	Weight of impurity in blank (µg):	< 0.10	< 0.10	the second second
H	Minimum corrected weight of impurity in sample (µg):	2.07	0.21	2.28
-	Maximum corrected weight of impurity in sample (µg):	2.17	0.31	2.48
	Measured concentration of impurity in sample (µg/ml):	4.26E-04	7.72E-05	Co
• +	Uncorrected weight of impurity in sample (µg):	0.08	0.01	0.10
╹⊢	Weight of impurity in blank (µg):	0.02	< 0.01	0.07
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	0.06	0.01	0.07
-	Measured concentration of impurity in sample (µg/ml):	1.16E-02	< 7.40E-03	0.08 Ni
H	Uncorrected weight of impurity in sample (µg):	2.11	< 1.33	< 3.44
ı H	Weight of impurity in blank (µg):	< 1.45	< 1.45	< 3.44
' F	Minimum corrected weight of impurity in sample (µg):	0.66	0.00	0.66
	Maximum corrected weight of impurity in sample (µg):	2.11	1.33	3.44
-	Measured concentration of impurity in sample (µg/ml):	3.04E+00	4.89E-01	Ca
	Uncorrected weight of impurity in sample (µg):	553.28	88.02	641.30
a	Weight of impurity in blank (µg):	<65.27	<65.27	011.00
	Minimum corrected weight of impurity in sample (µg):	488.01	22.75	510.76
	Maximum corrected weight of impurity in sample (µg):	553.28	88.02	641.30
	Measured concentration of impurity in sample (µg/ml):	3.62E+00	6.35E-01	Al
	Uncorrected weight of impurity in sample (µg):	658.84	114.30	790.31
· [	Weight of impurity in blank (µg):	7.70	3.94	and the second second
Г	Minimum corrected weight of impurity in sample (µg):	651.14	110.36	773.60
	Maximum corrected weight of impurity in sample (µg):	651.14	110.36	773.60
L	Measured concentration of impurity in sample (µg/ml):	6.20E-02	3.52E-02	Ti
	Uncorrected weight of impurity in sample (µg):	11.28	6.34	24.62
	Weight of impurity in blank (µg):	< 1.04	< 1.04	1 23 34 12
	Minimum corrected weight of impurity in sample (µg):	10.25	5.30	22.27
	Maximum corrected weight of impurity in sample (µg):	11.28	6.34	24.62
	Measured concentration of impurity in sample (µg/ml):	7.97E-02	2.10E-02	v
L	Uncorrected weight of impurity in sample (µg):	14.51	3.78	19.60
	Weight of impurity in blank (µg):	< 0.03	< 0.03	in the second
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	14.48	3.75	19.54
		14.51	3.78	19.60

Water rinse	Include if > 10% of 2nd leach
W17121904	
148.0	
17908-014	
3.12E-03	
3.12E-04	
4.62E-07	N
4.62E-07	
1.17E-03	
1.18E-04	
2 425 02	
2.43E-02	and the second second second
3.60	Y
0.89	
2.70	
2.70	
< 2.91E-03	and the second s
< 0.43	N
< 0.15	and the state of the second
0.00	
0.43	
< 4.92E-04	
< 0.07	N
0.05	a manufacture and a second
0.00	
0.02	
4.40E-05	
0.01	Y
< 0.00	A STREET AND A STREET AND
0.00	
0.01	
< 7.40E-03	
< 1.10	N
< 0.38	State of the state
0.00	
1.10	
< 3.33E-01	
<49.28	N
	IN
<17.32	
0.00	
49.28	
1.16E-01	and the part of the second sec
17.17	Y
5.07	
12.10	
12.10	
4.73E-02	The state of the second st
7.00	Y
< 0.28	a second a second
6.73	
7.00	
8.90E-03	
1.32	Y
< 0.01	The same the state of the
1.31	
1.32	
1.02	the second s

Fied C. Montgominy 2-8-2018 Operator Date

### Data Report Form DRF-26A: Pre-Burn Leach Uranium and Impurities

	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	Pre-burn leach blank
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1_DRF26R3.xls

Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total
<b>水舟</b> (4)	Pre-burn leach solution ID:	L17121405	L17121905	The second second
	Total volume of leach solution (ml):	196.0	196.0	and the second second
1200			and the second second	
	Radiochemical laboratory analysis number:	17908-005	17908-010	State of the state of the state
	Measured uranium concentration (µg/ml):	1.76E-04	5.84E-05	the second second
	Uncertainty in uranium concentration (µg/ml):	1.76E-05	5.84E-06	The second second
1.72	Weight uranium leached (g):	3.45E-08	1.14E-08	4.59E-08
	Uncertainty in weight uranium leached (g):	3.45E-09	1.15E-09	3.64E-09
14212	Equivalent number of leached kernels:	8.76E-05	2.91E-05	1.17E-04
. State De	Uncertainty in equivalent number of leached kernels:	8.80E-06	2.92E-06	9.30E-06
and the second			And the second second	
Fe	Measured concentration (µg/ml):	1.74E-02	< 8.54E-03	Fe
	Total weight of leached impurity (µg):	3.41	< 1.67	< 5.98
Cr	Measured concentration (µg/ml):	< 2.91E-03	< 2.91E-03	Cr
	Total weight of leached impurity (µg):	< 0.57	< 0.57	< 1.14
Mn	Measured concentration (µg/ml):	< 4.92E-04	< 4.92E-04	Mn
Pill	Total weight of leached impurity (µg):	< 0.10	< 0.10	< 0.24
Co	Measured concentration (µg/ml):	1.00E-04	< 3.52E-05	Со
	Total weight of leached impurity (µg):	0.02	< 0.01	< 0.03
Ni	Measured concentration (µg/ml):	< 7.40E-03	< 7.40E-03	Ni
	Total weight of leached impurity (µg):	< 1.45	< 1.45	< 2.90
Ca	Measured concentration (µg/ml):	< 3.33E-01	< 3.33E-01	Ca
Cu	Total weight of leached impurity (µg):	<65.27	<65.27	<130.54
AL	Measured concentration (µg/ml):	3.93E-02	2.01E-02	AI
~	Total weight of leached impurity (µg):	7.70	3.94	16.71
Ti	Measured concentration (µg/ml):	< 5.29E-03	< 5.29E-03	Ti
	Total weight of leached impurity (µg):	< 1.04	< 1.04	< 2.07
v	Measured concentration (µg/ml):	< 1.33E-04	< 1.33E-04	V
	Total weight of leached impurity (µg):	< 0.03	< 0.03	< 0.05

#### **Comments**

FCM checked the data against the Official Results of Analyses report for RMAL17908 on 2/5/2018.

Fied C. Montgomery

2-8-2018

Date

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Data Report For	m DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1225, 1287, 1303, 1802, 1829
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1 DRF26R3.xls

	Number of compacts:		5	
	Average weight uranium per particle, mean value (g):	3.94E-04		
Av	erage weight uranium per particle, uncertainty in mean (g):		3.94E-06	
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	B18010401	B18010801	- All - All -
1.1	Total volume of leach solution (ml):	48.0	54.2	
1		a second		
	Radiochemical laboratory analysis number:	18063-001	18063-006	
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	1.03E-01 1.03E-02	2.61E-03 2.61E-04	
	Weight uranium leached (g):	4.94E-06	2.61E-04 1.41E-07	5.09E-06
_	Uncertainty in weight uranium leached (g):	4.94E-00 4.99E-07	1.41E-07	4.99E-07
1.141	Equivalent number of leached kernels:	1.25E-02	3.59E-04	1.29E-02
	Uncertainty in equivalent number of leached kernels:	1.27E-03	3.63E-05	1.27E-03
10.0		ALL/L 00	STORE OF	TIE/E 05
1	Measured concentration of impurity in sample (µg/ml):	4.73E+00	9.58E-02	Fe
100	Uncorrected weight of impurity in sample (µg):	227.04	5.19	232.23
Fe	Weight of impurity in blank (µg):	1.06	0.73	China and All
-	Minimum corrected weight of impurity in sample (µg):	225.98	4.46	230.44
	Maximum corrected weight of impurity in sample (µg):	225.98	4.46	230.44
	Measured concentration of impurity in sample (µg/ml):	1.09E-02	< 2.91E-03	Cr
1	Uncorrected weight of impurity in sample (µg):	0.52	< 0.16	< 0.68
Cr	Weight of impurity in blank (µg):	0.16	0.20	12
	Minimum corrected weight of impurity in sample (µg):	0.36	0.00	0.36
1	Maximum corrected weight of impurity in sample (µg):	0.36	0.00	0.36
11	Measured concentration of impurity in sample (µg/ml):	3.69E-03	< 4.92E-04	Mn
Mn	Uncorrected weight of impurity in sample (µg):	0.18	< 0.03	< 0.20
m	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			0.14
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	0.14	0.00	0.14
-	Measured concentration of impurity in sample (µg/ml):	3.74E-03	1.33E-04	0.14 Co
	Uncorrected weight of impurity in sample (µg):	0.18	0.01	0.19
Co	Weight of impurity in blank (µg):	0.00	0.00	0.19
	Minimum corrected weight of impurity in sample (µg):	0.18	0.00	0.18
3	Maximum corrected weight of impurity in sample (µg):	0.18	0.00	0.18
	Measured concentration of impurity in sample (ug/ml):	4.08E-02	< 7.40E-03	Ni
	Uncorrected weight of impurity in sample (µg):	1.96	< 0.40	< 2.36
Ni	Weight of impurity in blank (µg):	< 0.35	< 0.34	THE AND THE
	Minimum corrected weight of impurity in sample (µg):	1.61	0.00	1.61
22	Maximum corrected weight of impurity in sample (µg):	1.96	0.40	2.36
	Measured concentration of impurity in sample (µg/ml):	9.58E-01	< 3.33E-01	Ca
	Uncorrected weight of impurity in sample (µg):	45.98	<18.05	<64.03
Ca	Weight of impurity in blank (µg):	<15.65	16.77	a management
-	Minimum corrected weight of impurity in sample (µg):	30.33	0.00	30.33
-	Maximum corrected weight of impurity in sample (µg):	45.98	1.28	47.26
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	7.34E-01 35.23	1.83E-01 9.92	AI 45.15
AI	Weight of impurity in blank (µg):	5.88	11.46	45.15
	Minimum corrected weight of impurity in sample (µg):	29.36	0.00	29.36
	Maximum corrected weight of impurity in sample (µg):	29.36	0.00	29.36
	Measured concentration of impurity in sample (µg/ml):	2.88E-01	4.82E-02	29.30 Ti
	Uncorrected weight of impurity in sample (µg):	13.82	2.61	16.44
Ti	Weight of impurity in blank (µg):	< 0.25	< 0.24	10.14
	Minimum corrected weight of impurity in sample (µg):	13.58	2.37	15.94
1	Maximum corrected weight of impurity in sample (µg):	13.82	2.61	16.44
	Measured concentration of impurity in sample (µg/ml):	1.39E-01	1.61E-03	V
	Uncorrected weight of impurity in sample (µg):	6.67	0.09	6.76
v	Weight of impurity in blank (µg):	0.02	< 0.01	
	Minimum corrected weight of impurity in sample (µg):	6.65	0.08	6.73
11-1	Maximum corrected weight of impurity in sample (µg):			

Water rinse	Include if > 10% of 2nd leach
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21.0	and the first and the second s
18063-011	
3.83E-04	
3.83E-05	
8.04E-09	N
8.42E-10	
2.04E-05	
2.15E-06	and a state of the
1.43E-02	
0.30	N
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0.00	and the second sec

Fuel C. Montgomery 2-8-2018

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1227, 1241, 1264, 1819, 1831

Number of compacts:

	Average weight uranium per particle, mean value (g):		3.94E-04	
Ave	rage weight uranium per particle, uncertainty in mean (g):	3.94E-06		
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	B18010402	B18010802	
	Total volume of leach solution (ml):	44.0	50.2	
1		the second second	and the second second	
	Radiochemical laboratory analysis number:	18063-002	18063-007	
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	1.21E-01	2.32E-03	
-	Weight uranium leached (g):	1.21E-02 5.32E-06	2.32E-04 1.16E-07	E 44E 00
-	Uncertainty in weight uranium leached (g):	5.38E-07	1.17E-08	5.44E-06 5.38E-07
	Equivalent number of leached kernels:	1.35E-02	2.96E-04	1.38E-02
1 53	Uncertainty in equivalent number of leached kernels:	1.37E-03	3.00E-05	1.37E-03
the second				
	Measured concentration of impurity in sample (µg/ml):	5.72E+00	8.34E-02	Fe
	Uncorrected weight of impurity in sample (µg):	251.68	4.19	255.87
e	Weight of impurity in blank (µg):	1.06	0.73	A STATISTICS
H	Minimum corrected weight of impurity in sample (µg):	250.62	3.46	254.08
-	Maximum corrected weight of impurity in sample (µg):	250.62	3.46	254.08
+	Measured concentration of impurity in sample (µg/ml):	7.15E-03	< 2.91E-03	Cr
r  -	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):	0.31 0.16	< 0.15 0.20	< 0.46
1	Minimum corrected weight of impurity in sample (µg):	0.15	0.20	0.15
H	Maximum corrected weight of impurity in sample (µg):	0.15	0.00	0.15
	Measured concentration of impurity in sample (µg/ml):	4.87E-03	< 4.92E-04	Mn
F	Uncorrected weight of impurity in sample (µg):	0.21	< 0.02	< 0.24
۱Ľ	Weight of impurity in blank (µg):	0.04	0.04	
E	Minimum corrected weight of impurity in sample (µg):	0.17	0.00	0.17
	Maximum corrected weight of impurity in sample (µg):	0.17	0.00	0.17
F	Measured concentration of impurity in sample (µg/ml):	3.97E-03	8.28E-05	Co
H	Uncorrected weight of impurity in sample (µg):	0.17	0.00	0.18
•	Weight of impurity in blank (µg):	0.00	0.00	and same
H	Minimum corrected weight of impurity in sample (µg):	0.17	0.00	0.17
+	Maximum corrected weight of impurity in sample (µg):	0.17	0.00	0.17
H	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	4.98E-02 2.19	< 7.40E-03	Ni
i H	Weight of impurity in blank (µg):	< 0.35	< 0.37 < 0.34	< 2.56
	Minimum corrected weight of impurity in sample (µg):	< 0.35	< 0.34	1.84
F	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	2.19	0.37	2.56
	Measured concentration of impurity in sample (µg/ml):	1.54E+00	< 3.33E-01	Ca
F	Uncorrected weight of impurity in sample (µg):	67.76	<16.72	<84.48
	Weight of impurity in blank (µg):	<15.65	16.77	
E	Minimum corrected weight of impurity in sample (µg):	52.11	0.00	52.11
	Maximum corrected weight of impurity in sample (µg):	67.76	0.00	67.76
H	Measured concentration of impurity in sample (µg/ml):	2.08E+00	1.80E-01	Al
	Uncorrected weight of impurity in sample (µg):	91.52	9.04	100.56
۱F	Weight of impurity in blank (µg):	5.88	11.46	
H	Minimum corrected weight of impurity in sample (µg):	85.65	0.00	85.65
+	Maximum corrected weight of impurity in sample (µg):	85.65	0.00	85.65
H	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	5.87E-01 25.83	2.83E-02 1.42	Ti 27.25
F	Weight of impurity in blank (µg):	< 0.25	< 0.24	21.25
F	Minimum corrected weight of impurity in sample (µg):	25.58	1.18	26.76
F	Maximum corrected weight of impurity in sample (µg):	25.83	1.42	27.25
	Measured concentration of impurity in sample (µg/ml):	1.74E-01	1.65E-03	V
F	Uncorrected weight of impurity in sample (µg):	7.66	0.08	7.74
	Weight of impurity in blank (µg):	0.02	< 0.01	and the second in
	Minimum corrected weight of impurity in sample (µg):	7.64	0.08	7.71
	Maximum corrected weight of impurity in sample (µg):	7.64	0.08	7.72

Water rinse	Include if > 10% of 2nd leach
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20.0	
Carlos and	
18063-012	
4.17E-04	
4.17E-05	
8.34E-09	N
8.77E-10	a contract of the second of th
2.12E-05	
2.24E-06	
LIL IL OU	
1.91E-02	
0.38	N
0.15	Street St
0.23	
0.23	
< 2.91E-03	
< 0.06	N
0.04	A DECISION OF THE OWNER
0.00	
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< 4.92E-04	
< 0.01	N
0.01	19
0.00	
0.00	
< 3.52E-05	
< 0.00	N
< 0.00	IN
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0.00	
< 7.40E-03	
< 0.15	N
< 0.11	14
0.00	
0.15	
< 3.33E-01	
< 6.66	N
< 5.00	N
0.00	
6.66	
3.18E-02	
0.64	N
1.09	IN
0.00	
0.00	
< 5.29E-03	
< 0.11	N
< 0.11	IN
0.00	
0.00	
3.18E-04	Al and a second second
0.01	N
< 0.00	
0.00	
0.01	

FCM checked the data against the Official Results of Analyses report for RMAL18063 on 2/7/2018.

Comments

Fued C\_ Mentgomery 2-8-2018 Operator Date

Data Report Form DRF-26B: Post-Burn Leach Uranium and Impurities			
AGR-CHAR-DAM-26 Rev. 3			
: Montgomery/Dyer			
: B&W J52R-16-14156C and B&W J52R-16-14156D			
AGR-5/6/7 compacts, 25% packing fraction			
: 1223, 1309, 1319, 1800, 1805			
: \\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1_DRF26R3.xls			

Number of compacter

	Number of compacts:		5	
n é.L	Average weight uranium per particle, mean value (g):			
Aver	age weight uranium per particle, uncertainty in mean (g):		3.94E-06	
	r			
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	B18010403	B18010803	Distance of anticipation
	Total volume of leach solution (ml):	45.0	49.8	
1000		12 - 2 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -		and the second
	Radiochemical laboratory analysis number:	18063-003	18063-008	
	Measured uranium concentration (µg/ml):	1.13E+00	1.83E-03	
-	Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g):	1.13E-01	1.83E-04	E 005 05
-	Uncertainty in weight uranium leached (g):	5.09E-05 5.14E-06	9.11E-08 9.19E-09	5.09E-05
-	Equivalent number of leached kernels:	1.29E-01	2.31E-04	5.14E-06 1.29E-01
-	Uncertainty in equivalent number of leached kernels:	1.31E-02	2.31E-04	1.31E-02
THE R.	entertainty in equivalent namber of reactice kernelor	1.512-02	2,342-03	1.512-02
	Measured concentration of impurity in sample (µg/ml):	4.25E+00	7.14E-02	Fe
	Uncorrected weight of impurity in sample (µg):	191.25	3.56	195.32
	Weight of impurity in blank (µg):	1.06	0.73	LITE. DE
	Minimum corrected weight of impurity in sample (µg):	190.19	2.83	193.39
	Maximum corrected weight of impurity in sample (µg):	190.19	2.83	193.39
	Measured concentration of impurity in sample (µg/ml):	7.43E-03	< 2.91E-03	Cr
	Uncorrected weight of impurity in sample (µg):	0.33	< 0.14	< 0.48
r 🗖	Weight of impurity in blank (µg):	0.16	0.20	
	Minimum corrected weight of impurity in sample (µg):	0.17	0.00	0.17
	Maximum corrected weight of impurity in sample (µg):	0.17	0.00	0.17
	Measured concentration of impurity in sample (µg/ml):	4.44E-03	4.97E-04	Mn
	Uncorrected weight of impurity in sample (µg):	0.20	0.02	0.22
۱Ľ	Weight of impurity in blank (µg):	0.04	0.04	1 - 1 - 1
	Minimum corrected weight of impurity in sample (µg):	0.16	0.00	0.16
	Maximum corrected weight of impurity in sample (µg):	0.16	0.00	0.16
	Measured concentration of impurity in sample (µg/ml):	2.68E-03	8.72E-05	Co
	Uncorrected weight of impurity in sample (µg):	0.12	0.00	0.12
	Weight of impurity in blank (µg):	0.00	0.00	and many and the
	Minimum corrected weight of impurity in sample (µg):	0.12	0.00	0.12
	Maximum corrected weight of impurity in sample (µg):	0.12	0.00	0.12
	Measured concentration of impurity in sample (µg/ml):	5.17E-02	3.90E-02	Ni
	Uncorrected weight of impurity in sample (µg):	2.33	1.94	4.27
	Weight of impurity in blank (µg):	< 0.35	< 0.34	S. HE SHIT
	Minimum corrected weight of impurity in sample (µg):	1.98	1.60	3.58
-	Maximum corrected weight of impurity in sample (µg):	2.33	1.94	4.27
H	Measured concentration of impurity in sample (µg/ml):	1.11E+00	< 3.33E-01	Ca
H	Uncorrected weight of impurity in sample (µg):	49.95	<16.58	<66.53
' ⊢	Weight of impurity in blank (µg):	<15.65	16.77	24.20
H	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	34.30 49.95	0.00	34.30
-	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	49.95 8.76E-01	0.00 1.46E-01	49.95 Al
H	Uncorrected weight of impurity in sample (µg/mi):	39.42	7.27	46.69
	Weight of impurity in blank (µg):	5.88	11.46	40.09
	Minimum corrected weight of impurity in sample (µg):	33.55	0.00	33.55
	Maximum corrected weight of impurity in sample (µg):	33.55	0.00	33.55
	Measured concentration of impurity in sample (µg/ml):	4.58E-01	3.94E-02	
F	Uncorrected weight of impurity in sample (µg):	20.61	1.96	22.57
F	Weight of impurity in blank (µg):	< 0.25	< 0.24	ELIGY
F	Minimum corrected weight of impurity in sample (µg):	20.36	1.72	22.08
	Maximum corrected weight of impurity in sample (µg):	20.61	1.96	22.57
	Measured concentration of impurity in sample (µg/ml):	1.40E-01	8.34E-04	V
	Uncorrected weight of impurity in sample (µg):	6.30	0.04	6.34
	Weight of impurity in blank (µg):	0.02	< 0.01	0101
	Minimum corrected weight of impurity in sample (µg):	6.28	0.04	6.32
		6.28	0.04	6,32

Water rinse	Include if > 10% of 2nd leach
W18010803	
19.0	
all institution	
18063-013	
3.71E-04	
3.71E-05	and the second sec
7.05E-09	N
7.45E-10	
1.79E-05	
1.90E-06	
2 715 02	
2.71E-02 0.51	Y
0.51	1
0.13	
0.37	
< 2.91E-03	
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0.04	and a state of the state of the
0.00	
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Fred C. Montgomery 2-8-2018

Data Report For	m DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1221, 1240, 1243, 1266, 1316
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1 DRF26R3.xls

	Number of compacts:		5		
	Average weight uranium per particle, mean value (g):		3.94E-04	1.12-12-12-12-12	
Av	erage weight uranium per particle, uncertainty in mean (g):		3.94E-06	STRUCTURE STOR	
		First Leach	Second Leach	Total	
	Post-burn leach solution ID:	B18010404	B18010804		
	Total volume of leach solution (ml):	44.0	39.5	The second second	
1212	一部成年二十年二月二月二月二十月二月二月二月二月二月二月二月二月二月二月二月二月二月二	A LOW AND A		- 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
	Radiochemical laboratory analysis number:	18063-004	18063-009	and the second	
	Measured uranium concentration (µg/ml):	1.12E-01	3.93E-03	A DE TRUCK	
-	Uncertainty in uranium concentration (µg/ml):	1.12E-02	3.93E-04	and the second	
21.1	Weight uranium leached (g):	4.93E-06	1.55E-07	5.08E-06	
24	Uncertainty in weight uranium leached (g): Equivalent number of leached kernels:	4.98E-07	1.57E-08	4.98E-07	
	Uncertainty in equivalent number of leached kernels:	1.25E-02	3.94E-04	1.29E-02	
-	Uncertainty in equivalent number of feached kernels.	1.27E-03	4.01E-05	1.27E-03	
-	Measured concentration of impurity in sample (µg/ml):	4.62E+00	8.16E-02	Fe	
	Uncorrected weight of impurity in sample (µg):	203.28	3.22	207.04	
Fe	Weight of impurity in blank (µg):	1.06	0.73	207.04	
	Minimum corrected weight of impurity in sample (µg):	202.22	2.49	205.11	
1	Maximum corrected weight of impurity in sample (µg):	202.22	2.49	205.11	
	Measured concentration of impurity in sample (µg/ml):	6.84E-03	3.55E-03	Cr	
	Uncorrected weight of impurity in sample (µg):	0.30	0.14	0.44	
Cr	Weight of impurity in blank (µg):	0.16	0.20	State State	
	Minimum corrected weight of impurity in sample (µg):	0.14	0.00	0.14	
	Maximum corrected weight of impurity in sample (µg):	0.14	0.00	0.14	
	Measured concentration of impurity in sample (µg/ml):	4.67E-03	6.89E-04	Mn	
	Uncorrected weight of impurity in sample (µg):	0.21	0.03	0.25	
Mn	Weight of impurity in blank (µg):	0.04	0.04	The second states	
	Minimum corrected weight of impurity in sample (µg):	0.16	0.00	0.17	
	Maximum corrected weight of impurity in sample (µg):	0.16	0.00	0.17	
	Measured concentration of impurity in sample (µg/ml):	3.05E-03	1.11E-04	Co	
	Uncorrected weight of impurity in sample (µg):	0.13	0.00	0.14	
Co	Weight of impurity in blank (µg):	0.00	0.00	and the second	
$\sim 1$	Minimum corrected weight of impurity in sample (µg):	0.13	0.00	0.13	
	Maximum corrected weight of impurity in sample (µg):	0.13	0.00	0.13	
	Measured concentration of impurity in sample (µg/ml):	6.41E-02	1.29E-02	Ni	
Ni	Uncorrected weight of impurity in sample (µg):	2.82	0.51	4.21	
	Weight of impurity in blank (µg):	< 0.35	< 0.34	State of State of State	
121	Minimum corrected weight of impurity in sample (µg):	2.47	0.17	3.41	
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	2.82 1.64E+00	0.51 < 3.33E-01	4.21 Ca	
	Uncorrected weight of impurity in sample (µg/mi):	72.16	< 3.33E-01 <13.15	<85.31	
Ca	Weight of impurity in blank (µg):	<15.65	16.77	<03.31	
-	Minimum corrected weight of impurity in sample (µg):	56.51	0.00	56.51	
245	Maximum corrected weight of impurity in sample (µg):	72.16	0.00	72.16	
	Measured concentration of impurity in sample (µg/m):	2.11E+00	2.42E-01	Al	
	Uncorrected weight of impurity in sample (µg):	92.84	9.56	107.10	
AI	Weight of impurity in blank (µg):	5.88	11.46	10/110	
	Minimum corrected weight of impurity in sample (µg):	86.97	0.00	90.58	
	Maximum corrected weight of impurity in sample (µg):	86.97	0.00	90.58	
	Measured concentration of impurity in sample (µg/ml):	5.39E-01	3.67E-02	Ti	
	Uncorrected weight of impurity in sample (µg):	23.72	1.45	25.17	
Ti [	Weight of impurity in blank (µg):	< 0.25	< 0.24	Two and the same	
	Minimum corrected weight of impurity in sample (µg):	23.47	1.21	24.67	
250	Maximum corrected weight of impurity in sample (µg):	23.72	1.45	25.17	
1	Measured concentration of impurity in sample (µg/ml):	1.61E-01	2.43E-03	V	
	Uncorrected weight of impurity in sample (µg):	7.08	0.10	7.18	
V	Weight of impurity in blank (µg):	0.02	< 0.01		
	Minimum corrected weight of impurity in sample (µg):	7.06	0.09	7.15	
	Maximum corrected weight of impurity in sample (µg):	7.06	0.10	7.16	

Water rinse	Include if > 10% of 2nd leach
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	and the second of the second
18063-014	and the second
1.44E-03	The second second second
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FCM checked the data against the Official Results of Analyses report for RMAL18063 on 2/7/2018.

Fiel C. Montgomery 2-8-2018 Operator

Data Report Form DRF-26B: Post-Burn Leach Uranium and Impurities

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	Post-burn leach blank
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 1_DRF26R3.xls

Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total
- 278	Post-burn leach solution ID:	B18010405	B18010805	
	Total volume of leach solution (ml):	47.0	46.2	Party and the second
	Radiochemical laboratory analysis number:	18063-005	18063-010	and the second s
Sec.34	Measured uranium concentration (µg/ml):	2.34E-04	4.60E-05	Statut of a materia
	Uncertainty in uranium concentration (µg/ml):	2.34E-05	4.60E-06	A State State
	Weight uranium leached (g):	1.10E-08	2.13E-09	1.31E-08
27	Uncertainty in weight uranium leached (g):	1.11E-09	2.15E-10	1.13E-09
11 号云	Equivalent number of leached kernels:	2.79E-05	5.39E-06	3.33E-05
1119 24	Uncertainty in equivalent number of leached kernels:	2.83E-06	5.47E-07	2.89E-06
			The second second	
Fe	Measured concentration (µg/ml):	2.25E-02	1.58E-02	Fe
16	Total weight of leached impurity (µg):	1.06	0.73	1.94
Cr	Measured concentration (µg/ml):	3.43E-03	4.37E-03	Cr
CI	Total weight of leached impurity (µg):	0.16	0.20	0.41
Mn	Measured concentration (µg/ml):	8.64E-04	8.60E-04	Mn
Pill	Total weight of leached impurity (µg):	0.04	0.04	0.09
Co	Measured concentration (µg/ml):	7.76E-05	6.56E-05	Со
	Total weight of leached impurity (µg):	0.00	0.00	0.01
Ni	Measured concentration (µg/ml):	< 7.40E-03	< 7.40E-03	Ni
	Total weight of leached impurity (µg):	< 0.35	< 0.34	< 0.69
Ca	Measured concentration (µg/ml):	< 3.33E-01	3.63E-01	Ca
Ca	Total weight of leached impurity (µg):	<15.65	16.77	<32.42
AI	Measured concentration (µg/ml):	1.25E-01	2.48E-01	AI
AI	Total weight of leached impurity (µg):	5.88	11.46	17.33
Ti	Measured concentration (µg/ml):	< 5.29E-03	< 5.29E-03	Ti
	Total weight of leached impurity (µg):	< 0.25	< 0.24	< 0.49
v	Measured concentration (µg/ml):	4.18E-04	< 1.33E-04	V
	Total weight of leached impurity (µg):	0.02	< 0.01	< 0.03

#### Comments

FCM checked the data against the Official Results of Analyses report for RMAL18063 on 2/7/2018.

Fied C. montgomery

2-8-2018

Date

C-19

Data Report Form DRF-26A: Pre-Burn Leach Uranium and Impurities					
Procedure:	AGR-CHAR-DAM-26 Rev. 3				
Operator:	Montgomery/Dyer				
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D				
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction				
Compact ID numbers:	1233, 1254, 1287, 1291, 1821				
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2_DRF26R3.xls				

	Number of compacts:		5			
	Average weight uranium per particle, mean value (g):		3.94E-04			
Av	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06	C. P. P. C.L.		
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lead
1	Pre-burn leach solution ID:	L18011701	L18011901	and the second	W18011901	and the second second second
	Total volume of leach solution (ml):	115.0	96.0	the second second	88.2	
		the second	The second s		the second descent	
-	Radiochemical laboratory analysis number:	18062-001	18062-006	1 2 A. S	18062-011	
	Measured uranium concentration (µg/ml):	1.41E-01	1.95E-02	C. Carlos and the second	3.42E-03	
	Uncertainty in uranium concentration (µg/ml):	1.41E-02	1.95E-03		3.42E-04	Carl and the state
	Weight uranium leached (g):	1.62E-05	1.87E-06	1.81E-05	3.02E-07	N
	Uncertainty in weight uranium leached (g): Equivalent number of leached kernels:	1.62E-06 4.12E-02	1.88E-07 4.75E-03	1.63E-06 4.59E-02	3.02E-08	
	Uncertainty in equivalent number of leached kernels:	4.12E-02 4.14E-03	4.75E-03 4.79E-04	4.59E-02 4.17E-03	7.66E-04 7.71E-05	
Contraction of	oncertainty in equivalent number of feached kernels.	4.14E-03	4.792-04	4.1/E-03	7.71E-05	
and the second s	Measured concentration of impurity in sample (µg/ml):			Fe	and the second se	
	Uncorrected weight of impurity in sample (µg):	COLUMN TO A DOCTOR		re		the second s
Fe	Weight of impurity in blank (µg):			The second s		and the second s
	Minimum corrected weight of impurity in sample (µg):				-	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):	THE REAL PROPERTY.	PLICE STORY			The second s
Cr	Weight of impurity in blank (µg):		Comment of the second	Carlo and and and and and		and the second s
	Minimum corrected weight of impurity in sample (µg):		A REAL PROPERTY.			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		State of the second	Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):		Contraction (Contraction)	and the second second		The second se
	Minimum corrected weight of impurity in sample (µg):		1 Per 11 2 3 11	Construction of the second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):		Least the second			
Co	Weight of impurity in blank (µg):	19		and the second	-	
	Minimum corrected weight of impurity in sample (µg):			here a start and		
	Maximum corrected weight of impurity in sample (µg):	LON CONPUS				
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			the second wards		
1	Minimum corrected weight of impurity in sample (µg):	The state of the s				
	Maximum corrected weight of impurity in sample (µg):			-		
45.0	Measured concentration of impurity in sample (µg/ml):			Ca		The second s
Ca	Uncorrected weight of impurity in sample (µg):			and the second s		
ca	Weight of impurity in blank (µg):			a list of a second second		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Maximum corrected weight or impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):			AI		and the second of the second sec
AI	Weight of impurity in blank (µg):			And in the owner of the owner owner owner owner owner owner		and the second se
~	Minimum corrected weight of impurity in sample (µg):					
1.00	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	Carlor Pary Contra		Ti	the second second	
	Uncorrected weight of impurity in sample (µg):				1	A second s
Ti	Weight of impurity in blank (µg):			COLOR DE COL		The state of the state of the state
	Minimum corrected weight of impurity in sample (µg):					
1.00	Maximum corrected weight of impurity in sample (µg):			Para 11 100 1 100		
	Measured concentration of impurity in sample (µg/ml):	CALL PROPERTY OF		v		
	Uncorrected weight of impurity in sample (µg):				1000	
v	Weight of impurity in blank (µg):	1.1.1.1.1.1.1	HERE CONTRACTS	and the second second		the state that the state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Comments					

Fied C. Montgomery 2-8-2018 Operator Date

Data Report Form DRF-26A: Pre-Burn Leach Uranium and Impurities					
Procedur	e: AGR-CHAR-DAM-26 Rev. 3				
	r: Montgomery/Dyer				
Compact lot I	D: B&W J52R-16-14156C and B&W J52R-16-14156D				
Compact lot descriptio	n: AGR-5/6/7 compacts, 25% packing fraction				
Compact ID number	s: 1236, 1305, 1321, 1807, 1808				
DRF filenam	e: \\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2_DRF26R3.xls				

Average weight unation per particle, mean value (c):         3-34E-54           Average weight unation per particle, mean value (c):         3-34E-64           Average weight unation per particle, mean value (c):         1000000000000000000000000000000000000		Number of compacts:		5			
First Leach         Second Leach         Total           Weight one of leach solution (DI)         1.18011702         1.18011902           Total volume of leach solution (DI)         2.312.0         95.0           Redickemical laboratory analysis number:         1.8062-007         8.557-02           Meanued uranium concentration (g/m)         2.512-00         2.582-01           Juncetainty in weight uranium leached (jc)         3.342-04         3.248-05           Juncetainty in weight uranium leached (jc)         3.342-04         3.448-05           Uncertainty in equivalent number of leached kernels         6.766-01         1.556-02           Uncertainty in equivalent number of leached kernels         6.766-02         1.556-02           Meanued concentration of impurity in sample (up)         6         1.556-02           Meanued concentration of impurity in sample (up)         6         6           Meanued concentration of impurity in sample (up)         6         6           Meanued concentration of impurity in sample (up)         6         6           Meanued concentration of impurity in sample (up)         6         6           Meanued concentration of impurity in sample (up)         6         6           Meanued concentration of impurity in sample (up)         6         6           Meanued con			and the second states in				
Pre-burn leach solution 102         118011702	AV	erage weight uranium per particle, uncertainty in mean (g):		3.94E-06	and the second second		
Pre-burn leach solution 102         118011702		ſ	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lead
Total volume of feach solution (m):         122.0         95.0           Redickemical isotratory analysis number:         18062-002         18062-007           Neasured control concentration (a/m):         2.345:00         2.345:00         2.345:00           Uncertainty in weight uranium lender(d):         2.345:00         2.345:00         2.345:00           Uncertainty in weight uranium lender(d):         2.345:00         2.345:00         3.745:04           Uncertainty in weight uranium lender(d):         2.345:00         3.745:04         5.175:07           Uncertainty in weight uranium lender(d):         3.345:04         2.445:05         3.745:04         5.175:07           Uncertainty in equivalent number of lachted kernets:         8.766-02         6.335:03         8.775:07         1.357:03           Measured concentration of inputty in sample (up):         Pe         1.357:03         1.357:03         1.357:03           Measured concentration for imputty in sample (up):         Pe         1.357:03         1.357:03         1.357:03           Measured concentration for imputty in sample (up):         Pe         1.357:03         1.357:03         1.357:03           Measured concentration for imputty in sample (up):         Pe         Pe         1.357:03         1.357:03           Measured concentration for imputty in sample (up):<		Pre-burn leach solution ID:					A CONTRACTOR OF THE OWNER OWNE
Measured uranium concentration (µµ/m):         2.81E-00         2.58E-01         6.59E-03           Weight uranium leached (p):         3.43E-04         2.48E-05         3.74E-04         6.14E-05         6.14E-05         9.48E-01         1.55E-03         1.55E-0	- 17k	Total volume of leach solution (ml):	122.0	96.0			
Measured uranium concentration (µµ/m):         2.81E-00         2.58E-01         6.59E-03           Weight uranium leached (p):         3.43E-04         2.48E-05         3.74E-04         6.14E-05         6.14E-05         9.48E-01         1.55E-03         1.55E-0	N. Aller	Dadioskamiasi lakamban anglusis numban	10000 000	10050 007	State States		
Uncertainty in uranium concentration (up/m):         2.916-01         2.588-02           Weight uranium tasched (g):         3.438-04         2.448-05         3.748-04         6.178-07           Uncertainty in weight uranium tasched (g):         3.438-04         2.448-05         3.448-05         3.448-05         3.448-05         3.448-05         3.448-05         3.448-05         5.68-02         1.556-02         1.556-02         1.556-02         1.576-03					+A PARTIN		
Weight unatum fleached (p): 3.43E-04         2.48E-06         3.44E-04           Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Co	1.00				Contraction of the second		
Uncertainty in weight unanum fached (g):         3.43E-05         2.44E-06         3.44E-05           Equivalent number of leached kennets:         8.70E-01         6.33E-03         8.79E-02           Uncertainty in equivalent number of leached kennets:         8.70E-02         6.33E-03         8.79E-02           Measured concentration of impurity in sample (pg/m):         Fe         1.56E-02         1.57E-03           Minimum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Maximum corrected weight of impurity in sample (pg/i):         Fe         1.57E-03           Minimum corrected					3 74E-04		Y
Equivalent number of leached kenets:         8.70E-0.2         9.49E-0.1         1.55E-02           Incorrected weight of impurity in sample (µ/m):         8.76E-0.2         6.33E-03         8.77E-0.2           Impurity in equivalence of the sample (µ/m):         8.76E-0.2         6.33E-03         8.77E-0.2           Impurity in sample (µ/m):         8.76E-0.2         6.33E-03         8.77E-0.2           Impurity in sample (µ/m):         8.76E-0.2         6.33E-03         8.77E-0.2           Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):           Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):           Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):           Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):           Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m):         Impurity in sample (µ/m)							and the second s
Measured concentration of impurity in sample (µg/m):         Fe           Uncorrected weight of impurity in sample (µg/m):         Fe           Minimum corrected weight of impurity in sample (µg):         Fe           Measured concentration of impurity in sample (µg):         Fe           Minimum corrected weight of impurity in sample (µg):         Fe           Minimum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Fe           Minimum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Fe <td></td> <td>Equivalent number of leached kernels:</td> <td></td> <td></td> <td></td> <td></td> <td></td>		Equivalent number of leached kernels:					
Fe       Uncorrected weight of impurity in bank (up):       Impurity in bank (up):         Minimum corrected weight of impurity in sample (up):       Cr         Measured concentration of impurity in sample (up):       Cr         Mainmum corrected weight of impurity in sample (up):       Cr         Mainmum corrected weight of impurity in sample (up):       Cr         Mainmum corrected weight of impurity in sample (up):       Cr         Mainmum corrected weight of impurity in sample (up):       Mm         Mainmum corrected weight of impurity in sample (up):       Mm         Minimum corrected weight of impurity in sample (up):       Co         Minimum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Minimum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Minimum corrected weight of impurity in sample (up):         Mainmum corrected weight of impurity in sample	1.1.1	Uncertainty in equivalent number of leached kernels:	8.76E-02	6.33E-03	8.79E-02	1.57E-03	
Fe       Uncorrected weight of impurity in bank (up):       Impurity in bank (up):         Minimum corrected weight of impurity in sample (up):       Cr         Measured concentration of impurity in sample (up):       Cr         Mainmum corrected weight of impurity in sample (up):       Cr         Mainmum corrected weight of impurity in sample (up):       Cr         Mainmum corrected weight of impurity in sample (up):       Cr         Mainmum corrected weight of impurity in sample (up):       Mm         Mainmum corrected weight of impurity in sample (up):       Mm         Minimum corrected weight of impurity in sample (up):       Co         Minimum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Minimum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Co         Mainmum corrected weight of impurity in sample (up):       Minimum corrected weight of impurity in sample (up):         Mainmum corrected weight of impurity in sample	200		all the market and			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Fe       Weight of impurity in blank (up):         Maximum corrected weight of impurity in sample (up/n):		Measured concentration of impurity in sample (µg/mi):			re		and the second of the second second
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Fuel C. Montgomery 2-8-2018 Operator Date

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1257, 1258, 1285, 1298, 1324
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2_DRF26R3.xls

Average weight uranium per particle, mean value (g):       3.94E-04         Average weight uranium per particle, uncertainty in mean (g):       3.94E-06		Number of compacts:	A CONTRACTOR	5				
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Inst. Leach         Second Leach         Total           Image: Construction of the sch bolic (m):         1180.1193         1180.1193           Image: Construction of Construction (m):         1180.0         94.0           Image: Construction of Construction (m):         1180.0         94.0           Image: Construction (m):         1180.0         94.0           Image: Construction (m):         0.557-02         1.245-02           Image: Construction (m):         0.557-02         1.225-05           Image: Construction (m):         0.557-02         0.555-03           Image: Construction (m):         0.557-02         0.555-03           Image: Construction (m):         0.557-03         0.555-03           Image: Construction (m):         0.577-03         0.555-03           Image: Construction (m):         0.577-03         0.555-03	Av				A REAL PROPERTY.			
Pre-burn texh solution [2]: 118:00         P4:0           Total volume of least solution (11): 118:00         94:0           Resumed variation concentration (g/m): 0, 39:5:20         1.24:50           Measured variation concentration (g/m): 0, 39:5:20         1.22:50           Measured concentration of insurbit (n anapte (g/m): 0         1.22:50           Measured concentration of insurbit (n anapte (g/m): 0         1.22:50           Measured concentration of insurbit (n anapte (g/m): 0         Fe           Measured concentration of insurbit (n anapte (g/m): 0         Fe           Measured concentration of insurbit (n anapte (g/m): 0         Fe           Measured concentration of insurbit (n anapte (g/m): 0         Fe           Measured concentration of insurbit (n anapte (g/m): 0         Fe           Measured concentration of insurbit (n anapte (g/m): 0         Fe           Measured concentration of insurbit (n anapte (g/m): 0         Fe           Measured concentration of insurbit (n anapte (g/m): 0         Fe           Measured concentration of insurbit (n anapte (g		erage weight trainitin per particle, uncertainty in mean (g).		5.542-00				
Total volume of texh solution (m):         118.0         94.0           Reducchemical laboratory analysis number:         18062-003         18062-008           Measured mainton concentration (g/m):         2.352-03         1.242-06           Uncertainty in weight unamine lacked (g):         2.352-03         1.242-06           Uncertainty in weight unamine lacked (g):         2.352-03         1.222-06           Uncertainty in egrinate lacked kernets:         2.382-03         3.118-02           Uncertainty in egrinate lacked kernets:         2.382-03         3.118-02           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-04           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         Fe         4.352-04           Measured concentration of impurity in ana			First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach	
Total volume of texh solution (m):         118.0         94.0           Reducchemical laboratory analysis number:         18062-003         18062-008           Measured mainton concentration (g/m):         2.352-03         1.242-06           Uncertainty in weight unamine lacked (g):         2.352-03         1.242-06           Uncertainty in weight unamine lacked (g):         2.352-03         1.222-06           Uncertainty in egrinate lacked kernets:         2.382-03         3.118-02           Uncertainty in egrinate lacked kernets:         2.382-03         3.118-02           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         4.352-04           Measured concentration of impurity in anapte (g/m):         Fe         4.352-03           Measured concentration of impurity in anapte (g/m):         Fe         Fe         4.352-04           Measured concentration of impurity in ana	1-12	Pre-burn leach solution ID:	L18011703	1 1801 1903	a file of the second	W18011903	Section and the section of the secti	
Relicitencial laboratory analysis number:         18052-003           Measured varaium concenteristion (ug/m):         9.395-03         1.24E-03           Uncertainty turanium teached (0):         1.14E-03           Uncertainty turanium teached (0):         1.24E-03           Uncertainty turanium teached (0):         1.14E-02           Uncertainty turanium teached (0):         1.14E-03           Measured concentration of impurity in sample (ug/m):           Fe         Measured concentration of impurity in sample (ug/m):           Measured concentration of impurity in sample (ug/m): <th colsp<="" td=""><td></td><td></td><td></td><td></td><td>and the second s</td><td></td><td></td></th>	<td></td> <td></td> <td></td> <td></td> <td>and the second s</td> <td></td> <td></td>					and the second s		
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Uncertainty in urainum concentration (µm):         9.39:-03         1:24:-03         1:25:-01           Uncertainty in weight urainum leached (p):         1:1E-05         1:17:-07         1:22:-05           Uncertainty in weight urainum leached (p):         1:1E-06         1:17:-07         1:22:-05           Uncertainty in equivalent number of leached kemds:         2:35:-03         1:22:-05         1:79:-07         N           Measured concentration of impurity in sample (µ0):         Period         Vector Market and the off impurity in sample (µ0):           Measured concentration of impurity in sample (µ0):         Period         Vector Market and the off impurity in sample (µ1):           Measured concentration of impurity in sample (µ0):         Period         Vector Market and the off impurity in sample (µ2):           Measured concentration of impurity in sample (µ2):         Measured concentration of impurity in sample (µ2):           Measured concentration of impurity in sample (µ2):         Measured concentration of impurity in sample (µ2):           Measured concentration of impurity in sample (µ2):         Measured concentration of impurity in sample (µ2):           Measured concentration of impurity in sample (µ2):         Measured concentration of impurity in sample (µ2					SPECIAL CONTROL			
Weight uranium leached (p):         1.11E-05         1.12E-06         1.22E-07         N           Equivalent number of leached kends:         2.81E-03         2.17E-07         N           Interchalty in sequine (up/n):         Colspan="2">N           Interchalty in sequine (up/n):           Fe         Minimum corrected weight of inpurity in sample (up/n):           Colspan="2">Colspan="2">N           Maximum corrected weight of inpurity in sample (up/n):           Colspan="2">Colspan="2">Colspan="2">Colspan="2">N           Minimum corrected weight of inpurity in sample (up/n):           Colspan="2">Colspan="2">Colspan="2">Colspan="2">N           Minimum corrected weight of inpurity in sample (up/n):           Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"           Minimum corected weight of inp					States and the second			
Uncertainty in weight uranium leached (p):         1.12E-02         1.12E-02         1.12E-02           Measured concentration of impurity in sample (pg/m):         E         2.38E-03         2.38E-03         2.38E-03           Measured concentration of impurity in sample (pg/m):         Fe         Measured concentration of impurity in sample (pg/m):           Fe         Weight of impurity in sample (pg/m):         Fe         Colspan="2">Colspan="2"           Measured concentration of impurity in sample (pg/m):         Fe         Colspan="2"           Measured concentration of impurity in sample (pg/m):         Colspan="2"           Measured concentration of impurity in sample (pg/m):         Colspan="2"           Measured concentration of impurity in sample (pg/m):         Measured concentration of impurity in sample (pg/m):           Measured concentration of impurity in sample (pg/m):         Measured concentration of impurity in sample (pg/m):           Measured concentration of impurity in sample (pg/m):         Measured concentration of impurity in sample (pg/m):           Measured concentration of impurity in sample (pg/m):          Measured concentration of					1 22E-05		N	
Equivalent number of leached kernels:         2.81E-02         2.98E-03         3.11E-02         4.57E-05           Measured concentration of impurity in sample (µg/m1):         Fe	-						IN THE REAL PROPERTY OF THE PARTY OF THE PAR	
Uncertainty in equivalent number of leached kemels:         2.88E-03         2.98E-04         2.89E-03         4.57E-05           Measured concentration of impurity in sample (up/in):         Fe	-							
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Fud c. Montgomery 2-8-2018 Operator Date

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1277, 1279, 1314, 1812, 1828
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2 DRF26R3.xls

	Number of compacts:	Sec. Cardena	5			
	Average weight uranium per particle, mean value (g):		3.94E-04			
Av	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06			
	r					
	Day house least actuation TD.	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lead
-	Pre-burn leach solution ID: Total volume of leach solution (ml):	L18011704 109.0	L18011904 104.0	In a second second second	W18011904 73.2	
-	Total volume of leach solution (IIII):	109.0	104.0		13.2	
	Radiochemical laboratory analysis number:	18062-004	18062-009	The second second	18062-014	
2.000	Measured uranium concentration (µg/ml):	1.14E-01	2.19E-02		4.60E-03	
1	Uncertainty in uranium concentration (µg/ml):	1.14E-02	2.19E-03	The Barrier	4.60E-04	
	Weight uranium leached (g):	1.24E-05	2.28E-06	1.47E-05	3.37E-07	N
	Uncertainty in weight uranium leached (g):	1.24E-06	2.28E-07	1.27E-06	3.38E-08	and the second
	Equivalent number of leached kernels:	3.15E-02	5.78E-03	3.73E-02	8.55E-04	
-	Uncertainty in equivalent number of leached kernels:	3.18E-03	5.82E-04	3.23E-03	8.62E-05	
-	Measured concentration of impurity in sample (µg/ml):	and the second second	and the second s	Fe	and the second se	
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in	Minimum corrected weight of impurity in sample (µg):			Contraction of the local division of the		
536	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	1.000		Ca		
2.7	Uncorrected weight of impurity in sample (µg):		Sec. Sec. Sec.			
Ca	Weight of impurity in blank (µg):	COLOR PROPERTY.		Carlos Marting and		A REAL PROPERTY AND A REAL
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Fied c. Montgomery 2-8-2018 Operator Date

### Data Report Form DRF-26A: Pre-Burn Leach Uranium and Impurities

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	Pre-burn leach blank
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2 DRF26R3.xls

Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total
1. 1. 1. 1.	Pre-burn leach solution ID:	L18011705	L18011905	and the second second
	Total volume of leach solution (ml):	150.0	100.0	
COLOR H	and the second	C PIR TO BE	and the state of the	
	Radiochemical laboratory analysis number:	18062-005	18062-010	
	Measured uranium concentration (µg/ml):	1.61E-04	1.00E-04	
11116	Uncertainty in uranium concentration (µg/ml):	1.61E-05	1.00E-05	Real Proto
10.25	Weight uranium leached (g):	2.42E-08	1.00E-08	3.42E-08
a shi	Uncertainty in weight uranium leached (g):	2.42E-09	1.00E-09	2.62E-09
1123	Equivalent number of leached kernels:	6.13E-05	2.54E-05	8.67E-05
1.1.1.1.2	Uncertainty in equivalent number of leached kernels:	6.17E-06	2.56E-06	6.70E-06
and the second			- Frank Reality	
Fe	Measured concentration (µg/ml):	Sec. 1 in the last of		Fe
	Total weight of leached impurity (µg):			Darris and the second second
Cr	Measured concentration (µg/ml):			Cr
	Total weight of leached impurity (µg):			
Mn	Measured concentration (µg/ml):			Mn
	Total weight of leached impurity (µg):			
Co	Measured concentration (µg/ml):			Со
	Total weight of leached impurity (µg):			
Ni	Measured concentration (µg/ml):	2 1 1 4 1 1		Ni
	Total weight of leached impurity (µg):			Survey &
Ca	Measured concentration (µg/ml):	Sec. 2 . March		Ca
	Total weight of leached impurity (µg):	A. S. J. S. 18-18		
AI	Measured concentration (µg/ml):			AI
	Total weight of leached impurity (µg):			
Ti	Measured concentration (µg/ml):	and the second	and the second of the second	Ti
1000	Total weight of leached impurity (µg):	and the second of the		
v	Measured concentration (µg/ml):			V
1 Sector	Total weight of leached impurity (µg):	EDI SA TURA SA SA		and the second second

### Comments

FCM checked the data against the official Results of Analyses report for RMAL18062 on 2/07/2018.

Fiel c. Mintgomery

2-8-2018 Date

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m DRF-26B: Post-Burn Leach Uranium and Impurities
AGR-CHAR-DAM-26 Rev. 3
Montgomery/Dyer
B&W J52R-16-14156C and B&W J52R-16-14156D
AGR-5/6/7 compacts, 25% packing fraction
1233, 1254, 1287, 1291, 1821
\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2 DRF26R3,xls

	Number of compacts:		5			
1.5	Average weight uranium per particle, mean value (g):		3.94E-04	A MARKET AND A STATE		
Av	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06			
	r					
_	Deet how look adultan TD	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lea
-	Post-burn leach solution ID:	B18012901	B18013001	and the second	W18013001	
	Total volume of leach solution (ml):	45.2	48.0	AND AND A	50.0	
1.5	Radiochemical laboratory analysis number:	18079-001	18079-006	and and the second	18079-011	
	Measured uranium concentration (µg/ml):	1.02E+01	4.53E-02	and and the	4.27E-03	
-	Uncertainty in uranium concentration (µg/ml):	1.02E+01 1.02E+00	4.53E-02		4.27E-03	
	Weight uranium leached (g):	4.61E-04	2.17E-06	4.63E-04	2.14E-07	N
1	Uncertainty in weight uranium leached (g):	4.66E-05	2.19E-07	4.66E-05	2.15E-08	the state of the s
USC	Equivalent number of leached kernels:	1.17E+00	5.52E-03	1.18E+00	5.42E-04	
	Uncertainty in equivalent number of leached kernels:	1.19E-01	5.60E-04	1.19E-01	5.49E-05	
1		The second second		State of the second	Contraction of the second	
	Measured concentration of impurity in sample (µg/ml):		2000	Fe		
	Uncorrected weight of impurity in sample (µg):			The state of the state	and the second	
e	Weight of impurity in blank (µg):			The stand and the stand		
	Minimum corrected weight of impurity in sample (µg):			and the second		
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Cr		and the second second
Cr	Weight of impurity in blank (µg):			Statement of the local division in the local		and the second s
	Minimum corrected weight of impurity in sample (µg):			C. C. C. P. C. March		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			em		
4n	Weight of impurity in blank (µg):	and a second second		and the second s		the state of the state of the
	Minimum corrected weight of impurity in sample (µg):	1312 1 1 1 1 1 1				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		A REAL PROPERTY AND A REAL	Co		
	Uncorrected weight of impurity in sample (µg):	States and the		and the second s		
Co	Weight of impurity in blank (µg):			date of the second		
	Minimum corrected weight of impurity in sample (µg):	The second second		A STREET STREET		
1	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second
	Uncorrected weight of impurity in sample (µg):			1		
Ni	Weight of impurity in blank (µg):	100 M 100 100 100		THE PARTY OF		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		Contraction of the second second
Ca	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):					
-	Minimum corrected weight of impurity in sample (µg):			a state of the second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI	the second second	
	Uncorrected weight of impurity in sample (µg):					
AL	Weight of impurity in blank (µg):			Senter Strateger		the second s
	Minimum corrected weight of impurity in sample (µg):			Carl Charles in		
	Maximum corrected weight of impurity in sample (µg):	STATISTICS CAR	Rectange and the second			
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):				1000	
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			1		
	Measured concentration of impurity in sample (µg/ml):			v		and the second
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):	and the second second			-	
	Maximum corrected weight of impurity in sample (µg):	And the second se		and the second		

Fuel C. Montgomery 2-8-2018 Operator Date

Data Report For	m DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1236, 1305, 1321, 1807, 1808
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2 DRF26R3.xls

	Number of compacts:		5			
n d	Average weight uranium per particle, mean value (g):		3.94E-04	Sales and the second		
A	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06	1 States Parts		
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lead
-18-	Post-burn leach solution ID:	B18012902	B18013002	and the second second	W18013002	and the second second
_	Total volume of leach solution (ml):	45.0	47.8	Contraction of the second	49.5	
-	Radiochemical laboratory analysis number:			and the second	and the second second	
-	Measured uranium concentration (µg/ml):	18079-002	18079-007	the state of the s	18079-012	
	Uncertainty in uranium concentration (µg/ml):	1.89E+01	4.82E-02	- inter the second	3.25E-03	
-	Weight uranium leached (g):	1.89E+00	4.82E-03	0.525.04	3.25E-04	and the second second second
	Uncertainty in weight uranium leached (g):	8.51E-04 8.59E-05	2.30E-06 2.33E-07	8.53E-04	1.61E-07	N
	Equivalent number of leached kernels;	2.16E+00		8.59E-05	1.62E-08	
-	Uncertainty in equivalent number of leached kernels:	2.19E-01	5.85E-03 5.93E-04	2.16E+00 2.19E-01	4.08E-04 4.14E-05	
10000	oncertainty in equivalent number of feached kemels.	2.192-01	5.932-04	2.19E-01	4.14E-05	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):	Contraction of the second		THE PROPERTY		A THE REAL PROPERTY AND A DESCRIPTION OF
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
in the	Measured concentration of impurity in sample (µg/ml):			Cr	and the second	
	Uncorrected weight of impurity in sample (µg):			Collection of the second	Sector States and States	Contraction in the second second
Cr	Weight of impurity in blank (µg):	Contraction of the second		and an or the		
	Minimum corrected weight of impurity in sample (µg):	ST. 8 7 14 10				
	Maximum corrected weight of impurity in sample (µg):			Contraction and a	and the second second	
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):	AND A REAL Property				
Mn	Weight of impurity in blank (µg):		A CONTRACTOR OF A	The second second		The second states and the
	Minimum corrected weight of impurity in sample (µg):	Con And State				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):			E		
Co	Weight of impurity in blank (µg):			The second second		
	Minimum corrected weight of impurity in sample (µg):	a start and the start of				
	Maximum corrected weight of impurity in sample (µg):			A11		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Ni		and the second se
Ni	Weight of impurity in blank (µg):			State of Column State of Column		
	Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):	1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		va		
Ca	Weight of impurity in blank (µg):	No. of Concession, Name		A State of the second		and the second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	State of the second				
	Measured concentration of impurity in sample (µg/ml):	Last Contractor		Al		
	Uncorrected weight of impurity in sample (µg):					and a first the second
AI	Weight of impurity in blank (µg):			10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		and the second second second
	Minimum corrected weight of impurity in sample (µg):	C. C. S. C. N				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					and the second second second second
Ti	Weight of impurity in blank (µg):			Contraction of the second		A CONTRACTOR
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			v		The state of the state
	Uncorrected weight of impurity in sample (µg):	and the second second		No. and the first		
۷	Weight of impurity in blank (µg):			The states		The second strange with the
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					

FCM checked the data against the official Results of Analyses report for RMAL18079 on 2/07/2018.

Comments

Fud c. Montgomery 2-8-2018

<u></u>	n DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery/Dyer
	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1257, 1258, 1285, 1298, 1324
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2 DRF26R3.xls

	Number of compacts:		5			
	Average weight uranium per particle, mean value (g):		3.94E-04	and the second share		
Av	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06	A COLUMN AND A		
	Г	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lead
_ 0%	Post-burn leach solution ID:	B18012903	B18013003	Total	W18013003	
1	Total volume of leach solution (ml):	46.0	48.8	And the second second	49.2	
-		The states	and the second second	The second second	A STREET	
	Radiochemical laboratory analysis number: Measured uranium concentration (µg/ml):	18079-003 1.24E-01	18079-008	the second carding	18079-013	
2.2.3	Uncertainty in uranium concentration (µg/ml):	1.24E-01 1.24E-02	5.42E-03 5.42E-04	and and the	8.06E-04 8.06E-05	
	Weight uranium leached (g):	5.70E-06	2.64E-07	5.97E-06	3.97E-08	N
120	Uncertainty in weight uranium leached (g):	5.76E-07	2.67E-08	5.77E-07	4.00E-09	IN CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE
	Equivalent number of leached kernels:	1.45E-02	6.71E-04	1.51E-02	1.01E-04	
	Uncertainty in equivalent number of leached kernels:	1.47E-03	6.81E-05	1.47E-03	1.02E-05	
		and the second second	The state of the s	the second second second	and a start of the second	
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	a charter and		Fe		
Fe	Weight of impurity in blank (µg):			and the second division in the local divisio		
	Minimum corrected weight of impurity in sample (µq):			and the second se		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr	A STATE OF THE OWNER	
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			The second second		and the second start of the second start of the
	Minimum corrected weight of impurity in sample (µg):		the state of the			
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		And the second second second second
Mn	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			The Local Division of		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1.1.1	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):			1000		
Co	Weight of impurity in blank (µg):			State of the state of the		The second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
10	Measured concentration of impurity in sample (µg/ml):			Ni		To an I all the End of the state
Ni	Uncorrected weight of impurity in sample (μg): Weight of impurity in blank (μg):					
	Minimum corrected weight of impurity in sample (µg):			and the state of the		
	Maximum corrected weight of impurity in sample (µg):					
1	Measured concentration of impurity in sample (µg/ml):			Ca		
1	Uncorrected weight of impurity in sample (µg):	and the second sec				
Ca	Weight of impurity in blank (µg):			the state of the second second	and the second second	and the state of the second state
2	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			State of the state		
26 3	Measured concentration of impurity in sample (µg/ml):			Al		the state of the second second
AI	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			and the second second		
~	Minimum corrected weight of impurity in sample (µg):			and the second se		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	States and the states of		Ti	the second second	
	Uncorrected weight of impurity in sample (µg):		•	and the second second		
Ti	Weight of impurity in blank (µg):			and the state of the		with the lot of the state of the
	Minimum corrected weight of impurity in sample (µg):	100000000000000000000000000000000000000				
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			V		and the second second second
v	Weight of impurity in sample (µg): Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):			and the second second		
1.1	Maximum corrected weight of impurity in sample (µg):					
	git the sumple (pg).					and the second s

Hud C. Montgomery 2-8-2018 Operator Date

Data Report For	m DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1277, 1279, 1314, 1812, 1828
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2_DRF26R3.xls

-	Number of compacts:		5			
	Average weight uranium per particle, mean value (g):	All for the state of the	3.94E-04			
AV	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06	A DESCRIPTION OF A DESC		
	ī	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lead
	Post-burn leach solution ID:	B18012904	B18013004	Total	W18013004	
	Total volume of leach solution (ml):	46.9	47.0		49.0	
There		a state all the	The manual for	the states	a the second and	
	Radiochemical laboratory analysis number: Measured uranium concentration (µg/ml):	18079-004	18079-009	and a state	18079-014	
-	Uncertainty in uranium concentration (µg/ml):	1.13E-01 1.13E-02	2.17E-02 2.17E-03	and the second	8.79E-04 8.79E-05	
-	Weight uranium leached (g):	5.30E-06	1.02E-06	6.32E-06	4.31E-08	N
-	Uncertainty in weight uranium leached (g):	5.35E-07	1.02E 00	5.45E-07	4.34E-09	
1	Equivalent number of leached kernels:	1.35E-02	2.59E-03	1.60E-02	1.09E-04	
	Uncertainty in equivalent number of leached kernels:	1,36E-03	2.63E-04	1.39E-03	1.11E-05	
4		The state of the second se		the state of the second	A THE REAL	
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Fe		the second second second second
Fe	Weight of impurity in blank (µg):			Contraction of the local division of the loc		And the second se
	Minimum corrected weight of impurity in sample (µg):					the second of the second of the
	Maximum corrected weight of impurity in sample (µg):	Contraction of the	Contraction of the			
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			and the second second	123201212	and the second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LAND STREET, STATE			
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Mn		and the second s
Mn	Weight of impurity in blank (µg):			Contract of the local division of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	A DATE OF THE		Co	the second second	
	Uncorrected weight of impurity in sample (µg):		and the second se			Contraction of the local states
Co	Weight of impurity in blank (µg):			and the second		and the second of the second
1	Minimum corrected weight of impurity in sample (µg):			The second second		
	Maximum corrected weight of impurity in sample (µg):		Section Section 1			
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second second second
Ni	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			the second second second second		the second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1.1	Measured concentration of impurity in sample (µg/ml):			Ca	La Conserva	
13	Uncorrected weight of impurity in sample (µg):		The second second			
Ca	Weight of impurity in blank (µg):	and the second second		the state of the state		the set of the set of the
- 1	Minimum corrected weight of impurity in sample (µg):				and the second second	
	Maximum corrected weight of impurity in sample (µg):					
1.3	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Al		the second s
AI	Weight of impurity in blank (µg):			Contraction of the local division of the loc		the state of the s
	Minimum corrected weight of impurity in sample (µg):			and the second se		
1	Maximum corrected weight of impurity in sample (µg):	THE REFERENCE				
	Measured concentration of impurity in sample (µg/ml):		C. C. Star Line of	Ti	States and a second	
13	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			and the second second		
1.1	Minimum corrected weight of impurity in sample (µg):					
1	Maximum corrected weight of impurity in sample (µg):			N.		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			V		and
v	Weight of impurity in blank (µg):			The state of the set		A REAL PROPERTY AND A REAL PROPERTY.
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	A CONTRACTOR				
						COLUMN TWO IS NOT THE OWNER.

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Field C. Montgomery 2-8-2018 Operator Date

### Data Report Form DRF-26B: Post-Burn Leach Uranium and Impurities

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	B&W J52R-16-14156C and B&W J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	Post-burn leach blank
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14156C&D-Group 2_DRF26R3.xls

Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total
1.1.1.4	Post-burn leach solution ID:	B18012905	B18013005	A CALL AND A CALL
	Total volume of leach solution (ml):	48.8	48.0	
No. of Street, or other			the second states in	
1221	Radiochemical laboratory analysis number:	18079-005	18079-010	
11.44	Measured uranium concentration (µg/ml):	3.14E-04	1.88E-04	
	Uncertainty in uranium concentration (µg/ml):	3.14E-05	1.88E-05	
	Weight uranium leached (g):	1.53E-08	9.02E-09	2.43E-08
	Uncertainty in weight uranium leached (g):	1.55E-09	9.11E-10	1.79E-09
	Equivalent number of leached kernels:	3.89E-05	2.29E-05	6.18E-05
-	Uncertainty in equivalent number of leached kernels:	3.94E-06	2.32E-06	4.60E-06
15 -36			the state of the second dates	and a second of the
Fe	Measured concentration (µg/ml):		1	Fe
	Total weight of leached impurity (µg):			A DECEMPTOR OF A DECEMPTOR OF A DECEMPTOR OF A DECEMPTOR A DECEMPTOR A DECEMPTOR A DECEMPTOR A DECEMPTOR A DECE
Cr	Measured concentration (µg/ml):			Cr
	Total weight of leached impurity (µg):	1 - De North North		
Mn	Measured concentration (µg/ml):	X 3 2 3		Mn
	Total weight of leached impurity (µg):			
Co	Measured concentration (µg/ml):			Со
and and the	Total weight of leached impurity (µg):			
Ni	Measured concentration (µg/ml):	No. 1 Annual Contract	and the second sec	Ni
	Total weight of leached impurity (µg):			
Ca	Measured concentration (µg/ml):			Ca
	Total weight of leached impurity (µg):			Constant of the
AI	Measured concentration (µg/ml):			AI
	Total weight of leached impurity (µg):		The second second second	
Ti	Measured concentration (µg/ml):	and the second second		Ti
	Total weight of leached impurity (µg):		Call Contraction	
v	Measured concentration (µg/ml):		Charles and the second	V
	Total weight of leached impurity (µg):			

#### Comments

FCM checked the data against the official Results of Analyses report for RMAL18079 on 2/07/2018.

Fud c. Montgomery

2-8-2018

Date

#### Data Report Form DRF-26A: Pre-Burn Leach Uranium and Impurities

	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1801, 1834, 1818, 1826, 1830
DRF filename:	14156D_PF25-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19021801	L19022001	Contract of the second second	W19022003	
	Total volume of leach solution (ml):	143.0	131.0	and second and plan	40.0	
1		11510	151.0	- Andrewski and	40.0	
	RMAL analysis number:	19145-001	19145-003	Contraction of the	19145-005	
	Measured uranium concentration (µg/ml):		1.18E-02		1.85E-03	
	Uncertainty in uranium concentration (µg/ml):		1.18E-03	And a state of the	1.85E-04	
	Weight uranium leached (g):	1.03E-02 1.48E-05	1.54E-06	1.63E-05	7.40E-08	N
	Uncertainty in weight uranium leached (g):	1.48E-06	1.54E-07	1.49E-06	7.50E-09	the second s
	Equivalent number of leached kernels:	3.75E-02	3.91E-03	4.14E-02	1.88E-04	
	Uncertainty in equivalent number of leached kernels:	3.77E-03	3.93E-04	3.79E-03	1.91E-05	
1900					Contraction of the	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			an at the set		a the same of the same in the same in the same
	Minimum corrected weight of impurity in sample (µg):	and the second second				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
Cr	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Mn		and the state of the
Mn	Weight of impurity in blank (µg):			ATT OF LAST OF LAST OF LAST		
	Minimum corrected weight of impurity in sample (µg):			the second s		
	Maximum corrected weight of impurity in sample (µg):					and the second second second
Co	Measured concentration of impurity in sample (µg/m]):			Co		
	Uncorrected weight of impurity in sample (µg):			CU		
	Weight of impurity in blank (µg):					the second second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	Constant of the second s	and the second se	Ni	and the second	All sets and the set of the set of the
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			The second second second second		and the star star you wanted
	Minimum corrected weight of impurity in sample (µg):					and the second
	Maximum corrected weight of impurity in sample (µg):					and the state of the state of the state
	Measured concentration of impurity in sample (µg/ml):			Ca		a the state of the state of the
Ca	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the second sec		And the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			A1.		The second second second
	Uncorrected weight of impurity in sample (µg/mi):			AI		and have been a stand of the second
AI	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):			and the state of the		
	Maximum corrected weight of impurity in sample (µg):					and the second second second second
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ті	Weight of impurity in blank (ug):				1	the second s
	Minimum corrected weight of impurity in sample (µg):			and the second se	-	a la ser de la companya de
	Maximum corrected weight of impurity in sample (µg):		In the second second	A CONTRACTOR		and the second second second second
v	Measured concentration of impurity in sample (µg/ml):			V		and the second
	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg):			S. Sumanitation		
	Minimum corrected weight of impurity in sample (µg):					and the second second second
	Maximum corrected weight of impurity in sample (µg):					A la state of the state

Comments

Leached in Vessel #31 (previously used for 14154C-Group 1 Clutch 1). FCM checked the recorded data against the official Results of Analysis for RMAL19145 on 3/21/2019.

Fiel C. Montgomery Operator

4-18-2019

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1809, 1817, 1823, 1803, 1833
DRF filename:	14156D_PF25-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Makes	
-	Dre hum least solution TD:			Iotal	Water rinse	Include if > 10% of 2nd leach
_	Pre-burn leach solution ID: Total volume of leach solution (ml):	L19021802	L19022002	The Part of the State	W19022004	
-	Total volume of leach solution (m):	138.0	133.0	and the second of the	40.0	
	RMAL analysis number:	19145-002	19145-004	The state	10145 000	
-	Measured uranium concentration (µg/ml):	1.11E-01	1.48E-02	Cale State	19145-006 2.38E-03	
	Uncertainty in uranium concentration (µg/ml):	1.11E-02	1.48E-02		2.38E-03	
	Weight uranium leached (g):	1.53E-05	1.97E-06	1.73E-05	9.51E-08	N
	Uncertainty in weight uranium leached (g):	1.53E-06	1.97E-07	1.54E-06	9.64E-09	. 11
	Equivalent number of leached kernels:	3.88E-02	5.00E-03	4.38E-02	2.41E-04	
1	Uncertainty in equivalent number of leached kernels:	3.90E-03	5.03E-04	3.94E-03	2.46E-05	
1227		and the second second	and the second second			
	Measured concentration of impurity in sample (µg/ml):		Charles - JEL	Fe		
	Uncorrected weight of impurity in sample (µg):			Carlo Di Barri		
Fe	Weight of impurity in blank (µg):					and the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			La Bronnik aver		
	Measured concentration of impurity in sample (µg/ml):	A set of the second set	and the second sec	Cr		and the second sec
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		A shi and a start of the
Mn	Uncorrected weight of impurity in sample (µg):	2				
MI	Weight of impurity in blank (µg):			A CONTRACTOR		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Co		and a second
Co	Weight of impurity in blank (µg):			the second states of		and the second s
	Minimum corrected weight of impurity in sample (µg):			NAME OF TAXABLE PARTY.		
	Maximum corrected weight of impurity in sample (µg):					and the second second
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			141		
Ni	Weight of impurity in blank (µg):		100 B 100 B	State State State		and the second second second
	Minimum corrected weight of impurity in sample (µg):	NEW COLDERS				and the second
	Maximum corrected weight of impurity in sample (µg):					
1	Measured concentration of impurity in sample (µg/ml):		and the second second	Ca	and the second s	
	Uncorrected weight of impurity in sample (µg):			A STATE OF A STATE		Contraction of the second second
Ca	Weight of impurity in blank (µg):	Sector Sector Sector		The second s		
	Minimum corrected weight of impurity in sample (µg):	State of the second				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		and the second states of the second states of the
	Uncorrected weight of impurity in sample (µg):			And the first Rank		
AI	Weight of impurity in blank (µg):					and the second second
	Minimum corrected weight of impurity in sample (µg):					and the state of the Re-
	Maximum corrected weight of impurity in sample (µg):					the second second second second
	Measured concentration of impurity in sample (µg/ml):			Ti	100 100 100 mg (10)	the state of the state of the state of the
ті	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg):				1	and the strand the state of the
	Minimum corrected weight of impurity in sample (µg):					A PARTY AND AND
	Maximum corrected weight of impurity in sample (µg):					the second s
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			V		and the second state of the second state of the
v	Weight of impurity in blank (µg):			CALL OF THE OWNER		
	Minimum corrected weight of impurity in sample (µg):			and the state of the		Real and a second second second second
H	Maximum corrected weight of impurity in sample (µg):					and the second second second
	has a structure weight of imparity in sample (µg).					and the second

Comments

Leached in Vessel #32 (previously used for 14154C-Group 1 Clutch 2). FCM checked the recorded data against the official Results of Analysis for RMAL19145 on 3/21/2019.

Fred c. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1832, 1825, 1820, 1835, 1815
DRF filename:	14156D_PF25-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if >
	Pre-burn leach solution ID:	L19021101	L19021301		W19021303	Contraction of the local distance
	Total volume of leach solution (ml):	155.0	140.0	Arrist of Strengthing	40.0	
1 and		The lot of		the second states	1010	
1	RMAL analysis number:	19129-001	19129-003	and the second second	19129-005	
	Measured uranium concentration (µg/ml):	1.22E-01	1.22E-02	Martin Carponer 1	2.32E-03	
	Uncertainty in uranium concentration (µg/ml):	1.22E-02	1.22E-03	and the second second	2.32E-04	
	Weight uranium leached (g):	1.89E-05	1.71E-06	2.06E-05	9.28E-08	
	Uncertainty in weight uranium leached (g):	1.89E-06	1.71E-07	1.90E-06	9.40E-09	And the second second
	Equivalent number of leached kernels:	4.80E-02	4.34E-03	5.23E-02	2.36E-04	
	Uncertainty in equivalent number of leached kernels:	4.83E-03	4.36E-04	4.85E-03	2.40E-05	
2.2.2		the state of the state	Contraction of the second	HE TOTAL	Contract South	
	Measured concentration of impurity in sample (µg/ml):			Fe		
L. B. C.	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):					and the second second
	Minimum corrected weight of impurity in sample (µg):			100 C 10 C 10 C		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr	and the second se	the second second
	Uncorrected weight of impurity in sample (µg):			2000		5. 31 - F . A
Cr	Weight of impurity in blank (µg):			nat allow a set		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):	the state of the s				
	Measured concentration of impurity in sample (µg/ml):			Mn		A STATES
Mn	Uncorrected weight of impurity in sample (µg):					
Part	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			0.		
	Uncorrected weight of impurity in sample (µg):			Со		The stress man
Co	Weight of impurity in blank (µg):			Statement of the local data		and the second second
	Minimum corrected weight of impurity in sample (µg):			and the second second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		Contraction of the second	Ni		
1	Uncorrected weight of impurity in sample (µg):			141		and the second second
Ni	Weight of impurity in blank (µg):	Contraction of the second second		and the second second		States and the second
	Minimum corrected weight of impurity in sample (µg):	an a subscription of the	S. C. S. S. M. 4			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the second of the		Child and Child
1.1.1	Minimum corrected weight of impurity in sample (µg):					
14 C	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):		A LOT THE OWNER	and an and a star		and the second
	Minimum corrected weight of impurity in sample (µg):	AND A DESCRIPTION OF A			1	
_	Maximum corrected weight of impurity in sample (µg):			Contra Contra		
	Measured concentration of impurity in sample (µg/ml):			Ti		Sur all all
ті	Uncorrected weight of impurity in sample (µg):					13/30/453
	Weight of impurity in blank (µg):			and the stand of the stand of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			v		Constant State
v	Weight of impurity in blank (µg):			Contraction of the local division of the loc		and the second second second
v	Minimum corrected weight of impurity in sample (µg):			and the		
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	right of impurity in sample (µg).					The line of the line

10% of 2nd leach

N

Comments

Leached in Vessel #33 (previously used for 14154C-Group 1 Clutch 3). FCM checked the recorded data against the official Results of Analysis for RMAL19129 on 3/21/2019.

Fiel C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1816, 1813, 1822, 1827, 1814
DRF filename:	14156D_PF25-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

Include if > 10% of 2nd leach

Ν

	1	First Leach	Second Leach	Total	Water rins
	Pre-burn leach solution ID:	L19021102	L19021302		W1902130
	Total volume of leach solution (ml):	156.0	140.0	Instants - El Chief	40.0
1932.57		130.0	140.0	and the second	40.0
-	RMAL analysis number:	19129-002	19129-004	and the second	19129-00
	Measured uranium concentration (µg/ml):	7.76E-02	8.80E-03		1.63E-03
-	Uncertainty in uranium concentration (µg/ml):	7.76E-03	8.80E-04	and the second s	1.63E-04
	Weight uranium leached (g):	1.21E-05	1.23E-06	1.33E-05	6.52E-08
	Uncertainty in weight uranium leached (g):	1.21E-06	1.23E-07	1.22E-06	6.61E-09
	Equivalent number of leached kernels:	3.07E-02	3.13E-03	3.39E-02	1.65E-04
	Uncertainty in equivalent number of leached kernels:	3.09E-03	3.15E-04	3.11E-03	1.68E-05
12.60		STOPE 05	5.152 01	5.112 05	1.002 05
	Measured concentration of impurity in sample (µg/ml):		10127 C 10 10 10	Fe	
	Uncorrected weight of impurity in sample (µg):				
Fe	Weight of impurity in blank (µg):			Contraction of the second	
	Minimum corrected weight of impurity in sample (µg):			Contraction of the	
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):		and the second second	Cr	
	Uncorrected weight of impurity in sample (µg):	-		01	
Cr	Weight of impurity in blank (µg):			The Contraction of the Contracti	1
	Minimum corrected weight of impurity in sample (µg):			and a second date of the local	
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Mn	
	Uncorrected weight of impurity in sample (µg):			Pill	
Mn	Weight of impurity in blank (µg):			The second second second	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Co	
	Uncorrected weight of impurity in sample (µg):			CO	
Co	Weight of impurity in blank (µg):			And Property in the local division of the lo	
	Minimum corrected weight of impurity in sample (µg):			The second second second	
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Ni	
	Uncorrected weight of impurity in sample (µg):			INI	
Ni	Weight of impurity in blank (µg):			State of the owner owner owner owner owner own	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
-	Measured concentration of impurity in sample (µg/ml):			Са	
	Uncorrected weight of impurity in sample (µg/iii):			La	
Ca	Weight of impurity in blank (µg):			and the second second	
-	Minimum corrected weight of impurity in sample (µg):			and the second	
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			AI	
ł	Uncorrected weight of impurity in sample (µg/m):			AI	
AL	Weight of impurity in blank (µg):			and the second second	-
~'	Minimum corrected weight of impurity in sample (µg):			The second s	
-	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Ti	
H	Uncorrected weight of impurity in sample (µg/mi):				
Ti F	Weight of impurity in blank (µg):			CARL CRACK STREET, STR	
F	Minimum corrected weight of impurity in sample (µg):			Contraction of Second	
H	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):				
-	Measured concentration of impurity in sample (µg/ml):			v	
-	Uncorrected weight of impurity in sample (µg/mi):			V	
v				and the second se	
* F	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			AN A CONTRACTOR OF	
H	Maximum corrected weight of impurity in sample (µg):				
	Plaximum confected weight of impurity in sample (µg):				

Comments

Leached in Vessel #30 (previously used for 14154C-Group 1 Clutch 4). FCM checked the recorded data against the official Results of Analysis for RMAL19129 on 3/21/2019.

Fael c. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1801, 1834, 1818, 1826, 1830
DRF filename:	14156D_PF25-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	1	First Leach	Second Leach	Total	Water since	Technica (f. 100/ of 2-d local
	Post-burn leach solution ID:			Total	Water rinse	Include if > 10% of 2nd leach
	Total volume of leach solution (ml):	B19022801	B19030501	and the second second	W19030503	
Contraction of the		56.2	68.0	and an all the second	10.0	
	RMAL analysis number:	19192-001	19192-003	A Read Provide State	19192-005	
	Measured uranium concentration (µg/ml):	8.73E-02	2.44E-03	and the second second second	6.87E-04	
	Uncertainty in uranium concentration (µg/ml):	8.73E-03	2.44E-04	The state of the	6.87E-05	
	Weight uranium leached (g):	4.91E-06	1.66E-07	5.07E-06	6.87E-09	N
	Uncertainty in weight uranium leached (g):	4.94E-07	1.67E-08	4.94E-07	8.19E-10	and the state of the state of the state of the state
	Equivalent number of leached kernels:	1.25E-02	4.21E-04	1.29E-02	1.74E-05	
	Uncertainty in equivalent number of leached kernels:	1.26E-03	4.25E-05	1.26E-03	2.09E-06	
a leger		The state of the s	And and the second	and the state	Contrar 2 15 2	
	Measured concentration of impurity in sample (µg/ml):			Fe		a statistic states and the
Fe	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			Name of Concession, Name of Street, or other		
1.0	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):	THE R. L. L.				
Cr	Weight of impurity in blank (µg):			C. Martin Strate		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		And The Manual Contain
Ma	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			Alt and a state		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):			CO		
Co	Weight of impurity in blank (µg):			CONTRACTOR OF THE OWNER OF		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			1		
	Measured concentration of impurity in sample (µg/ml):		and the second	Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			Called States		and the second second
10 A	Minimum corrected weight of impurity in sample (µg):					- March Street Street Street
	Maximum corrected weight of impurity in sample (µg):				-1 /1	
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg);			Ca		and the second second second
Ca	Weight of impurity in blank (µg):			IL COLUMN AND AND		and the set of the set of the set of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					a second second second second second
	Measured concentration of impurity in sample (µg/ml):	A CONTRACTOR OF A CONTRACTOR A C		Al		
10.04	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			the state of the		
	Minimum corrected weight of impurity in sample (µg):					and the second
_	Maximum corrected weight of impurity in sample (µg):					and the second in
	Measured concentration of impurity in sample (µg/ml):			Ti		a standard the state
Ti	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					and the second of the
	Maximum corrected weight of impurity in sample (µg):					The second second second
	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second		A sector and a sector
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					A second of the second se

FCM checked the recorded data against the official Results of Analysis for RMAL19192 on 4/12/2019.

**Comments** 

Fred C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1809, 1817, 1823, 1803, 1833
DRF filename:	14156D_PF25-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19022802	B19030502	IUCAI	W19030504	
	Total volume of leach solution (ml):	57.2	58.8	Contraction of the	20.0	
- Carlos		57.2		Construction of the second	20.0	
	RMAL analysis number:	19192-002	19192-004		19192-006	
	Measured uranium concentration (µg/ml):	8.78E-01	7.93E-01	and your China	5.75E-03	
	Uncertainty in uranium concentration (µg/ml):	8.78E-02	7.93E-02	and the second se	5.75E-04	
	Weight uranium leached (g):	5.02E-05	4.66E-05	9.69E-05	1.15E-07	N
	Uncertainty in weight uranium leached (g):	5.05E-06	4.69E-06	6.90E-06	1.21E-08	and the second s
	Equivalent number of leached kernels:	1.27E-01	1.18E-01	2.46E-01	2.92E-04	
_	Uncertainty in equivalent number of leached kernels:	1.29E-02	1.20E-02	1.77E-02	3.08E-05	
1 States		Production and a	and the second s	Contraction of the	the second second second	
	Measured concentration of impurity in sample (µg/ml):			Fe		and the loss of the second
Fe	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			Martin Contractor States of		
	Minimum corrected weight of impurity in sample (µg):			and the second		
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):	and the second				
	Maximum corrected weight of impurity in sample (µg):			Read and the second		
	Measured concentration of impurity in sample (µg/ml):			Mn	- C	- Contraction of the second
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			17 Alter Friday Carl		
$1 \leq 1$	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Со		and at the second the second second second
Co	Weight of impurity in blank (µg):			Software and the second		
	Minimum corrected weight of impurity in sample (µg):			and the lost of the lost		
	Maximum corrected weight of impurity in sample (µg):			ALC: NOT THE PARTY		
	Measured concentration of impurity in sample (µg/ml):	and the second		Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):	March 19 Contract of the	No. Contraction	a film and a film and		and the second state of the second of
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1.1	Measured concentration of impurity in sample (µg/ml):			Ca		and the second second second second
0	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			State State State		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg/m):			AI		
AI	Weight of impurity in blank (µg):			The second second		Participation of the second
	Minimum corrected weight of impurity in sample (µg):				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
	Maximum corrected weight of impurity in sample (µg):	1000				
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			L'and the second		and the state of the state of the state of the
	Minimum corrected weight of impurity in sample (µg):			and the second second		and the second se
	Maximum corrected weight of impurity in sample (µg):					2 April and the factor of the second
	Measured concentration of impurity in sample (µg/ml):			v		and the second states and the second
v	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			and a straight		
	Maximum corrected weight of impurity in sample (µg):		-			in the state of the state of the state
	right of impurity in sample (µg).					the second second second

**Comments** 

FCM checked the recorded data against the official Results of Analysis for RMAL19192 on 4/12/2019.

Fred C. Montgomery

4-18-2019 Date

	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1832, 1825, 1820, 1835, 1815
DRF filename:	14156D_PF25-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19022101	B19022501		W19022503	and the second
	Total volume of leach solution (ml):	55.7	59.0	and the second sec	20.0	
10 27		5517	33.0		20.0	
	RMAL analysis number:	19159-001	19159-003		19159-005	
	Measured uranium concentration (µg/ml):	8.54E-02	2.04E-03		1.18E-03	
1.0	Uncertainty in uranium concentration (µg/ml):	8.54E-03	2.04E-04	and the second second second second second	1.18E-04	
1	Weight uranium leached (g):	4.76E-06	1.20E-07	4.88E-06	2.36E-08	N
	Uncertainty in weight uranium leached (g):	4.79E-07	1.21E-08	4.79E-07	2.49E-09	
	Equivalent number of leached kernels:	1.21E-02	3.05E-04	1.24E-02	6.00E-05	
	Uncertainty in equivalent number of leached kernels:	1.22E-03	3.09E-05	1.22E-03	6.34E-06	
Part P	The same of the second s		DIOSE 00	ITELE 05	0.512 00	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					a trade of the second sec
Fe	Weight of impurity in blank (µg):			C. C		The second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):	Service Constants				
Cr	Weight of impurity in blank (µg):			- the second		and the second se
	Minimum corrected weight of impurity in sample (µg):				I CALCULATE IN	
	Maximum corrected weight of impurity in sample (µg):		Constant Herza	2		
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):					Standing the state of the state
	Minimum corrected weight of impurity in sample (µg):			Carlos and a state of the		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		Statements and a second	Co		
	Uncorrected weight of impurity in sample (µg):					Contraction and the second
Co	Weight of impurity in blank (µg):	THE STREET		Contraction of the second		and the second se
	Minimum corrected weight of impurity in sample (µg):					
1. Sec.	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		Sector Sector Sector	Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			and the second second		A State State State of the state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):		and the second			
Ca	Weight of impurity in blank (µg):			and the second second		the state of the state of the
	Minimum corrected weight of impurity in sample (µg):					
1.1	Maximum corrected weight of impurity in sample (µg):	1 1 1 1				
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			and the second second		and the second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					the state of the second se
	Measured concentration of impurity in sample (µg/ml):			Ti		the state of the second state of the
_	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):	and the second second		Calls to an and a family	alle alle	The state of the second se
	Minimum corrected weight of impurity in sample (µg):					And the second sec
	Maximum corrected weight of impurity in sample (µg):				1	Martin Play Souther State
	Measured concentration of impurity in sample (µg/ml):			V		The second s
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):					And the second second second second
L	Minimum corrected weight of impurity in sample (µg):					and the state of the state of the
	Maximum corrected weight of impurity in sample (µg):			1		and the second states and

FCM checked the recorded data against the official Results of Analysis for RMAL19159 on 3/26/2019.

Comments

Fred C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14156D
Compact lot description:	AGR-5/6/7 compacts, 25% packing fraction
Compact ID numbers:	1816, 1813, 1822, 1827, 1814
DRF filename:	14156D_PF25-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19022102	B19022502	Example of the second	W19022504	
	Total volume of leach solution (ml):	57.7	57.5	and the second second	20.0	
1000		57.7		a standard and the	20.0	
	RMAL analysis number:	19159-002	19159-004	1 and the second se	19159-006	
	Measured uranium concentration (µg/ml):	8.55E-02	2.31E-03		6.32E-04	
	Uncertainty in uranium concentration (µg/ml):	8.55E-03	2.31E-04	Carlos a contractor	6.32E-05	
	Weight uranium leached (g):	4.93E-06	1.33E-07	5.06E-06	1.26E-08	N
	Uncertainty in weight uranium leached (g):	4.96E-07	1.34E-08	4.97E-07	1.33E-09	
	Equivalent number of leached kernels:	1.25E-02	3.37E-04	1.29E-02	3.21E-05	
	Uncertainty in equivalent number of leached kernels:	1.27E-03	3.41E-05	1.27E-03	3.39E-06	
and the second					Real Contractor	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):					and the second second second
	Minimum corrected weight of impurity in sample (µg):		COLOR STREET			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		Careera and the	Cr		The section of the se
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			and all states and the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1 - 3	Measured concentration of impurity in sample (µg/ml):			Mn		Party and a second and a second
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			Sand Martine The The		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		the the second second
Co	Uncorrected weight of impurity in sample (µg):					
0	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					
1.0	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
7	Uncorrected weight of impurity in sample (µg):			INI		
Ni	Weight of impurity in blank (µg):			and the second designed to the second designed to the second designed and the second designed and the second de		and the second s
	Minimum corrected weight of impurity in sample (µg):			C. LON DRUGHLON		
100	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		1	Ca		
- 17	Uncorrected weight of impurity in sample (µg):			Cu		the second provide the second second
Ca	Weight of impurity in blank (µg):			and the same of the same of		AND DESCRIPTION OF ANY
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (ug):					
	Measured concentration of impurity in sample (µg/ml):	A DESCRIPTION OF THE OWNER OF		AI		
	Uncorrected weight of impurity in sample (µg):	P CASE OF		A Contract of the second second		
AI	Weight of impurity in blank (µg):			Contraction of the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1.0	Measured concentration of impurity in sample (µg/ml):	and the strength		Ti	and the second second	
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			a transmission		
	Minimum corrected weight of impurity in sample (µg):					the state of the second state of the
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		WE are the set of the set
	Uncorrected weight of impurity in sample (µg):					
V	Weight of impurity in blank (µg):			A CONTRACTOR OF STATE		WALLAND LITER & WALLAND
	Minimum corrected weight of impurity in sample (µg):					the ford of the second second
1.00	Maximum corrected weight of impurity in sample (µg):					and the well that have been - the

FCM checked the recorded data against the official Results of Analysis for RMAL19159 on 3/26/2019.

Comments

Fied C. Montgomeey

4-18-2019 Date

APPENDIX D. REPORT FORMS FOR 40% PF COMPACT LBL

Inspection Report Form IRF-B: Summary of Impurites Outside SiC - Maximum Corrected Values	
	_

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID sumbary	1021, 1042,	1004, 1016,	1006, 1057,	1002, 1036,		Standard
Compact ID numbers:	1056, 1093, 1105	1018, 1085, 1101	1068, 1078, 1107	1038, 1083, 1098	Mean	Deviation
Number of compacts:	5	5	5	5	Contract States	
Iron						
Pre-burn leach (DRF-26A) (µg):	102.24	114.25	122.92	119.03		
Post-burn leach (DRF-26B) (µg):	117.31	117.96	155.01	114.58		
Total leached (µg):	219.55	232.21	277.93	233.61		
Fe outside SiC (µg/compact):	43.91	46.44	55.59	46.72	48.16	5.11
Chromium	45.51	40.44	33.33	40.72	40.10	5.11
Pre-burn leach (DRF-26A) (µg):	1.47	1.92	3.99	2.02		
Post-burn leach (DRF-26B) (µg):	1.05	0.77	0.90	0.83		
Total leached (µg):	2.52	2.69	4.89	2.85		
Cr outside SiC (µg/compact):	0.50	0.54	0.98	0.57	0.65	0.22
Manganese	0.00	0.54	0.30	0.37	0.05	0.22
Pre-burn leach (DRF-26A) (µg):	1.29	1.42	1.31	1.42		
Post-burn leach (DRF-26B) (µg):	0.45	0.31	0.33	0.37		
Total leached (µg):	1.75	1.73	1.64	1.78		
Mn outside SiC (µg/compact):	0.35	0.35	0.33	0.36	0.345	0.013
Cobalt	0.00	0.00	0.00	0.30	0.345	0.013
Pre-burn leach (DRF-26A) (µg):	0.03	0.06	0.04	0.04		
Post-burn leach (DRF-26B) (µg):	0.05	0.06	0.04	0.04		
Total leached (µg):	0.09	0.11	0.12	0.09		
Co outside SiC (µg/compact):	0.017	0.023	0.025	0.018	0.021	0.004
Nickel	01017	0.025	0.025	0.010	0.021	0.004
Pre-burn leach (DRF-26A) (µg):	2.92	5.73	4.05	8.51		
Post-burn leach (DRF-26B) (µg):	2.85	2.57	3.38	2.75		
Total leached (µg):	5.77	8.30	7.43	11.25		
Ni outside SiC (µg/compact):	1.15	1.66	1.49	2.25	1.64	0.46
Transition Metals			1115		1.04	0.40
Cr+Mn+Co+Ni outside SiC (µg/compact):	2.03	2.57	2.82	3.20	2.65	0.49
Calcium				0120	2100	0.45
Pre-burn leach (DRF-26A) (µg):	532.64	567.86	491.77	489.92		
Post-burn leach (DRF-26B) (µg):	48.50	58.77	45.46	50.55		
Total leached (µg):	581.15	626.63	537.23	540.47		
Ca outside SiC (µg/compact):	116.23	125.33	107.45	108.09	114.27	8.38
Aluminum			207110	100105		0.50
Pre-burn leach (DRF-26A) (µg):	604.67	606.05	573.87	595.01		
Post-burn leach (DRF-26B) (µg):	87.93	63.66	66.78	81.06		
Total leached (µg):	692.59	669.71	640.65	676.07		
Al outside SiC (µg/compact):	138.52	133.94	128.13	135.21	133.95	4.33
Titanium						100
Pre-burn leach (DRF-26A) (µg):	21,57	19.58	24.84	28.18		
Post-burn leach (DRF-26B) (µg):	29.17	26.65	22.17	21.10		
Total leached (µg):	50.74	46.23	47.01	49.28		
Ti outside SiC (µg/compact):	10.15	9.25	9.40	9.86	9.66	0.41
Vanadium	States and	and the second	CALL CONTRACT	and the second		
Pre-burn leach (DRF-26A) (µg):	15.10	16.29	15.81	16.51		
Post-burn leach (DRF-26B) (µg):	13.02	11.04	11.55	11.38		
· · · · · · · · · · · · · · · · · · ·	28.13	27.33	27.36	27.90		
Total leached (ug):					and the second se	
Total leached (µg): V outside SiC (µg/compact):	5.63	5.47	5.47	5.58	5.54	0.08
	5.63	5.47	5.47	5.58	5.54	0.08

Comments

Data has been verified.

Fud c. Montgomery

2-8-2018 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:	1009, 1015, 1059, 1065, 1069	1013, 1026, 1029, 1066, 1071	1054, 1062, 1089, 1096, 1097	1023, 1040, 1048, 1084, 1088	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	2.1E+00	3.1E+00	2.0E+00	2.7E+00	1.0E+01

Comments

Data has been verified.

Fied C. Minitgomery Operator

2-8-2018

Date

D-4

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:	1021, 1042, 1056, 1093, 1105	1004, 1016, 1018, 1085, 1101	1006, 1057, 1068, 1078, 1107	1002, 1036, 1038, 1083, 1098	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	3.3E-02	4.6E-02	1.1E+00	3.2E-02	1.2E+00

Comments

Data has been verified.

Fud C. Numtgomery Operator

2-8-2018 Date

Procedure:	AGR-CHAR-D	AGR-CHAR-DAM-26 Rev. 3			
Operator:	Montgomery	1ontgomery			
Compact lot ID:	BWXT J52R-16	5-14154C			
Compact lot description:	AGR-5/6/7 col	mpacts, 40% p	acking fraction		
	1052, 1086,	1072, 1064,	1094, 1050,	1031, 1080,	
Compact ID numbers:	1104, 1034,	1027, 1103,	1106, 1079,	1076, 1092,	Total
	1007	1061	1041	1051	
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	1.0E+00	1.0E+00	1.1E+00	3.6E-02	3.2E+00

Comments

Fred C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:		1124, 1151, 1211, 1166, 1170	1194, 1195, 1156, 1169, 1205		Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	4.5E+00	2.3E-01	4.6E-02	2.1E+00	6.8E+00

<u>Comments</u>

Fred C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:		1145, 1186, 1113, 1214, 1119	1148, 1159, 1127, 1190, 1189	1202, 1121, 1208, 1207, 1183	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	2.0E+00	4.3E-02	2.1E+00	1.1E+00	5.2E+00

Comments

Fied C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator: I	Montgomery/Dyer
Compact lot ID: I	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:	1009, 1015, 1059, 1065, 1069	1013, 1026, 1029, 1066, 1071	1054, 1062, 1089, 1096, 1097	1023, 1040, 1048, 1084, 1088	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	1.0E+00	8.6E-02	8.4E-01	1.0E+00	3.0E+00

Comments

Data has been verified.

Fuel C. Montgomery Operator

2-8-2018

Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:	1021, 1042, 1056, 1093, 1105	1004, 1016, 1018, 1085, 1101	1006, 1057, 1068, 1078, 1107	1002, 1036, 1038, 1083, 1098	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	3.8E-02	3.2E-02	1.1E+00	3.5E-02	1.2E+00

**Comments** 

Data has been verified.

Fied C. Montgomery Operator

2-8-2018

Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:		1072, 1064, 1027, 1103, 1061			Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	6.0E-02	2.1E+00	1.1E-01	2.1E+00	4.4E+00

Comments

Fred C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:			1194, 1195, 1156, 1169, 1205	1126, 1140, 1184, 1203, 1191	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	1.1E+00	1.1E+00	2.9E+00	3.9E-02	5.2E+00

Comments

Fied c. montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:		1145, 1186, 1113, 1214, 1119		1202, 1121, 1208, 1207, 1183	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	1.1E+00	3.3E-02	1.0E+00	1.0E+00	3.2E+00

Comments

Fied C. Montgomery Operator

4-18-2019 Date

Data Report For	m DRF-26A: Pre-Bum Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1009, 1015, 1059, 1065, 1069
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 1 DRF26R3.xls

	Number of compacts:		5			
	Average weight uranium per particle, mean value (g):		3.94E-04	The second s		
Av	erage weight uranium per particle, uncertainty in mean (g):	7 - 5.0	3.94E-06			
	l l l l l l l l l l l l l l l l l l l	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
-	Pre-burn leach solution ID:	L17110801	L17110901	Total		
-	Total volume of leach solution (ml):	156.0	91.0	Sector State	W17111001	
-	Total volume of leach solution (III).	130.0	91.0	and the second second	150.0	
-	Radiochemical laboratory analysis number:	17812-001	17812-006	a standard	17012 011	
	Measured uranium concentration (µg/ml):	4.93E+00	5.99E-01	Low to get the	17812-011 7.97E-02	
	Uncertainty in uranium concentration (µg/ml):	4.93E-01	5.99E-02		7.97E-02	
-	Weight uranium leached (g):	7.69E-04	5.45E-05	8.36E-04	1.20E-05	Y
	Uncertainty in weight uranium leached (g):	7.70E-05	5.46E-06	7.72E-05	1.20E-06	a subject of the state of the state of the state of the
	Equivalent number of leached kernels:	1.95E+00	1.38E-01	2.12E+00	3.03E-02	
	Uncertainty in equivalent number of leached kernels:	1.96E-01	1.39E-02	1.97E-01	3.05E-02	
Distant in		1.502 01	1.552 02	1.572-01	3.03L-03	
	Measured concentration of impurity in sample (µg/ml):			Fe		
1.75	Uncorrected weight of impurity in sample (µg):	30.000	A DECEMBER OF THE OWNER			the second s
Fe	Weight of impurity in blank (µg):		Contract Street A	Con about Y		and the second of the
1	Minimum corrected weight of impurity in sample (µg):		Constanting of the second		111111111111	
1.00	Maximum corrected weight of impurity in sample (µg):					
1247	Measured concentration of impurity in sample (µg/ml):			Cr	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	
	Uncorrected weight of impurity in sample (µg):	desidence and	Contraction of the Local			
Cr	Weight of impurity in blank (µg):			a set of the second second		All and the second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			Contractor Street P	Concernance La	
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	right of impuncy in sample (pg);]					
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	comments					

Fiel C. Montgomen 2-6-2018 Operator

Data Report For	rm DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1013, 1026, 1029, 1066, 1071
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 1_DRF26R3.xls

Average weight uranium per particle, uncertainty in mean (g): 3.94E-06	(Trial)	Number of compacts:		5				
Initial and the second latesh         Total           Re-burn latch solution (D):         117110902         117110902           Redochamical laboratory analysis number:         17812-000         17812-000           Redochamical laboratory analysis number:         17812-000         17812-000           Redochamical laboratory analysis number:         17812-000         17812-000           Measured unanium concentration (lag/ml):         2.444-60         6.554-60         1.21E-03           Uncertainty in weight unanum lackted (p):         3.37E-05         7.465-05         8.38E-05         3.24E-02           Uncertainty in equivalent number of lackted karnets:         8.565-00         3.07E+00         3.24E-02           Measured concentration of impurity in sample (up):         Fe         Measured concentration of impurity in sample (up):         Fe           Measured concentration of impurity in sample (up):         Fe         Fe         Measured concentration of impurity in sample (up):         Fe           Measured concentration of impurity in sample (up):         Fe         Fe         Measured concentration of impurity in sample (up):         Fe           Minimum corrected weight of impurity in sample (up):         Fe         Fe         Fe         Fe           Minimum corrected weight of impurity in sample (up):         Fe         Fe         Fe		Average weight uranium per particle, mean value (g):		3.94E-04				
Pre-turn lach solution (D):         117.110602         117.11062           Total values of Fach solution (D):         13.8.0         11.3.0           Radiochamical laboratory analysis number:         17812-002         17812-002           Measured unnino:         0.5372-01         6.5352-01           Uncertainty in weight unnum lacked (D):         3.372-05         7.4552-04         1.215-03           Uncertainty in weight unnum lacked (D):         3.372-05         7.4552-04         1.215-03           Uncertainty in weight unnum lacked (D):         3.372-05         7.4552-04         1.215-03           Uncertainty in equivalent number of lackthet kernets:         8.605-02         1.905-01         2.127-01           Measured consentation of impurity in sample (pp)         Fe         1.217-05         3.24E-02           Maintum corrected weight of impurity in sample (pp)         Fe         1.216-01         3.24E-02           Measured consentation of impurity in sample (pp)         Fe         1.216-01         3.24E-02           Maintum corrected weight of impurity in sample (pp)         Fe         1.216-01         3.24E-02           Maintum corrected weight of impurity in sample (pp)         Fe         Fe         1.216-01         3.24E-02           Maintum corrected weight of impurity in sample (pp)         Fe         Fe	Av	erage weight uranium per particle, uncertainty in mean (g):		3.94E-06	1.			
Pre-turn lach solution (D):         117.110602         117.11062           Total values of Fach solution (D):         13.8.0         11.3.0           Radiochamical laboratory analysis number:         17812-002         17812-002           Measured unnino:         0.5372-01         6.5352-01           Uncertainty in weight unnum lacked (D):         3.372-05         7.4552-04         1.215-03           Uncertainty in weight unnum lacked (D):         3.372-05         7.4552-04         1.215-03           Uncertainty in weight unnum lacked (D):         3.372-05         7.4552-04         1.215-03           Uncertainty in equivalent number of lackthet kernets:         8.605-02         1.905-01         2.127-01           Measured consentation of impurity in sample (pp)         Fe         1.217-05         3.24E-02           Maintum corrected weight of impurity in sample (pp)         Fe         1.216-01         3.24E-02           Measured consentation of impurity in sample (pp)         Fe         1.216-01         3.24E-02           Maintum corrected weight of impurity in sample (pp)         Fe         1.216-01         3.24E-02           Maintum corrected weight of impurity in sample (pp)         Fe         Fe         1.216-01         3.24E-02           Maintum corrected weight of impurity in sample (pp)         Fe         Fe								
Total volume of lack solution (m1);         138.0         113.0         142.0           Reducchemical laboratory analysis number;         17812-007         17812-007         17812-007           Measured unation: concentration (gar/mi):         2.448+00         6.596+00         1.216-08         1275-08 <td></td> <td></td> <td>First Leach</td> <td>Second Leach</td> <td>Total</td> <td>Water rinse</td> <td>Include if &gt; 10% of 2nd leach</td>			First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach	
Total volume of lack solution (m1);         138.0         113.0         142.0           Reducchemical laboratory analysis number;         17812-007         17812-007         17812-007           Measured unation: concentration (gar/mi):         2.448+00         6.596+00         1.216-08         1275-08 <td></td> <td>Pre-burn leach solution ID:</td> <td>1 17110802</td> <td>117110902</td> <td>Manual Street</td> <td>W17111002</td> <td>AND THE ADDRESS OF THE OWNER</td>		Pre-burn leach solution ID:	1 17110802	117110902	Manual Street	W17111002	AND THE ADDRESS OF THE OWNER	
Total devices analysis number:         17812-002         17812-002           Measured uranium concentration (lg/m):         2.444-00         6.599-01           Uncertainty number:         17812-002         8.999-01           Uncertainty number:         17812-002         8.999-01           Uncertainty number:         1.991-01         2.121-01           Neasured concentration of impurity in sample (lg/n):         Fe         Weight colspan="2">Weight colspan="2">Measured concentration of impurity in sample (lg/n):           Fe         Weight colspan="2">Measured concentration of impurity in sample (lg/n):           Fe         Weight colspan="2">Measured concentration of impurity in sample (lg/n):           Measured concentration of impurity in sample (lg/n): <th colsp<="" td=""><td>1.00</td><td></td><td></td><td></td><td>Carlos and a state</td><td></td><td></td></th>	<td>1.00</td> <td></td> <td></td> <td></td> <td>Carlos and a state</td> <td></td> <td></td>	1.00				Carlos and a state		
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Uncertainty in urainum concentration (g/m)1: 2:446-01         6.995-01           Uncertainty in weight urainum leached (g): 3:376-04         7.455-04         1.225-03           Uncertainty in weight urainum leached (g): 3:376-05         7.455-04         1.225-01         1.225-03           Uncertainty in equivalent number of leached kernets:         6.555-01         1.225-01         3.226-01           Uncertainty in sample (g/g/l):         Fe         Weight of imputy in sample (g/g/l):           Possible of imputy in sample (g/g/l):         C           Measured concentration of imputy in sample (g/g/l):         C           Measured concentration of imputy in sample (g/g/l):           Measured concentration of imputy in sample (g/g/l):         Measured concentration of imputy in sample (g/g/l):           Measured concentration of imputy in sample (g/g/l):         Measured concentration of imputy in sample (g/g/l):           Measured concentration of imputy in sample (g/g/l):         Measured concentration of imputy in sample (g/g/l):           Measured concentration of imputy in sample (g/g/l):         Measured concentration of imputy in sample (g/g/l):         Measured concentration of imputy in s		Radiochemical laboratory analysis number:	17812-002	17812-007		17812-012		
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		0		and the second				

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rm DRF-26A: Pre-Burn Leach Uranium and Impurities
AGR-CHAR-DAM-26 Rev. 3
Montgomery/Dyer
BWXT J52R-16-14154C
AGR-5/6/7 compacts, 40% packing fraction
1054, 1062, 1089, 1096, 1097
\\mc-agr\AGR\LeachBurnLeach\14154C-Group 1_DRF26R3.xls

	Number of compacts:		5 3.94E-04			
	Average weight uranium per particle, mean value (g):		3.94E-04 3.94E-06			
AV	erage weight uranium per particle, uncertainty in mean (g):		3.94E-06	100 To 100 To 100 To 100		
	I I I I I I I I I I I I I I I I I I I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
_	Pre-burn leach solution ID:			TOTAL	W17111003	
	Total volume of leach solution (ml):	L17110803 131.0	L17110903 92.0	A COLORADOR - THE	160.0	
1000000		131.0	92.0	Sales and a second	100.0	
_	Radiochemical laboratory analysis number:	17812-003	17812-008	C. Stranger C. Stranger	17812-013	
	Measured uranium concentration (µg/ml):	5.47E+00	7.96E-01	and all all and a	9.34E-02	
	Uncertainty in uranium concentration (µg/ml):	5.47E-01	7.96E-02	And the second	9.34E-03	
100	Weight uranium leached (g):	7.17E-04	7.32E-05	8.05E-04	1.49E-05	Y
	Uncertainty in weight uranium leached (g):	7.17E-05	7.34E-06	7.21E-05	1.50E-06	and the second states and
	Equivalent number of leached kernels:	1.82E+00	1.86E-01	2.04E+00	3.79E-02	
1.00	Uncertainty in equivalent number of leached kernels:	1.83E-01	1.87E-02	1.84E-01	3.81E-03	
		and the second of the second of the second s	The states	New Party Call	State Property	
20	Measured concentration of impurity in sample (µg/ml):			Fe		
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Fe	Weight of impurity in blank (µg):			The second second		
	Minimum corrected weight of impurity in sample (µg):		and the second second	and the second sec	1 Same States	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		and the same in set
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	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		the second second second
	Uncorrected weight of impurity in sample (µg):					
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	Minimum corrected weight of impurity in sample (µg):			and the second sec		
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	Uncorrected weight of impurity in sample (µg):	the second se		CO		
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	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
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	Maximum corrected weight of impurity in sample (µg):	A STATISTICS		Contra Provide		
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):					
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	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):					
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	Uncorrected weight of impurity in sample (µg):			V		
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	Maximum corrected weight of impurity in sample (µg):	Land Protect And				
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	Comments					

Fied C. Montgomery 2-6-2018

m DRF-26A: Pre-Burn Leach Uranium and Impurities
AGR-CHAR-DAM-26 Rev. 3
Montgomery/Dyer
BWXT J52R-16-14154C
AGR-5/6/7 compacts, 40% packing fraction
1023, 1040, 1048, 1084, 1088
\\mc-agr\AGR\LeachBurnLeach\14154C-Group 1_DRF26R3.xls

	Number of compacts:		5	1873 - 31 (F)		
	Average weight uranium per particle, mean value (g):		3.94E-04	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
A	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06			
		Plant Local	0			
_	Des house lange establish TD.	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lea
	Pre-burn leach solution ID: Total volume of leach solution (ml):	L17110804	L17110904	Street Mars The	W17111004	
-	Total volume of leach solution (III):	133.0	117.0	and the state of the state	137.0	
-	Radiochemical laboratory analysis number:	17812-004	17812-009	CAN Dan Berger	17812-004	
-	Measured uranium concentration (µg/ml):	7.33E+00	8.19E-01	and the second	8.02E-02	
-	Uncertainty in uranium concentration (µg/ml):	7.33E-01	8.19E-02	Constant Party	8.02E-02	
-	Weight uranium leached (g):	9.75E-04	9.58E-05	1.08E-03	1.10E-05	Y
-	Uncertainty in weight uranium leached (g):	9.76E-05	9.60E-06	9.81E-05	1.10E-05	NOT THE REAL PROPERTY OF
	Equivalent number of leached kernels:	2.47E+00	2.43E-01	2.75E+00	2.79E-02	
	Uncertainty in equivalent number of leached kernels:	2.49E-01	2.45E-02	2.50E-01	2.81E-03	
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	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and the second states of		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		States and states and states and
~	Uncorrected weight of impurity in sample (µg):					
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	Minimum corrected weight of impurity in sample (µg):			and the second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			Party of the lot of the		Contract of the second dates
	Minimum corrected weight of impurity in sample (µg):			NAME OF A DESCRIPTION OF A		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	State of the second		Ni	and the second	
	Uncorrected weight of impurity in sample (µg):			The second second		The second second second
Ni	Weight of impurity in blank (µg):			A CONTRACT OF		and the second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):	Section of the later	Carl Contraction of	Contraction of the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			A CONTRACTOR OF THE		
	Measured concentration of impurity in sample (µg/ml):			Al		- Canada and the state of the state
AI	Uncorrected weight of impurity in sample (µg):			and the second		
AI	Weight of impurity in blank (µg):			The state of the s		
	Minimum corrected weight of impurity in sample (µg):					
100	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					and the second state of the second
Ti	Weight of impurity in blank (µg):			P. S. C. Lawrence		a the state to be a series
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			v		
	Uncorrected weight of impurity in sample (µg):	Carlo Carlos				
v	Weight of impurity in blank (µg):					and the state of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

Fred C. Montgomery 2-6-2018

	Average weight uranium per particle, mean value (g):		3.94E-04	and the second second
Av	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06	
5	5			
		First Leach	Second Leach	Total
	Pre-burn leach solution ID:	L17110805	L17110905	State of the second
	Total volume of leach solution (ml):	177.0	93.0	
- 12	and the second se	The second state of the	the internet of	
	Radiochemical laboratory analysis number:	17812-005	17812-010	
	Measured uranium concentration (µg/ml):	7.81E-04	9.35E-04	
	Uncertainty in uranium concentration (µg/ml):	7.81E-05	9.35E-05	the second
	Weight uranium leached (g):	1.38E-07	8.70E-08	2.25E-07
	Uncertainty in weight uranium leached (g):	1.38E-08	8.72E-09	1.64E-08
	Equivalent number of leached kernels:	3.51E-04	2.21E-04	5.72E-04
	Uncertainty in equivalent number of leached kernels:	3.53E-05	2.22E-05	4.19E-05
1				The second second
Fe	Measured concentration (µg/ml):			Fe
10	Total weight of leached impurity (µg):	Contract of the second		the set of the set
Cr	Measured concentration (µg/ml):			Cr
0	Total weight of leached impurity (µg):			
Mn	Measured concentration (µg/ml):			Mn
Pin	Total weight of leached impurity (µg):	COR LOS AND	ALCOLOGICAL STREET	
Co	Measured concentration (µg/ml):			Co
00	Total weight of leached impurity (µg):			
Ni	Measured concentration (µg/ml):			Ni
141	Total weight of leached impurity (µg):			
Ca	Measured concentration (µg/ml):	the states and		Ca
ou	Total weight of leached impurity (μg):			
AI	Measured concentration (µg/ml):	1		AI
~	Total weight of leached impurity (µg):		and the second sec	
Ti	Measured concentration (µg/ml):	A REAL PROPERTY OF		Ti
	Total weight of leached impurity (µg):	THE STREET OF		
v	Measured concentration (µg/ml):			v
	Total weight of leached impurity (µg):			

Water rinse	Include if > 10% of 2nd leach
W17111005	
61.0	
17812-015	
<4.00E-05	
<2.44E-09	N
6.19E-06	
0.172-00	
	F. S. Contraction of the State
	and the second s
	and the second s

Comments

FCM checked the recorded data against the official Results of Analysis for RMAL17812 on 1/31/2018.

Fied C. Montgomery

2-6-2018

Data Report Form DRF-26B: Post-Burn Leach Uranium and Impurities							
AGR-CHAR-DAM-26 Rev. 3							
Montgomery/Dyer							
BWXT J52R-16-14154C							
AGR-5/6/7 compacts, 40% packing fraction							
1009, 1015, 1059, 1065, 1069							
\\mc-agr\AGR\LeachBurnLeach\14154C-Group 1_DRF26R3.xls							

	Number of compacts:		5			
	Average weight uranium per particle, mean value (g):		3.94E-04	and the second		
Av	erage weight uranium per particle, uncertainty in mean (g):		3.94E-06			
	-					
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd lea
	Post-burn leach solution ID:	B17112801	B17113001	and the second second	W17113001	
	Total volume of leach solution (ml):	48.0	50.0	En la contraction	25.0	
	The state of the s	Later Level	The second second		Summer Stands	
	Radiochemical laboratory analysis number:	17858-001	17858-006	and the second	17858-011	
	Measured uranium concentration (µg/ml):	8.45E+00	6.58E-02	the second states	2.18E-03	
	Uncertainty in uranium concentration (µg/ml):	8.45E-01	6.25E-03	Part of Party and	2.18E-04	A CONTRACTOR OF
	Weight uranium leached (g): Uncertainty in weight uranium leached (g):	4.06E-04	3.29E-06	4.09E-04	5.45E-08	N
-	Equivalent number of leached kernels:	4.09E-05 1.03E+00	3.15E-07 8.35E-03	4.09E-05 1.04E+00	5.63E-09 1.38E-04	
	Uncertainty in equivalent number of leached kernels:	1.04E-01	8.05E-04	1.04E+00 1.04E-01	1.44E-05	
-	oncertainty in equivalent number of feached kernels.	1.042-01	0.032-04	1.042-01	1.446-03	
-	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):		The second second			
Fe	Weight of impurity in blank (µg):			A STREET		and the second second second second
-	Minimum corrected weight of impurity in sample (µg):				Construction of the second	
	Maximum corrected weight of impurity in sample (µg):	Contraction and		CONTRACTOR OF STREET, ST		
1221	Measured concentration of impurity in sample (µg/ml):			Cr		and the second second
127	Uncorrected weight of impurity in sample (µg):	and the second				
Cr	Weight of impurity in blank (µg):			1 the state		the second second second
-11	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				11 1 1 1 1 1 1	
	Measured concentration of impurity in sample (µg/ml):			Mn		and the second second of
	Uncorrected weight of impurity in sample (µg):				- Sector Sector	
Mn	Weight of impurity in blank (µg):			a state of the liter		
in air	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1.134	Measured concentration of impurity in sample (µg/ml):	and the second second		Co		the stand of the second stand of the
Co	Uncorrected weight of impurity in sample (µg):			and the second s		and the second state of the second state
CO	Weight of impurity in blank (µg):	and the second second		and the second second		
8.6	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):		Contraction of the second	N		A DECEMBER OF A
Ni	Weight of impurity in blank (µg):			The strength of the state of the		The state of the state
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
1	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):				Distance in the second	
Ca	Weight of impurity in blank (µg):	CHERT STORES		Section and the		and the state of t
	Minimum corrected weight of impurity in sample (µg):				Electric Service 1	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Al		Stand of the second of the second
-	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):		121201000000000	Lange & Company and a second	5.000	
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		and the second	STATE IN TRACES	Address of the second second	
	Measured concentration of impurity in sample (µg/ml):	and the state	and the second second	Ti	and the second second	and the second second second
_	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			Concentration .		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			v		
	Measured concentration of impurity in sample (µg/ml):			V		and the second second second
v	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			The second second second		the state of the second st
v	Minimum corrected weight of impurity in sample (µg):			the subject of the subject of the		
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					

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Fred C. Montgomery 2-6-2018

m DRF-26B: Post-Burn Leach Uranium and Impurities
AGR-CHAR-DAM-26 Rev. 3
Montgomery/Dyer
BWXT J52R-16-14154C
AGR-5/6/7 compacts, 40% packing fraction
1013, 1026, 1029, 1066, 1071
\\mc-agr\AGR\LeachBurnLeach\14154C-Group 1_DRF26R3.xls

Number of compacts

	Number of compacts:		5			
	Average weight uranium per particle, mean value (g):		3.94E-04			
Av	rerage weight uranium per particle, uncertainty in mean (g):		3.94E-06	and the second of		
	_					
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B17112802	B17113002		W17113002	
	Total volume of leach solution (ml):	54.0	53.0	Contraction of the local division of the	17.5	
No. of Concession, Name	Total Volume of Teach Solution (my)	54.0	33.0	A La Contraction	17.5	
	Radiochemical laboratory analysis number:	17858-002	17858-007		17858-012	
100	Measured uranium concentration (µg/ml):	5.91E-01	3.82E-02		4.73E-03	
	Uncertainty in uranium concentration (µg/ml):	5.91E-01	3.82E-03		4.73E-03	
-	Weight uranium leached (g):	3.19E-02	2.02E-06	3.39E-05	8.28E-08	N
	Uncertainty in weight uranium leached (g):	3.21E-06	2.04E-07	3.22E-06	8.83E-09	IN
	Equivalent number of leached kernels:	8.10E-02	5.14E-03	8.61E-02	2.10E-04	
	Uncertainty in equivalent number of leached kernels:	8.20E-03	5.20E-04	8.22E-03	2.25E-05	
10000	oncertainty in equivalent number of feached kernels.	0.202-03	3.202-04	0.220-03	2.232-03	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):			re		and the state of the state of the state
Fe	Weight of impurity in blank (µg):			No. of Concession, Name		Contraction of the local division of the loc
	Minimum corrected weight of impurity in sample (µg):			and the second se		
1.0	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			u		
Cr	Weight of impurity in blank (µg):			State of Lot of		the second second second second second
C.	Minimum corrected weight of impurity in sample (µg):			the second second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			MU		and the second se
Mn	Weight of impurity in blank (µg):			Statement of the local division of the		the second s
Part	Minimum corrected weight of impurity in sample (µg):			Contraction of the owner of the		
1 1 2 3	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):			0		and the second second second second
Co	Weight of impurity in blank (µg):			Children Carlington		And in the other Designation of the local division of the local di
00	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			14		and the second se
Ni	Weight of impurity in blank (µg):			and the second se		the set of
	Minimum corrected weight of impurity in sample (µg):			and the second sec		
1.5	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):			Ca		and the second sec
Ca	Weight of impurity in blank (µg):			State of the local division of the local div		the second second second second
	Minimum corrected weight of impurity in sample (µg):	ares contract		the second s		
1. N	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Al		
	Uncorrected weight of impurity in sample (µg):			AI		
AI	Weight of impurity in blank (µg):			Contraction of the		the state of the same of the same
~	Minimum corrected weight of impurity in sample (µg):		1	Contraction of the second		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			THE OWNER WATER THE		
	Minimum corrected weight of impurity in sample (µg):					
2.44	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):		14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
v	Weight of impurity in blank (µg):			AT LEAST AND A COL		A COLOR OF THE REAL PROPERTY OF
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	that an concered neight of imparity in sumple (pg).					
	Comments		a di kana sa sa sa sa	and the second second		
	comments					

Fuel C. Montgomeny 2-6-2018

Procedure:   AGR-CHAR-DAM-26 Rev. 3 Operator:   Montgomery/Dyer Compact lot ID:   BWXT J52R-16-14154C
Operator: Montgomery/Dyer Compact lot ID: BWXT J52R-16-14154C
Compact lot description: AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers: 1054, 1062, 1089, 1096, 1097
DRF filename: \\mc-agr\AGR\LeachBurnLeach\14154C-Group 1_DRF26R3.xls

	Number of compacts:		5			
	Average weight uranium per particle, mean value (g):	3.94E-04				
Av	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06			
	_					
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B17112803	B17113003		W17113003	
101	Total volume of leach solution (ml):	53.0	47.0	and the second second	19.0	
The sea		-	Salar and the salar		and the second second	
	Radiochemical laboratory analysis number:	17858-003	17858-008		17858-013	
	Measured uranium concentration (µg/ml):	6.15E+00	1.03E-01	State Land	5.06E-03	
	Uncertainty in uranium concentration (µg/ml):	6.15E-01	1.03E-02	Children Frank	5.06E-04	
-	Weight uranium leached (g):	3.26E-04	4.84E-06	3.31E-04	9.61E-08	N
	Uncertainty in weight uranium leached (g): Equivalent number of leached kernels:	3.28E-05 8.27E-01	4.89E-07 1.23E-02	3.28E-05 8.40E-01	1.02E-08	
	Uncertainty in equivalent number of leached kernels:	8.38E-02	1.25E-02 1.25E-03	8.40E-01 8.38E-02	2.44E-04 2.59E-05	
Sec. of Column	Uncertainty in equivalent number of feached Remeis.	0.302-02	1.25E-03	0.30E-02	2.592-05	
-	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):	CIECCIE CONST		State and the second		the second of the second second
	Minimum corrected weight of impurity in sample (µg):				10.10.00.000.0000	
1	Maximum corrected weight of impurity in sample (µg):					
1.1	Measured concentration of impurity in sample (µg/ml):			Cr		
1.7.51	Uncorrected weight of impurity in sample (µg):			In the second second	Line Status and	
Cr	Weight of impurity in blank (µg):					The second s
1. 1945	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		C. Start And			
-11	Measured concentration of impurity in sample (µg/ml):			Mn		and a set of the second
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			Section of the		
1.51	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					And the second s
Co	Weight of impurity in blank (µg):		41.2 41 5 5 5 5	A.C. The Contraction of the		and the second se
	Minimum corrected weight of impurity in sample (µg):		100 C 100 C 100 C	100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100		
	Maximum corrected weight of impurity in sample (µg):					
1.000	Measured concentration of impurity in sample (µg/ml):			Ni		
1	Uncorrected weight of impurity in sample (µg):		Berlin 2012-241			
Ni	Weight of impurity in blank (µg):			alle and the		
101.00	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second				
	Measured concentration of impurity in sample (µg/ml):			Ca		A STATE AND A STATE OF A
Ca	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			Contraction of the local division of the loc		A REAL PROPERTY AND A REAL PROPERTY AND A
Ca .	Minimum corrected weight of impurity in sample (µg):			CONTRACTOR OF THE		
1.1	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	The second second	· · · · · · · · · · · · · · · · · · ·	Al		
1.40	Uncorrected weight of impurity in sample (µg):	State Land		~		
AI	Weight of impurity in blank (µg):		And the second second second	and the second	Contraction (Contraction)	A COLOR STATE AND A STATE
	Minimum corrected weight of impurity in sample (µg):	THE REAL PROPERTY.			Market Street	
1	Maximum corrected weight of impurity in sample (µg):					
1.1.1.1.1.1.1	Measured concentration of impurity in sample (µg/ml):			Ti		a start and a start a start
	Uncorrected weight of impurity in sample (µg):			235		
Ti	Weight of impurity in blank (µg):			and the states of the		
100	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
11.5%	Measured concentration of impurity in sample (µg/ml):			V		and the second second second
v	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			Contraction of the local division of the loc		and the second se
V I	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	the second territer of imparity in sumple (pg).			and the second second		
1000	Comments		and the second states of the	A CONTRACTOR OF		

Fied C. Montgomery 2-6-2018

Data Report Fo	rm DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure	AGR-CHAR-DAM-26 Rev. 3
Operator	: Montgomery/Dyer
Compact lot ID	: BWXT J52R-16-14154C
Compact lot description	: AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers	: 1023, 1040, 1048, 1084, 1088
DRF filename	: \\mc-agr\AGR\LeachBurnLeach\14154C-Group 1 DRF26R3.xls

Number of compactor

	Number of compacts:		5			
	Average weight uranium per particle, mean value (g):	C. Handler The	3.94E-04	The Rest Lines		
Ave	erage weight uranium per particle, uncertainty in mean (g):		3.94E-06			
	-					
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leac
	Post-burn leach solution ID:	B17112804	B17113004	atter - 1- tak	W17113004	
-	Total volume of leach solution (ml):	50.0	49.0		19.0	
1000		The state of the s				
	Radiochemical laboratory analysis number:	17858-004	17858-009	SA 720385751	17858-014	
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	5.70E+00 5.70E-01	2.55E+00	A STATE OF THE R.	7.67E-02	
	Weight uranium leached (g):	2.85E-04	2.55E-01 1.25E-04	4.10E-04	7.67E-03	N
-	Uncertainty in weight uranium leached (g):	2.85E-04 2.87E-05	1.26E-05	3.14E-05	1.46E-06 1.54E-07	IN
	Equivalent number of leached kernels:	7.23E-01	3.17E-01	1.04E+00	3.70E-03	
-	Uncertainty in equivalent number of leached kernels:	7.33E-02	3.21E-02	8.03E-02	3.93E-04	
	oncertainty in equivalent hamber of reached kemelor	7.331-02	J.21L-02	0.032-02	J.JJL-04	
	Measured concentration of impurity in sample (µg/ml):			Fe		
E F	Uncorrected weight of impurity in sample (µg):					A PARTY OF THE PARTY OF
Fe	Weight of impurity in blank (µg):			a man and a second		State of the second
	Minimum corrected weight of impurity in sample (µg):	Section and Include		CONTRACTOR OF		
	Maximum corrected weight of impurity in sample (µg):	and the second sec				
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):	Constanting of the local division of the loc				A DESCRIPTION OF THE PARTY OF
Cr	Weight of impurity in blank (µg):			and I also and		and the state of t
F	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		A CONTRACTOR	Margare Providence		
	Measured concentration of impurity in sample (µg/ml):		Care and the	Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):	Constant State				
	Maximum corrected weight of impurity in sample (µg):		1.2 1			
L	Measured concentration of impurity in sample (µg/ml):	And a second division		Co		and the second second second
L	Uncorrected weight of impurity in sample (µg):			Contraction of the		
Co [	Weight of impurity in blank (µg):			Marrie S. A. A.		
- L	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
F	Measured concentration of impurity in sample (µg/ml):			Ni		A State of the second
Ni	Uncorrected weight of impurity in sample (µg):			A COLORING		and the second second second
	Weight of impurity in blank (µg):					
- H	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	and the second second		Ca		
-	Uncorrected weight of impurity in sample (µg):	and the second second	the second second	La		the second state and second
Ca	Weight of impurity in blank (µg):			AND DESCRIPTION OF THE OWNER.		and the second se
~ F	Minimum corrected weight of impurity in sample (µg):			and the second se		
- H	Maximum corrected weight of impurity in sample (µg):			and the second s		
	Measured concentration of impurity in sample (µg/ml):			Al		
H	Uncorrected weight of impurity in sample (µg):			A		
AL	Weight of impurity in blank (µg):	The Lot of the lot of the	1	A STREET STREET		AND A CONTRACTOR OF THE OWNER OWNER OF THE OWNER
· · · ·	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second				
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):	1200				
Ti	Weight of impurity in blank (µg):	SS - 2 T	Contract Survey	Contraction of the Party of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	The second s				
	Measured concentration of impurity in sample (µg/ml):	Low Street Street		V		
	Uncorrected weight of impurity in sample (µg):					A statistic sector and a sector
v	Weight of impurity in blank (µg):		The second	and the true		
100 C	Minimum corrected weight of impurity in sample (µg):		The second second second			
	Maximum corrected weight of impurity in sample (µg):					

Fied c. Montgomery 2-6-2018

Data Report For	m DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	Post-burn leach blank
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 1_DRF26R3.xls

	Average weight uranium per particle, mean value (g):		3.94E-04	
Av	erage weight uranium per particle, uncertainty in mean (g):	and the second	3.94E-06	
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	L17112805	L17113005	
	Total volume of leach solution (ml):	47.0	50.0	
5.		a share the	F 199	
	Radiochemical laboratory analysis number:	17858-005	17858-010	
	Measured uranium concentration (µg/ml):	2.16E-03	5.66E-04	
	Uncertainty in uranium concentration (µg/ml):	2.16E-04	5.66E-05	
-	Weight uranium leached (g):	1.02E-07	2.83E-08	1.30E-07
	Uncertainty in weight uranium leached (g):	1.02E-08	2.85E-09	1.06E-08
	Equivalent number of leached kernels:	2.58E-04	7.18E-05	3.29E-04
	Uncertainty in equivalent number of leached kernels:	2.61E-05	7.28E-06	2.72E-05
28.02		THE PARTY	ALT THE REAL PROPERTY.	and the state of the
Fe	Measured concentration (µg/ml):			Fe
10	Total weight of leached impurity (µg):			
Cr	Measured concentration (µg/ml):			Cr
	Total weight of leached impurity (µg):			Sec. Sec.
Mn	Measured concentration (µg/ml):			Mn
	Total weight of leached impurity (µg):			
Co	Measured concentration (µg/ml):			Co
	Total weight of leached impurity (µg):	1		
Ni	Measured concentration (µg/ml):		and the second second	Ni
	Total weight of leached impurity (µg):			
Ca	Measured concentration (µg/ml):			Ca
	Total weight of leached impurity (µg):			
AI	Measured concentration (µg/ml):			Al
	Total weight of leached impurity (µg):	2.2.2.2.2.2.2.2		_
Ti	Measured concentration (µg/ml):			Ti
-	Total weight of leached impurity (µg):			
v	Measured concentration (µg/ml):			v
	Total weight of leached impurity (µg):			

Water rinse	Include if > 10% of 2nd leach
W17113005	Carlos Martin Carlos Carlos
21.0	
San and	
17858-015	
4.27E-04	
4.27E-05	
8.97E-09	N
9.39E-10	
2.28E-05	
2.39E-06	
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Comments

Fied C. Munitgomery 2-6-2018 Operator

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1021, 1042, 1056, 1093, 1105
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2 DRF26R3.xls

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	Number of compacts:	a sala sala	5			
	Average weight uranium per particle, mean value (g):		3.94E-04			
Av	erage weight uranium per particle, uncertainty in mean (g):		3.94E-06			
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L17112001	L17112201	-Farmer - The		and the state of the second
	Total volume of leach solution (ml):	118.0	159.0	and the second second		
the second second				A NATIONAL AND A STATE	1.46.49	
	Radiochemical laboratory analysis number:	17843-001	17843-006	Carlos and a second	States and the states	
	Measured uranium concentration (µg/ml):	9.20E-02	1.42E-02	and the set		
	Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g):	9.20E-03	1.42E-03	1 045 05	_	A CONTRACT OF THE REAL OF THE REAL OF
	Uncertainty in weight uranium leached (g):	1.09E-05 1.09E-06	2.26E-06 2.26E-07	1.31E-05 1.11E-06		
-	Equivalent number of leached kernels:	2.76E-02	5.73E-03	3.33E-02		
-	Uncertainty in equivalent number of leached kernels:	2.77E-03	5.76E-04	2.84E-03		
1000		2.772 05	3.702 04	2.042-05	and the second second	
	Measured concentration of impurity in sample (µg/ml):	8.20E-01	1.31E-01	Fe		
	Uncorrected weight of impurity in sample (µg):	96.76	20.83	117.59		
Fe	Weight of impurity in blank (µg):	6.47	8.88	Carlos Carlos Carlos	Market Street	CARL AND THE PARTY
	Minimum corrected weight of impurity in sample (µg):	90.29	11.95	102.24		
	Maximum corrected weight of impurity in sample (µg):	90.29	11.95	102.24		
	Measured concentration of impurity in sample (µg/ml):	1.18E-02	2.96E-03	Cr	1	the second s
Cr	Uncorrected weight of impurity in sample (µg):	1.39	0.47	1.86		
Cr	Weight of impurity in blank (µg):	< 0.38	0.39	1.00		
1	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	1.01	0.08	1.08		
	Measured concentration of impurity in sample (µg/ml):	1.14E-02	1.85E-03	1.4/ Mn		
	Uncorrected weight of impurity in sample (µg):	1.35	0.29	1.64		
Mn	Weight of impurity in blank (µg):	0.15	0.20	1.04		
	Minimum corrected weight of impurity in sample (µg):	1.20	0.10	1.29		
	Maximum corrected weight of impurity in sample (µg):	1.20	0.10	1.29		
	Measured concentration of impurity in sample (µg/ml):	3.74E-04	5.92E-05	Co		
-	Uncorrected weight of impurity in sample (µg):	0.04	0.01	0.05		
Co	Weight of impurity in blank (µg):	0.02	< 0.01			
E 4, 3	Minimum corrected weight of impurity in sample (µg):	0.02	0.00	0.02		
	Maximum corrected weight of impurity in sample (µg):	0.02	0.01	0.03		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	1.43E-02 1.69	7.77E-03	Ni		the state of the s
Ni	Weight of impurity in sample (µg):	< 0.98	1.24	2.92		A REAL PROPERTY AND INCOME.
	Minimum corrected weight of impurity in sample (µg):	0.71	0.27	0.98		
1.1	Maximum corrected weight of impurity in sample (µg):	1.69	1.24	2.92		
100	Measured concentration of impurity in sample (µg/ml):	3.63E+00	6.56E-01	Ca		
	Uncorrected weight of impurity in sample (µg):	428.34	104.30	532.64		The second second second
Ca	Weight of impurity in blank (µg):	<43.96	<43.62	The second second second		A state of the second second second
773	Minimum corrected weight of impurity in sample (µg):	384.38	60.68	445.07		
15	Maximum corrected weight of impurity in sample (µg):	428.34	104.30	532.64		
	Measured concentration of impurity in sample (µg/ml):	4.30E+00	7.25E-01	Al		the designed in the second strange
AI	Uncorrected weight of impurity in sample (µg):	507.40	115.28	622.68		
AI	Weight of impurity in blank (µg):	9.44	8.57	(04.67		
19-14	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	497.96 497.96	106.71 106.71	604.67 604.67		
-	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	8.62E-02	7.17E-02	604.67 Ti		
215	Uncorrected weight of impurity in sample (µg):	10.17	11.40	21.57		
Ti	Weight of impurity in blank (µg):	< 0.70	< 0.69	ALLON N		a service and the service
	Minimum corrected weight of impurity in sample (µg):	9.47	10.71	20.18		
	Maximum corrected weight of impurity in sample (µg):	10.17	11.40	21.57		
	Measured concentration of impurity in sample (µg/ml):	9.89E-02	2.16E-02	v		and the second s
	Uncorrected weight of impurity in sample (µg):	11.67	3.43	15.10		
v	Weight of impurity in blank (µg):	< 0.02	< 0.02	And the table	10 10 10 10	
	Minimum corrected weight of impurity in sample (µg):	11.65	3.42	15.07		
	Maximum corrected weight of impurity in sample (µg):	11.67	3.43	15.10		the provide state of the second state of the
	Comments					

Water rinse not analyzed. FCM checked the data against the official results of RMAL17843 on 2/5/2018.

Fred C. Montgomery 2-8-2018 Operator Date

m DRF-26A: Pre-Bum Leach Uranium and Impurities
AGR-CHAR-DAM-26 Rev. 3
Montgomery/Dyer
BWXT J52R-16-14154C
AGR-5/6/7 compacts, 40% packing fraction
1004, 1016, 1018, 1085, 1101
\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2 DRF26R3.xls

-	Number of compacts: Average weight uranium per particle, mean value (g):		5 3.94E-04	C. C. C.
Ave	rage weight uranium per particle, uncertainty in mean (g):	and the second	3.94E-06	14.4
		First Leach	Second Leach	Total
	Pre-burn leach solution ID:	L17112002	L17112202	- ALASSAN CONTRACTOR
	Total volume of leach solution (ml):	121.0	154.0	
O.E		and the stand		
	Radiochemical laboratory analysis number: Measured uranium concentration (µg/ml):	17843-002	17843-007	
-	Uncertainty in uranium concentration (µg/ml):	1.26E-01 1.26E-02	1.75E-02 1.75E-03	
	Weight uranium leached (g):	1.52E-02	2.70E-06	1.79E-05
-	Uncertainty in weight uranium leached (g):	1.53E-06	2.70E-07	1.55E-06
1	Equivalent number of leached kernels:	3.87E-02	6.84E-03	4.55E-02
	Uncertainty in equivalent number of leached kernels:	3.89E-03	6.88E-04	3.96E-03
		and the second		
H	Measured concentration of impurity in sample (µg/ml):	8.98E-01	1.36E-01	Fe
₀ ŀ	Uncorrected weight of impurity in sample (µg):	108.66	20.94	129.60
• +	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):	6.47 102.19	8.88 12.06	114.25
H	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	102.19	12.06	114.25
+	Measured concentration of impurity in sample (µg/ml):	1.37E-02	4.29E-03	Cr
F	Uncorrected weight of impurity in sample (µg):	1.66	0.66	2.32
r [	Weight of impurity in blank (µg):	< 0.38	0.39	
	Minimum corrected weight of impurity in sample (µg):	1.27	0.27	1.54
	Maximum corrected weight of impurity in sample (µg):	1.66	0.27	1.92
	Measured concentration of impurity in sample (µg/ml):	1.21E-02	1.98E-03	Mn
	Uncorrected weight of impurity in sample (µg):	1.46	0.30	1.77
n  -	Weight of impurity in blank (µg):	0.15	0.20	
-	Minimum corrected weight of impurity in sample (µg):	1.31	0.11	1.42
-	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	1.31 5.22E-04	0.11 8.52E-05	1.42 Co
H	Uncorrected weight of impurity in sample (µg):	0.06	0.01	0.08
, F	Weight of impurity in blank (µg):	0.00	< 0.01	0.00
	Minimum corrected weight of impurity in sample (µg):	0.04	0.00	0.05
	Maximum corrected weight of impurity in sample (µg):	0.04	0.01	0.06
	Measured concentration of impurity in sample (µg/ml):	3.39E-02	1.06E-02	Ni
	Uncorrected weight of impurity in sample (µg):	4.10	1.63	5.73
ιp	Weight of impurity in blank (µg):	< 0.98	< 0.97	Contraction deal
H	Minimum corrected weight of impurity in sample (µg):	3.13	0.66	3.79
+	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	4.10 3.68E+00	1.63 7.96E-01	5.73
H	Uncorrected weight of impurity in sample (µg/ml):	3.68E+00 445.28	122.58	Ca 567.86
, F	Weight of impurity in blank (µg):	<43.96	<43.62	507.80
F	Minimum corrected weight of impurity in sample (µg):	401.32	78.96	480.29
F	Maximum corrected weight of impurity in sample (µg):	445.28	122.58	567.86
	Measured concentration of impurity in sample (µg/ml):	4.32E+00	6.58E-01	AI
	Uncorrected weight of impurity in sample (µg):	522.72	101.33	624.05
Ľ	Weight of impurity in blank (µg):	9.44	8.57	and the second second
+	Minimum corrected weight of impurity in sample (µg):	513.28	92.76	606.05
-	Maximum corrected weight of impurity in sample (µg):	513.28	92.76	606.05
H	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	8.34E-02 10.09	6.16E-02 9.49	Ti 19.58
H	Weight of impurity in sample (µg): Weight of impurity in blank (µg):	< 0.70	< 0.69	19.58
	Minimum corrected weight of impurity in sample (µg):	9.39	8.79	18,19
F	Maximum corrected weight of impurity in sample (µg):	10.09	9,49	19.58
	Measured concentration of impurity in sample (µg/ml):	1.06E-01	2.25E-02	V
F	Uncorrected weight of impurity in sample (µg):	12.83	3.47	16.29
E	Weight of impurity in blank (µg):	< 0.02	< 0.02	2 Stanton
E	Minimum corrected weight of impurity in sample (µg):	12.81	3.45	16.26
	Maximum corrected weight of impurity in sample (µg):	12.83	3.47	16.29

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Water rinse not analyzed. FCM checked the data against the official results of RMAL17843 on 2/5/2018.

Fuel c. montgo mery

2- 8-2018 Date

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1006, 1057, 1068, 1078, 1107
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2 DRF26R3.xls

	Number of compacts:		5	
2	Average weight uranium per particle, mean value (g):	State La State State	3.94E-04	UPS LA PART
Ave	rage weight uranium per particle, uncertainty in mean (g):		3.94E-06	C. M. C. Mar
	r			
		First Leach	Second Leach	Total
	Pre-burn leach solution ID:	L17112003	L17112203	and the second second
	Total volume of leach solution (ml):	119.0	147.0	the second
100	Dediaster ind teterster and use surter	100.00	170.10.000	
	Radiochemical laboratory analysis number:	17843-003	17843-008	A STATE OF THE STATE OF
-	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	3.09E+00 3.09E-01	4.08E-01	P Fills
-	Weight uranium leached (q):	3.68E-04	4.08E-02 6.00E-05	4.28E-04
-	Uncertainty in weight uranium leached (g):	3.68E-05	6.00E-05	4.28E-04 3.73E-05
-	Equivalent number of leached kernels:	9.33E-01	1.52E-01	1.09E+0
	Uncertainty in equivalent number of leached kernels:	9.39E-02	1.53E-02	9.53E-02
-		SIBSE OF	TIDDE OF	5105E 02
	Measured concentration of impurity in sample (µg/ml):	9.47E-01	1.74E-01	Fe
	Uncorrected weight of impurity in sample (µg):	112.69	25.58	138.27
e	Weight of impurity in blank (µg):	6.47	8.88	and the second second
	Minimum corrected weight of impurity in sample (µg):	106.23	16.70	122.92
	Maximum corrected weight of impurity in sample (µg):	106.23	16.70	122.92
	Measured concentration of impurity in sample (µg/ml):	2.70E-02	7.95E-03	Cr
E	Uncorrected weight of impurity in sample (µg):	3.21	1.17	4.38
r [	Weight of impurity in blank (µg):	< 0.38	0.39	and the second
L	Minimum corrected weight of impurity in sample (µg):	2.83	0.77	3.60
	Maximum corrected weight of impurity in sample (µg):	3.21	0.77	3.99
F	Measured concentration of impurity in sample (µg/ml):	1.12E-02	2.20E-03	Mn
F	Uncorrected weight of impurity in sample (µg):	1.33	0.32	1.66
In E	Weight of impurity in blank (µg):	0.15	0.20	
	Minimum corrected weight of impurity in sample (µg):	1.18	0.13	1.31
-	Maximum corrected weight of impurity in sample (µg):	1.18	0.13	1.31
F	Measured concentration of impurity in sample (µg/ml):	4.29E-04	7.76E-05	Co
ŀ	Uncorrected weight of impurity in sample (µg):	0.05	0.01	0.06
۰F	Weight of impurity in blank (µg):	0.02	< 0.01	0.55
H	Minimum corrected weight of impurity in sample (µg):	0.03	0.00	0.03
-	Maximum corrected weight of impurity in sample (µg):	0.03	0.01	0.04
H	Measured concentration of impurity in sample (µg/ml):	2.49E-02	< 7.40E-03	Ni
: H	Uncorrected weight of impurity in sample (µg):	2.96	< 1.09	< 4.05
H	Weight of impurity in blank (µg):	< 0.98	< 0.97	1.00
H	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	2.96	0.00 1.09	1.99
+	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	3.40E+00	5.93E-01	4.05 Ca
H	Uncorrected weight of impurity in sample (µg):	404.60	87.17	491.77
, H	Weight of impurity in blank (µg):	<43.96	<43.62	491.77
	Minimum corrected weight of impurity in sample (µg):	360.64	43.55	404.19
	Maximum corrected weight of impurity in sample (µg):	404.60	87.17	404.13
+	Measured concentration of impurity in sample (µg/ml):	4.03E+00	7.64E-01	491.77 Al
F	Uncorrected weight of impurity in sample (µg):	479.57	112.31	591.88
	Weight of impurity in blank (µg):	9.44	8.57	551.00
	Minimum corrected weight of impurity in sample (µg):	470.13	103.74	573.87
F	Maximum corrected weight of impurity in sample (µg):	470.13	103.74	573.87
	Measured concentration of impurity in sample (µg/ml):	9.99E-02	8.81E-02	Ti
	Uncorrected weight of impurity in sample (µg):	11.89	12.95	24.84
	Weight of impurity in blank (µg):	< 0.70	< 0.69	
Г	Minimum corrected weight of impurity in sample (µg):	11.19	12.26	23.45
	Maximum corrected weight of impurity in sample (µg):	11.89	12.95	24.84
	Measured concentration of impurity in sample (µg/ml):	1.02E-01	2.50E-02	V
	Uncorrected weight of impurity in sample (µg):	12.14	3.68	15.81
	Weight of impurity in blank (µg):	< 0.02	< 0.02	- and with
′  -	Minimum corrected weight of impurity in sample (µg):	12.12	3.66	15.78
E	Minimum corrected weight of impunty in sample (µg):			

Water rinse	Include if > 10% of 2nd leach
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Water rinse not analyzed. FCM checked the data against the official results of RMAL17843 on 2/5/2018.

Fied c. Montgomely

2-8-2018

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1002, 1036, 1038, 1083, 1098
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2_DRF26R3.xls

	Number of compacts:		5			
Average weight uranium per particle, mean value (g):		3.94E-04		1 Z N LAVELL		
Av	verage weight uranium per particle, uncertainty in mean (g):		3.94E-06	States and the second		
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L17112004	L17112204	Contractor of the local		
	Total volume of leach solution (ml):	116.0	140.0	and the second second		
CALCUMPT OF		110.0	140.0	and the second	Contraction of Contra	
	Radiochemical laboratory analysis number:	17843-004	17843-009	EVERILITE E		
	Measured uranium concentration (µg/ml):	8.84E-02	1.79E-02	1		
1.	Uncertainty in uranium concentration (µg/ml):	8.84E-03	1.79E-03	and and the		
	Weight uranium leached (g):	1.03E-05	2.51E-06	1.28E-05		
1.1	Uncertainty in weight uranium leached (g):	1.03E-06	2.51E-07	1.06E-06		and the second the second second second
	Equivalent number of leached kernels:	2.60E-02	6.36E-03	3.24E-02		
1.000	Uncertainty in equivalent number of leached kernels:	2.62E-03	6.40E-04	2.70E-03		
1000	and the second		01102 01	LIVEL OD	and the second	
	Measured concentration of impurity in sample (µg/ml):	9.46E-01	1.76E-01	Fe		
	Uncorrected weight of impurity in sample (µg):	109.74	24.64	134.38		
Fe	Weight of impurity in blank (µg):	6.47	8.88	10 1100		STATE TO STATE STATES
	Minimum corrected weight of impurity in sample (µg):	103.27	15.76	119.03		
122	Maximum corrected weight of impurity in sample (µg):	103.27	15.76	119.03		
1	Measured concentration of impurity in sample (µg/ml):	1.39E-02	5.73E-03	Cr		
	Uncorrected weight of impurity in sample (µg):	1.61	0.80	2.41		
Cr	Weight of impurity in blank (µg):	< 0.38	0.39	Sale Carlos Sales		and the state of the second second
	Minimum corrected weight of impurity in sample (µg):	1.23	0.41	1.64		
	Maximum corrected weight of impurity in sample (µg):	1.61	0.41	2.02		
	Measured concentration of impurity in sample (µg/ml):	1.20E-02	2.65E-03	Mn		
	Uncorrected weight of impurity in sample (µg):	1.39	0.37	1.76		
Mn	Weight of impurity in blank (µg):	0.15	0.20	and the second states of the s		
	Minimum corrected weight of impurity in sample (µg):	1.24	0.17	1.42		
	Maximum corrected weight of impurity in sample (µg):	1.24	0.17	1.42		
	Measured concentration of impurity in sample (µg/ml):	4.18E-04	9.00E-05	Co	1000000000	
	Uncorrected weight of impurity in sample (µg):	0.05	0.01	0.06		
Co	Weight of impurity in blank (µg):	0.02	< 0.01	and a state of the		
	Minimum corrected weight of impurity in sample (µg):	0.03	0.00	0.03		
Se . 31.	Maximum corrected weight of impurity in sample (µg):	0.03	0.01	0.04		
1993	Measured concentration of impurity in sample (µg/ml):	6.44E-02	< 7.40E-03	Ni		
	Uncorrected weight of impurity in sample (µg):	7.47	< 1.04	< 8.51		
Ni	Weight of impurity in blank (µg):	< 0.98	< 0.97	The and the second		
	Minimum corrected weight of impurity in sample (µg):	6.49	0.00	6.49		
C. M. 1923	Maximum corrected weight of impurity in sample (µg):	7.47	1.04	8.51		
	Measured concentration of impurity in sample (µg/ml):	3.48E+00	6.16E-01	Ca	The second s	
	Uncorrected weight of impurity in sample (µg):	403.68	86.24	489.92		
Ca	Weight of impurity in blank (µg):	<43.96	<43.62	P. S. Sandara and		11-11-11-11-11-11-11-11-11-11-11-11-11-
	Minimum corrected weight of impurity in sample (µg):	359.72	42.62	402.34		
100	Maximum corrected weight of impurity in sample (µg):	403.68	86.24	489.92		
1	Measured concentration of impurity in sample (µg/ml):	4.33E+00	7.91E-01	Al		
Sec. 1	Uncorrected weight of impurity in sample (µg):	502.28	110.74	613.02		
AI	Weight of impurity in blank (µg):	9.44	8.57	and the set of the set		and the second sec
	Minimum corrected weight of impurity in sample (µg):	492.84	102.17	595.01		
	Maximum corrected weight of impurity in sample (µg):	492.84	102.17	595.01		
	Measured concentration of impurity in sample (µg/ml):	1.21E-01	1.01E-01	Ti		The state of the second state of the
	Uncorrected weight of impurity in sample (µg):	14.04	14.14	28.18		
Ti	Weight of impurity in blank (µg):	< 0.70	< 0.69	the state of the second second		a state to be the second
	Minimum corrected weight of impurity in sample (µg):	13.34	13.45	26.78		
1.201	Maximum corrected weight of impurity in sample (µg):	14.04	14.14	28.18		
-1.54	Measured concentration of impurity in sample (µg/ml):	1.10E-01	2.68E-02	V		The state of the state of the
	Uncorrected weight of impurity in sample (µg):	12.76	3.75	16.51		
v	Weight of impurity in blank (µg):	< 0.02	< 0.02	And all the second		the second s
18	Minimum corrected weight of impurity in sample (µg):	12.74	3.73	16.48		
	Maximum corrected weight of impurity in sample (µg):	12.76	3.75	16.51		the state of the state

Comments

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Water rinse not analyzed. FCM checked the data against the official results of RMAL17843 on 2/5/2018.

Fied c. Montgomly 2-8-2018

Data Report For	m DRF-26A: Pre-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	Pre-burn leach blank
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2 DRF26R3.xls

Average weight uranium per particle, mean value (g):		3.94E-04			
Av	erage weight uranium per particle, uncertainty in mean (g):	3.94E-06			
		First Leach	Second Leach	Total	
	Pre-burn leach solution ID:	L17112005	L17112205	No. Constants	
	Total volume of leach solution (ml):	132.0	131.0	and the second second	
Card-	the second s	5 200	A PARTY AND A PARTY	All and a state	
	Radiochemical laboratory analysis number:	17843-005	17843-010	and the second second	
	Measured uranium concentration (µg/ml):	3.21E-04	4.56E-04	and the second of	
	Uncertainty in uranium concentration (µg/ml):	3.21E-05	4.56E-05	12 20	
	Weight uranium leached (g):	4.24E-08	5.97E-08	1.02E-07	
120	Uncertainty in weight uranium leached (g):	4.24E-09	5.98E-09	7.33E-09	
	Equivalent number of leached kernels:	1.08E-04	1.52E-04	2.59E-04	
	Uncertainty in equivalent number of leached kernels:	1.08E-05	1.53E-05	1.88E-05	
and the second	and the second	A Same and the same		The second second	
Fe	Measured concentration (µg/ml):	4.90E-02	6.78E-02	Fe	
Fe.	Total weight of leached impurity (µg):	6.47	8.88	15.35	
Cr	Measured concentration (µg/ml):	< 2.91E-03	3.01E-03	Cr	
C,	Total weight of leached impurity (µg):	< 0.38	0.39	< 0.78	
Mn	Measured concentration (µg/ml):	1.13E-03	1.51E-03	Mn	
Full	Total weight of leached impurity (µg):	0.15	0.20	0.35	
Co	Measured concentration (µg/ml):	6.55E-04	2.49E-03	Co	
	Total weight of leached impurity (µg):	0.02	< 0.01	< 0.03	
Ni	Measured concentration (µg/ml):	< 7.40E-03	< 7.40E-03	Ni	
	Total weight of leached impurity (µg):	< 0.98	< 0.97	< 1.95	
Ca	Measured concentration (µg/ml):	< 3.33E-01	< 3.33E-01	Ca	
-	Total weight of leached impurity (µg):	<43.96	<43.62	<87.58	
AI	Measured concentration (µg/ml):	7.15E-02	6.54E-02	AI	
	Total weight of leached impurity (µg):	9.44	8.57	18.01	
Ti	Measured concentration (µg/ml):	< 5.29E-03	< 5.29E-03	Ti	
	Total weight of leached impurity (µg):	< 0.70	< 0.69	< 1.39	
v	Measured concentration (µg/ml):	< 1.33E-04	< 1.33E-04	v	
	Total weight of leached impurity (µg):	< 0.02	< 0.02	< 0.03	

Water rinse	Include if > 10% of 2nd leach
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Comments

Water rinse not analyzed. FCM checked the data against the official results of RMAL17843 on 2/5/2018. Cobalt values for this Blank sample were an artifact of contamination introduced during analysis. Reported values for 1st and 2nd leach of 0.09 µg and 0.33 µg, respectively, were replaced with typical values 0.02 and <0.01.

Fiel C. Montgomery 2-8-2018 Determined

Data Report F	orm DRF-26B: Post-Burn Leach Uranium and Impurities
Procedur	e: AGR-CHAR-DAM-26 Rev. 3
Operato	pr: Montgomery/Dyer
Compact lot I	D: BWXT J52R-16-14154C
Compact lot descriptio	n: AGR-5/6/7 compacts, 40% packing fraction
Compact ID number	rs: 1021, 1042, 1056, 1093, 1105
DRF filenam	e: \\mc-agr\AGR\LeachBurnLeach\14154C-Group 2_DRF26R3.xls

-	Number of compacts: Average weight uranium per particle, mean value (g):	5 3.94E-04		
Ave	rage weight uranium per particle, uncertainty in mean (g):		3.94E-04	
1146	age neight and an per particle, ancertainty in mean (g).		0.042 00	
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	B17120501	B17120801	and the los at
	Total volume of leach solution (ml):	47.0	50.0	
		The Contraction of the	and the second second	
	Radiochemical laboratory analysis number:	17875-001	17875-006	
_	Measured uranium concentration (µg/ml):	3.10E-01	5.72E-03	
	Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g):	3.10E-02 1.46E-05	5.72E-04 2.86E-07	1.49E-05
-	Uncertainty in weight uranium leached (g):	1.47E-06	2.88E-08	1.49E-05
-	Equivalent number of leached kernels:	3.70E-02	7.26E-04	3.77E-02
	Uncertainty in equivalent number of leached kernels:	3.75E-03	7.36E-05	3.75E-03
	and the second sec	- Stand	1 3 - S - S - L	a second the
F	Measured concentration of impurity in sample (µg/ml):	2.38E+00	< 1.09E-01	Fe
-	Uncorrected weight of impurity in sample (µg):	111.86	< 5.45	<117.31
٩F	Weight of impurity in blank (µg):	< 5.23 106.63	< 5.56 0.00	100 02
H	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	106.63	5.45	106.63
+	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	2.18E-02	< 5.79E-04	Cr
F	Uncorrected weight of impurity in sample (µg):	1.02	< 0.03	< 1.05
r	Weight of impurity in blank (µg):	< 0.03	< 0.03	
F	Minimum corrected weight of impurity in sample (µg):	1.00	0.00	1.00
	Maximum corrected weight of impurity in sample (µg):	1.02	0.03	1.05
	Measured concentration of impurity in sample (µg/ml):	8.36E-03	1.23E-03	Mn
	Uncorrected weight of impurity in sample (µg):	0.39	0.06	0.45
۳Ę	Weight of impurity in blank (µg):	< 0.04	< 0.05	0.00
H	Minimum corrected weight of impurity in sample (µg):	0.35	0.01 0.06	0.36
-	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	1.41E-03	< 1.69E-04	0.45 Co
H	Uncorrected weight of impurity in sample (µg/mi):	0.07	< 0.01	< 0.07
, F	Weight of impurity in blank (µg):	0.07	< 0.01	< 0.0/
F	Minimum corrected weight of impurity in sample (µg):	0.05	0.00	0.05
	Maximum corrected weight of impurity in sample (µg):	0.05	0.01	0.05
	Measured concentration of impurity in sample (µg/ml):	4.43E-02	< 1.54E-02	Ni
	Uncorrected weight of impurity in sample (µg):	2.08	< 0.77	< 2.85
۱Ľ	Weight of impurity in blank (µg):	< 0.74	< 0.79	Tal
H	Minimum corrected weight of impurity in sample (µg):	1.34	0.00	1.34
+	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	2.08 9.87E-01	0.77 2.30E-01	2.85 Ca
H	Uncorrected weight of impurity in sample (µg/m):	46.39	11.50	60.29
۱ŀ	Weight of impurity in blank (µg):	7.58	3.27	00.25
	Minimum corrected weight of impurity in sample (µg):	38.81	8.23	48,50
F	Maximum corrected weight of impurity in sample (µg):	38.81	8.23	48.50
	Measured concentration of impurity in sample (µg/ml):	1.51E+00	3.20E-01	AI
	Uncorrected weight of impurity in sample (µg):	70.97	16.00	93.42
۱Ľ	Weight of impurity in blank (µg):	1.78	2.20	- Andrews
-	Minimum corrected weight of impurity in sample (µg):	69.19	13.80	87.93
+	Maximum corrected weight of impurity in sample (µg):	69.19 5.44E-01	13.80	87.93
H	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	5.44E-01 25.57	7.20E-02 3.60	<b>Ti</b> 29.17
H	Weight of impurity in blank (µg):	< 0.18	< 0.19	23.17
F	Minimum corrected weight of impurity in sample (µg):	25.39	3.41	28.80
F	Maximum corrected weight of impurity in sample (µg):	25.57	3.60	29.17
+	Measured concentration of impurity in sample (µg/ml):	2.73E-01	3.87E-03	v
	Uncorrected weight of impurity in sample (µg):	12.83	0.19	13.02
	Weight of impurity in blank (µg):	< 0.04	< 0.04	to the table
	Minimum corrected weight of impurity in sample (µg):	12.79	0.15	12.94
	Maximum corrected weight of impurity in sample (µg):	12.83	0.19	13.02

Water rinse	Include if > 10% of 2nd leach
W17120801	and the second second second
25.0	
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17875-011	
1.40E-03	
1.40E-04	
3.50E-08	N
3.62E-09	and the second second
8.88E-05	
9.22E-06	
- Renteries	
< 1.09E-01	A CONTRACT OF
< 2.73	N
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< 5.79E-04	and a second
< 0.01	N
< 0.01	
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< 9.36E-04	and the second se
< 0.02	N
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0.00	
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< 1.69E-04	and the second of an end of the second of
< 0.00	N
< 0.00	
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< 1.54E-02	N
< 0.39 < 0.28	IN
0.00	
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9.59E-02	
2.40	Y
0.93	A REAL PROPERTY AND A REAL
1.47	
1.47	
1.29E-01	
6.45	Y
1.52	and the second second second second
4.93	
4.93	
1.11E-02	
0.28	N
< 0.07	and the second se
0.21	
0.28	
< 8.43E-04	
< 0.02	N
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Fred C. Montgo Mery 2-6-2018

Data Report For	m DRF-26B: Post-Bum Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1004, 1016, 1018, 1085, 1101
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2_DRF26R3.xls

	Number of compacts:		5	
	Average weight uranium per particle, mean value (g):		3.94E-04	
Ave	rage weight uranium per particle, uncertainty in mean (g):		3.94E-06	
				_
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	B17120502	B17120802	The second second
	Total volume of leach solution (ml):	41.0	48.0	
	and the second	2. 19.19		
	Radiochemical laboratory analysis number:	17875-002	17875-007	
	Measured uranium concentration (µg/ml):	3.02E-01	6.22E-03	
	Uncertainty in uranium concentration (µg/ml):	3.02E-02	6.22E-04	1 0 0 0
-	Weight uranium leached (g): Uncertainty in weight uranium leached (g):	1.24E-05	2.99E-07	1.27E-05
	Equivalent number of leached kernels:	1.25E-06 3.14E-02	3.01E-08 7.58E-04	1.25E-00 3.22E-02
	Uncertainty in equivalent number of leached kernels:	3.20E-03	7.68E-04	3.20E-02
-	oncertainty in equivalent number of reached kennels.	3.202-03	7.062-03	3.202-02
-	Measured concentration of impurity in sample (µg/ml):	2.74E+00	1.17E-01	Fe
H	Uncorrected weight of impurity in sample (µg):	112.34	5.62	117.96
Fe	Weight of impurity in blank (µg):	< 5.23	< 5.56	117.30
	Minimum corrected weight of impurity in sample (µg):	107.11	0.06	107.17
F	Maximum corrected weight of impurity in sample (µg):	112.34	5.62	117.96
	Measured concentration of impurity in sample (µg/ml):	1.81E-02	< 5.79E-04	Cr
F	Uncorrected weight of impurity in sample (µg):	0.74	< 0.03	< 0.77
Cr	Weight of impurity in blank (µg):	< 0.03	< 0.03	and the second
	Minimum corrected weight of impurity in sample (µg):	0.71	0.00	0.71
	Maximum corrected weight of impurity in sample (µg):	0.74	0.03	0.77
	Measured concentration of impurity in sample (µg/ml):	6.42E-03	< 9.36E-04	Mn
	Uncorrected weight of impurity in sample (µg):	0.26	< 0.04	< 0.31
In [	Weight of impurity in blank (µg):	< 0.04	< 0.05	1000
	Minimum corrected weight of impurity in sample (µg):	0.22	0.00	0.22
	Maximum corrected weight of impurity in sample (µg):	0.26	0.04	0.31
	Measured concentration of impurity in sample (µg/ml):	1.74E-03	< 1.69E-04	Co
	Uncorrected weight of impurity in sample (µg):	0.07	< 0.01	< 0.08
0	Weight of impurity in blank (µg):	0.02	< 0.01	La series
	Minimum corrected weight of impurity in sample (µg):	0.05	0.00	0.05
	Maximum corrected weight of impurity in sample (µg):	0.05	0.01	0.06
	Measured concentration of impurity in sample (µg/ml):	4.46E-02	< 1.54E-02	Ni
. L	Uncorrected weight of impurity in sample (µg):	1.83	< 0.74	< 2.57
II [	Weight of impurity in blank (µg):	< 0.74	< 0.79	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
L	Minimum corrected weight of impurity in sample (µg):	1.09	0.00	1.09
	Maximum corrected weight of impurity in sample (µg):	1.83	0.74	2.57
F	Measured concentration of impurity in sample (µg/ml):	8.03E-01	7.10E-01	Ca
	Uncorrected weight of impurity in sample (µg):	32.92	34.08	70.56
Ca	Weight of impurity in blank (µg):	7.58	3.27	50 77
-	Minimum corrected weight of impurity in sample (µg):	25.34	30.81	58.77
-	Maximum corrected weight of impurity in sample (µg):	25.34 1.09E+00	30.81 4.31E-01	58.77 Al
-	Measured concentration of impurity in sample (µg/ml):	1.09E+00 44.69	4.31E-01 20.69	69.16
	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):	44.69	20.69	09.10
"  -	Minimum corrected weight of impurity in sample (µg):	42.91	18.48	63.66
H	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	42.91	18.48	63.66
-	Measured concentration of impurity in sample (µg/ml):	5.51E-01	8.46E-02	03.00 Ti
H	Uncorrected weight of impurity in sample (µg):	22.59	4.06	26.65
ιŀ	Weight of impurity in blank (µg):	< 0.18	< 0.19	20.05
·  -	Minimum corrected weight of impurity in sample (µg):	22.41	3.87	26.29
H	Maximum corrected weight of impurity in sample (µg):	22.59	4.06	26.65
-	Measured concentration of impurity in sample (µg/ml):	2.65E-01	3.67E-03	V
H	Uncorrected weight of impurity in sample (µg):	10.87	0.18	11.04
	Weight of impurity in blank (µg):	< 0.04	< 0.04	11.04
v		10.82	0.13	10.96
۲ŀ	Minimum corrected weight of impurity in sample (µg):	10.02		

Water rinse	Include if > 10% of 2nd leach
W17120802	and the second second second second second
19.0	
Internet	
17875-012	
3.11E-03	
3.11E-04	
5.91E-08	N
6.25E-09	
1.50E-04	
1.59E-05	
THAT EXTRA	
< 1.09E-01	
< 2.07	N
< 1.96	The set of the set of the set of
0.00	
2.07	
< 5.79E-04	
< 0.01	N
< 0.01	
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0.01	
< 9.36E-04	No. 1 Contraction of the second
< 0.02	N
< 0.02	and the second s
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0.02	
< 1.69E-04	the rest of the second s
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< 1.54E-02	the state of the state of the state
< 0.29	N
< 0.28	
0.00	
0.29	
1.87E-01	a set a set of the
3.55	Y
0.93	
2.62	
2.62	
1.99E-01	
3.78	Y
1.52	
2.27	
2.27	
1.32E-02	
0.25	N
< 0.07	
0.18	
0.25	
< 8.43E-04	N
< 0.02	N
< 0.02	
0.00	
0.02	the state of the second state of the second

Fuel C. Montgomely 2-6-2018 Operator

Data Report For	m DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1006, 1057, 1068, 1078, 1107
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2_DRF26R3.xls

	Number of compacts:		5	
	Average weight uranium per particle, mean value (g):		3.94E-04	
Aver	age weight uranium per particle, uncertainty in mean (g):		3.94E-06	
	Г	First Leach	Second Leach	Total
	Post-burn leach solution ID:	B17120503	B17120803	Total
_	Total volume of leach solution (ml):	45.0	46.0	
	Total volume of reach solution (m).	43.0	40.0	
-	Radiochemical laboratory analysis number:	17875-003	17875-008	
	Measured uranium concentration (µg/ml):	9.28E+00	7.20E-02	
	Uncertainty in uranium concentration (µg/ml):	9.28E-01	7.20E-03	
	Weight uranium leached (g):	4.18E-04	3.31E-06	4.21E-04
	Uncertainty in weight uranium leached (g):	4.22E-05	3.34E-07	4.22E-05
	Equivalent number of leached kernels:	1.06E+00	8.41E-03	1.07E+0
	Uncertainty in equivalent number of leached kernels:	1.08E-01	8.53E-04	1.08E-01
		State and the	14 1 13-2 -	at the m
F	Measured concentration of impurity in sample (µg/ml):	3.32E+00	1.22E-01	Fe
H	Uncorrected weight of impurity in sample (µg):	149.40	5.61	155.01
L	Weight of impurity in blank (µg):	< 5.23	< 5.56	
F	Minimum corrected weight of impurity in sample (µg):	144.17	0.05	144.22
-	Maximum corrected weight of impurity in sample (µg):	149.40	5.61	155.01
F	Measured concentration of impurity in sample (µg/ml):	1.94E-02	< 5.79E-04	Cr
H	Uncorrected weight of impurity in sample (µg):	0.87	< 0.03	< 0.90
F	Weight of impurity in blank (µg):	< 0.03	< 0.03	The state
F	Minimum corrected weight of impurity in sample (µg):	0.85	0.00	0.85
	Maximum corrected weight of impurity in sample (µg):	0.87	0.03	0.90
L	Measured concentration of impurity in sample (µg/ml):	6.30E-03	< 9.36E-04	Mn
-	Uncorrected weight of impurity in sample (µg):	0.28	< 0.04	< 0.33
-	Weight of impurity in blank (µg):	< 0.04	< 0.05	0.51
H	Minimum corrected weight of impurity in sample (µg):	0.24	0.00	0.24
H	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	0.28 2.12E-03	0.04 < 1.69E-04	0.33
H			< 1.69E-04	Co
H	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):	0.10	< 0.01	< 0.10
H	Minimum corrected weight of impurity in sample (µg):	0.02	< 0.01	0.07
-	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	0.07	0.00	0.07
-	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	5.94E-02	< 1.54E-02	0.08 Ni
H	Uncorrected weight of impurity in sample (µg):	2.67	< 0.71	< 3.38
H	Weight of impurity in blank (µg):	< 0.74	< 0.79	\$ 3.38
F	Minimum corrected weight of impurity in sample (µg):	1.93	0.00	1.93
	Maximum corrected weight of impurity in sample (µg):	2.67	0.71	3.38
t	Measured concentration of impurity in sample (µg/ml):	1.01E+00	2.02E-01	Ca
F	Uncorrected weight of impurity in sample (µg):	45.45	9.29	57.24
	Weight of impurity in blank (µg):	7.58	3.27	57124
F	Minimum corrected weight of impurity in sample (µg):	37.87	6.02	45,46
	Maximum corrected weight of impurity in sample (µg):	37.87	6.02	45.46
1	Measured concentration of impurity in sample (µg/ml):	1.29E+00	2.27E-01	Al
	Uncorrected weight of impurity in sample (µg):	58.05	10.44	72.27
	Weight of impurity in blank (µg):	1.78	2.20	A COLORADO
	Minimum corrected weight of impurity in sample (µg):	56.27	8.24	66.78
	Maximum corrected weight of impurity in sample (µg):	56.27	8.24	66.78
	Measured concentration of impurity in sample (µg/ml):	4.29E-01	6.22E-02	Ti
	Uncorrected weight of impurity in sample (µg):	19.31	2.86	22.17
	Weight of impurity in blank (µg):	< 0.18	< 0.19	and the second second
Ĩ	Minimum corrected weight of impurity in sample (µg):	19.13	2.67	21.80
	Maximum corrected weight of impurity in sample (µg):	19.31	2.86	22.17
Ľ	Measured concentration of impurity in sample (µg/ml):	2.51E-01	5.55E-03	v
Ĩ	Uncorrected weight of impurity in sample (µg):	11.30	0.26	11.55
E	Weight of impurity in blank (µg):	< 0.04	< 0.04	State of the second
17	Minimum corrected weight of impurity in sample (µg):	11.25	0.21	11.47
	Maximum corrected weight of impurity in sample (µg):	11.30	0.26	11.55

Water rinse	Include if > 10% of 2nd leach
W17120803	
20.0	
and the second	
17875-013	
3.16E-03	
3.16E-04	
6.32E-08	N
6.65E-09	the second state of the second
1.60E-04	
1.69E-05	
and the second second	
< 1.09E-01	
< 2.18	N
< 1.96	and the second se
0.00	
2.18	
< 5.79E-04	
< 0.01	N
< 0.01	No. of Concession, Name
0.00	
0.00	
< 9.36E-04	
< 0.02	N
< 0.02	
0.00	
0.02	
< 1.69E-04	
< 0.00	N
< 0.00	The second se
0.00	
0.00	
< 1.54E-02	
< 0.31	N
< 0.28	the second s
0.00	
0.31	
1.25E-01	
2.50	Y
0.93	and you want to be a strate of the set
1.57	
1.57	
1.89E-01	
3.78	Y
1.52	A REAL PROPERTY OF THE REAL PROPERTY OF
2.26	
2.26	
9.67E-03	
0.19	N
< 0.07	N .
0.13	
0.19	
< 8.43E-04	
< 0.02	N
< 0.02	IN CONTRACTOR
0.02	
0.02	
0.02	and the second se

Fued C. Montgomery 2-6-2018 Operator Date

Data Report For	m DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1002, 1036, 1038, 1083, 1098
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2_DRF26R3.xls

	Number of compacts:	S	5	
10	Average weight uranium per particle, mean value (g):		3.94E-04	121 121
Ave	rage weight uranium per particle, uncertainty in mean (g):		3.94E-06	11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	B17120504	B17120804	
	Total volume of leach solution (ml):	45.0	48.0	
100	and the second	A CONTRACT OF		
	Radiochemical laboratory analysis number:	17875-004	17875-009	
_	Measured uranium concentration (µg/ml):	3.04E-01	5.43E-03	
_	Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g):	3.04E-02 1.37E-05	5.43E-04 2.61E-07	1 205 05
	Uncertainty in weight uranium leached (g):	1.37E-05 1.38E-06	2.63E-07	1.39E-05 1.38E-06
-	Equivalent number of leached kernels:	3.47E-02	6.62E-04	3.54E-02
	Uncertainty in equivalent number of leached kernels:	3.53E-03	6.71E-05	3.54E-02
-	oncertainty in equivalent hamber of redened kemelor	5.552-05	0.712-05	3.352-03
1	Measured concentration of impurity in sample (µg/ml):	2.43E+00	< 1.09E-01	Fe
F	Uncorrected weight of impurity in sample (µg):	109.35	< 5.23	<114.58
e F	Weight of impurity in blank (µg):	< 5.23	< 5.56	11.00
	Minimum corrected weight of impurity in sample (µg):	104.12	0.00	104.12
	Maximum corrected weight of impurity in sample (µg):	109.35	5.23	114.58
	Measured concentration of impurity in sample (µg/ml):	1.79E-02	< 5.79E-04	Cr
	Uncorrected weight of impurity in sample (µg):	0.81	< 0.03	< 0.83
- 1	Weight of impurity in blank (µg):	< 0.03	< 0.03	Contraction of the second
	Minimum corrected weight of impurity in sample (µg):	0.78	0.00	0.78
	Maximum corrected weight of impurity in sample (µg):	0.81	0.03	0.83
	Measured concentration of impurity in sample (µg/ml):	7.19E-03	< 9.36E-04	Mn
	Uncorrected weight of impurity in sample (µg):	0.32	< 0.04	< 0.37
۱Ľ	Weight of impurity in blank (µg):	< 0.04	< 0.05	States and
	Minimum corrected weight of impurity in sample (µg):	0.28	0.00	0.28
	Maximum corrected weight of impurity in sample (µg):	0.32	0.04	0.37
	Measured concentration of impurity in sample (µg/ml):	1.41E-03	< 1.69E-04	Co
	Uncorrected weight of impurity in sample (µg):	0.06	< 0.01	< 0.07
νĽ	Weight of impurity in blank (µg):	0.02	< 0.01	The state
	Minimum corrected weight of impurity in sample (µg):	0.04	0.00	0.04
	Maximum corrected weight of impurity in sample (µg):	0.04	0.01	0.05
	Measured concentration of impurity in sample (µg/ml):	4.46E-02	< 1.54E-02	Ni
	Uncorrected weight of impurity in sample (µg):	2.01	< 0.74	< 2.75
ιĽ	Weight of impurity in blank (µg):	< 0.74	< 0.79	Part - and
	Minimum corrected weight of impurity in sample (µg):	1.27	0.00	1.27
	Maximum corrected weight of impurity in sample (µg):	2.01	0.74	2.75
L	Measured concentration of impurity in sample (µg/ml):	1.06E+00	1.89E-01	Ca
H	Uncorrected weight of impurity in sample (µg):	47.70	9.07	62.33
۱Ľ	Weight of impurity in blank (µg):	7.58	3.27	and the second
H	Minimum corrected weight of impurity in sample (µg):	40.12	5.80	50.55
-	Maximum corrected weight of impurity in sample (µg):	40.12	5.80	50.55
H	Measured concentration of impurity in sample (µg/ml):	1.47E+00	2.65E-01	Al
H	Uncorrected weight of impurity in sample (µg):	66.15	12.72	86.55
H	Weight of impurity in blank (µg):	1.78	2.20	01.00
H	Minimum corrected weight of impurity in sample (µg):	64.37	10.52	81.06 81.06
-	Maximum corrected weight of impurity in sample (µg):	64.37 4.21E-01	10.52 3.82E-02	81.06 Ti
H	Measured concentration of impurity in sample (µg/ml):	4.21E-01	3.82E-02 1.83	21.10
H	Uncorrected weight of impurity in sample (µg):			21.10
H	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):	< 0.18 18.77	< 0.19	20.67
H		18.77	1.65	20.67
+	Maximum corrected weight of impurity in sample (µg):		1.83	21.10 V
H	Measured concentration of impurity in sample (µg/ml):	2.47E-01	5.61E-03	11.38
H	Uncorrected weight of impurity in sample (µg):	11.12	0.27	11.38
Έ	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):	< 0.04 11.07	< 0.04 0.23	11.30
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	11.07	0.23	11.30
			0.2/	11.38

Water rinse	Include if > 10% of 2nd leach
W17120804	
20.0	
Contraction of the	
17875-014	
4.00E-03	
4.00E-04	
8.00E-08	N
8.41E-09	
2.03E-04	
2.14E-05	
A BRIDE THE	
< 1.09E-01	
< 2.18	N
< 1.96	
0.00	
2.18	
< 5.79E-04	
< 0.01	N
< 0.01	A CONTRACTOR OF STREET
0.00	
0.01	
< 9.36E-04	
< 0.02	N
< 0.02	The second second second
0.00	
0.02	
< 1.69E-04	
< 0.00	N
< 0.00	- Infresh
0.00	
0.00	
< 1.54E-02	
< 0.31	N
< 0.28	and the second se
0.00	
0.31	
2.78E-01	
5.56	Y
0.93	the second second second second second
4.63	
4.63	
3.84E-01	
7.68	Y
1.52	AND STREET STREET STREET
6.16	
6.16	
1.61E-02	
0.32	Y
< 0.07	State of the second sec
0.26	
0.32	
< 8.43E-04	
< 0.02	N
< 0.02	A REAL PROPERTY AND
0.02	

Fied C. Montgomery 2-6-2018 Operator

Data Report For	m DRF-26B: Post-Burn Leach Uranium and Impurities
Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery/Dyer
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	Post-burn leach blank
DRF filename:	\\mc-agr\AGR\LeachBurnLeach\14154C-Group 2 DRF26R3.xls

	Average weight uranium per particle, mean value (g):		3.94E-04	
Average weight uranium per particle, uncertainty in mean (g):			3.94E-06	
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	B17120505	B17120805	Les las merelles
C	Total volume of leach solution (ml):	48.0	51.0	
1000			and the second second second	
	Radiochemical laboratory analysis number:	17875-005	17875-010	
	Measured uranium concentration (µg/ml):	1.04E-03	3.28E-04	
	Uncertainty in uranium concentration (µg/ml):	1.04E-04	3.28E-05	
	Weight uranium leached (g):	4.99E-08	1.67E-08	6.66E-08
	Uncertainty in weight uranium leached (g):	5.04E-09	1.69E-09	5.31E-09
	Equivalent number of leached kernels:	1.27E-04	4.25E-05	1.69E-04
أسوف وسوار	Uncertainty in equivalent number of leached kernels:	1.28E-05	4.30E-06	1.36E-05
Start Lat	and the second		A STATE OF THE	
Fe	Measured concentration (µg/ml):	< 1.09E-01	< 1.09E-01	Fe
10	Total weight of leached impurity (µg):	< 5.23	< 5.56	<10.79
Cr	Measured concentration (µg/ml):	< 5.79E-04	< 5.79E-04	Cr
CI	Total weight of leached impurity (µg):	< 0.03	< 0.03	< 0.06
Mn	Measured concentration (µg/ml):	< 9.36E-04	< 9.36E-04	Mn
Part	Total weight of leached impurity (µg):	< 0.04	< 0.05	< 0.09
Co -	Measured concentration (µg/ml):	4.35E-04	< 1.69E-04	Co
	Total weight of leached impurity (µg):	0.02	< 0.01	< 0.03
Ni	Measured concentration (µg/ml):	< 1.54E-02	< 1.54E-02	Ni
	Total weight of leached impurity (µg):	< 0.74	< 0.79	< 1.52
Ca -	Measured concentration (µg/ml):	1.58E-01	6.41E-02	Ca
	Total weight of leached impurity (µg):	7.58	3.27	11.79
AL	Measured concentration (µg/ml):	3.70E-02	4.32E-02	Al
	Total weight of leached impurity (µg):	1.78	2.20	5.49
TI	Measured concentration (µg/ml):	< 3.69E-03	< 3.69E-03	Ti
	Total weight of leached impurity (µg):	< 0.18	< 0.19	< 0.37
		< 8.43E-04	< 8.43E-04	v
v	Measured concentration (µg/ml): Total weight of leached impurity (µg):	< 0.04	< 0.04	< 0.08

Water rinse	Include if > 10% of 2nd leach
W17120805	the second s
18.0	
and the second second	
17875-015	
5.26E-04	
5.26E-05	
9.47E-09	N
1.01E-09	
2.40E-05	
2.57E-06	
Star & sale	
< 1.09E-01	A state of the second state of the second state of the
< 1.96	N
< 5.79E-04	
< 0.01	N
< 9.36E-04	a start of the start of the start of
< 0.02	N
< 1.69E-04	
< 0.00	N
< 1.54E-02	and the state of the state of the
< 0.28	N
5.18E-02	
0.93	Y
8.42E-02	and the second second second
1.52	Y
< 3.69E-03	
< 0.07	N
< 8.43E-04	and a set of the set of the
< 0.02	N

FCM checked the data against the official results of RMAL17875 on 2/5/2018.

Fied C. Montgo Mery

2-6-2018 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1052, 1086, 1104, 1034, 1007
DRF filename:	14154C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	Pre-burn leach solution ID: Total volume of leach solution (ml): RMAL analysis number: Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	L19010701 158.0 19049-001	L19010901 183.0		W19010903 25.0	A STATE OF A STATE
	RMAL analysis number: Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	A Bartanta	183.0	and the second sec	25.0	
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	19049-001	A REAL PROPERTY AND A			
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	19049-001		1. 300 million and the second	State State	
	Uncertainty in uranium concentration (µg/ml):		19049-005	The same of the	19049-009	
		2.56E+00	7.98E-03	State State	1.93E-03	
		2.56E-01	7.98E-04	and and the second	1.93E-04	
	Weight uranium leached (g):	4.04E-04	1.46E-06	4.06E-04	4.83E-08	N
	Uncertainty in weight uranium leached (g):	4.05E-05	1.46E-07	4.05E-05	4.99E-09	a man a superior a local a superior
	Equivalent number of leached kernels:	1.03E+00	3.71E-03	1.03E+00	1.22E-04	
	Uncertainty in equivalent number of leached kernels:	1.03E-01	3.73E-04	1.03E-01	1.27E-05	
Mar a set			E Start Barris	a same and		
	Measured concentration of impurity in sample (µg/ml):			Fe	- Andrewski -	
	Uncorrected weight of impurity in sample (µg):				C. Statement	
Fe	Weight of impurity in blank (µg):					and the second second second
	Minimum corrected weight of impurity in sample (µg):					
. to 14 841	Maximum corrected weight of impurity in sample (µg):			Contraction of the Contraction of the		
	Measured concentration of impurity in sample (µg/ml):			Cr		and the second se
	Uncorrected weight of impurity in sample (µg):	-13 1 2 4 4				
Cr	Weight of impurity in blank (µg):	Contraction and			. The second	
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				Proventing and	
	Measured concentration of impurity in sample (µg/ml):			Mn		and the second s
	Uncorrected weight of impurity in sample (µg):		States and Park	The second second		
Mn	Weight of impurity in blank (µg):			Street Barriston and		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			and the second second		
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			A PARTINE TO		
	Minimum corrected weight of impurity in sample (µg):					
<u> </u>	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		Carlo Carlos Carlos Carlos Carlos
Ni	Uncorrected weight of impurity in sample (µg):			And and a second second		
	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):			La		
Ca	Weight of impurity in blank (µg):			a containing the first		and the second se
-	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AL	Weight of impurity in blank (µg):				100	A REAL PROPERTY OF THE PROPERTY OF
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the second s
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):	100000000000				and the state of t
Ti	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					the second with the second second
	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			A STATE STATE OF		and the second second second
	Minimum corrected weight of impurity in sample (µg):		and the second second			State - Barris - State - State
	Maximum corrected weight of impurity in sample (µg):					

#### Comments

Leached in Vessel #31 (previously used for 14155D-Group 2 Clutch 5). FCM checked the recorded data against the official Results of Analysis for RMAL19049 on 3/26/2019.

Fred C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1072, 1064, 1027, 1103, 1061
DRF filename:	14154C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

if > 10% of 2nd leach

Ν

		First Leach	Second Leach	Total	Water rinse	Include
	Pre-burn leach solution ID:	L19010702	L19010802	And the second se	W19010904	
	Total volume of leach solution (ml):	146.0	183.0	and the second second	32.5	
10000		State - B State	The state	and the second	12-1. S. 20-12	
	RMAL analysis number:	19049-002	19049-006	A State of the second	19049-010	
	Measured uranium concentration (µg/ml):	2.63E+00	1.03E-01	Martin Strategy	1.01E-02	
	Uncertainty in uranium concentration (µg/ml):	2.63E-01	1.03E-02	Station in the local barries	1.01E-03	
	Weight uranium leached (g):	3.84E-04	1.88E-05	4.03E-04	3.28E-07	
	Uncertainty in weight uranium leached (g):	3.84E-05	1.89E-06	3.85E-05	3.35E-08	Selfin English
	Equivalent number of leached kernels:	9.75E-01	4.78E-02	1.02E+00	8.33E-04	
	Uncertainty in equivalent number of leached kernels:	9.80E-02	4.81E-03	9.82E-02	8.54E-05	
Sec. 1		Contraction of the local			Tartas States	
	Measured concentration of impurity in sample (µg/ml):			Fe		Z Million
	Uncorrected weight of impurity in sample (µg):			The Tables		
Fe	Weight of impurity in blank (µg):			a mark him have		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		Ser Street
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second second				
	Measured concentration of impurity in sample (µg/ml):			Mn		the second
Mn	Uncorrected weight of impurity in sample (µg):			COLUMN DATES OF CASE		-
Part	Weight of impurity in blank (µg):	the second second		and the state of the		
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
1 13	Uncorrected weight of impurity in sample (µg/iii):			CO		
Co	Weight of impurity in blank (µg):			And the second s		ALC YOUR
	Minimum corrected weight of impurity in sample (µg):			Sandy Contraction		
	Maximum corrected weight of impurity in sample (µg):					
100	Measured concentration of impurity in sample (µg/ml):		The second second	Ni		
1.1	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			Contraction of the		2 Martin
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					2. 12 C (
Ca [	Weight of impurity in blank (µg):			1 Plant P		Dist -
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		Section 1
	Uncorrected weight of impurity in sample (µg):			The State of States	Selection of the	5 (S. S. L.)
AI	Weight of impurity in blank (µg):	Section 199		a feat and the map of		
	Minimum corrected weight of impurity in sample (µg):			A STATE OF STATE		
	Maximum corrected weight of impurity in sample (µg):			A COLOR STORY		
	Measured concentration of impurity in sample (µg/ml):	2 HOLE DAVIS		Ti		Same and
-	Uncorrected weight of impurity in sample (µg):					
TI	Weight of impurity in blank (µg):			The second second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			N		
H	Measured concentration of impurity in sample (µg/ml):			V		The second second
v	Uncorrected weight of impurity in sample (µg):			Constant in the second		
v  -	Weight of impurity in blank (µg):			a transferrant of the		
	Minimum corrected weight of impurity in sample (µg):			the state of the state		
- F	Maximum corrected weight of impurity in sample (µg):	the second se	the second se			

Comments

Leached in Vessel #32 (previously used for 14155D-Group 2 Clutch 6). FCM checked the recorded data against the official Results of Analysis for RMAL19049 on 3/26/2019.

Fied C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1094, 1050, 1106, 1079, 1041
DRF filename:	14154C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if
in the second second	Pre-burn leach solution ID:	L19011001	L19011401		W19011403	The second second
	Total volume of leach solution (ml):	170.0	179.0	State State State	37.5	
	a long and the second s	Lingente als months	and a first of the state	And the second s	State - State	
	RMAL analysis number:	19049-003	19049-007		19049-011	
	Measured uranium concentration (µg/ml):	2.37E+00	1.04E-01	and the second	1.45E-02	
	Uncertainty in uranium concentration (µg/ml):	2.37E-01	1.04E-02	and the second	1.45E-03	
	Weight uranium leached (g):	4.03E-04	1.86E-05	4.22E-04	5.44E-07	
	Uncertainty in weight uranium leached (g):	4.03E-05	1.86E-06	4.04E-05	5.52E-08	and the second
	Equivalent number of leached kernels:	1.02E+00	4.72E-02	1.07E+00	1.38E-03	
	Uncertainty in equivalent number of leached kernels:	1.03E-01	4.75E-03	1.03E-01	1.41E-04	
Sec. 1		and the second		and the second second	toping the state of the state o	
	Measured concentration of impurity in sample (µg/ml):			Fe		and the state
	Uncorrected weight of impurity in sample (µg):			A PARA A MARK		
Fe	Weight of impurity in blank (µg):	and the second		A CONTRACTOR		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr	and the second second	Provide State
	Uncorrected weight of impurity in sample (µg):			1. 2. 21		
Cr	Weight of impurity in blank (µg):			A PARA T		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Mn	-	Contraction of the second
Mn	Weight of impurity in blank (µg):			All shapes the same time		
Pin	Minimum corrected weight of impurity in sample (µg):	-		State State State		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		
	Uncorrected weight of impurity in sample (µg):			0		and the state
Co	Weight of impurity in blank (µg):			CONTRACTOR OF THE OWNER		AND A DESCRIPTION OF
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):	and the second second		Ni		
	Uncorrected weight of impurity in sample (µg):	Contraction of Sector				
Ni	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):		Contraction of the			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
1.4	Uncorrected weight of impurity in sample (µg):					1
Ca	Weight of impurity in blank (µg):					15 - 1 - 1 - 1 - 1
	Minimum corrected weight of impurity in sample (µg):					
10.00	Maximum corrected weight of impurity in sample (µg):					
100	Measured concentration of impurity in sample (µg/ml):			AI		AND EN AND
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			A MARTIN AND AND		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
-	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			The second second		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):			N		
	Measured concentration of impurity in sample (µg/ml):			v		State of the state of the state
v	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			and the second		
v	Minimum corrected weight of impurity in sample (µg):			Contra March Contra		
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Having the confected weight of impunity in sample (µg):					and the second second

> 10% of 2nd leach

Ν

Comments

Leached in Vessel #33 (previously used for 14155D-Group 2 Clutch 7). FCM checked the recorded data against the official Results of Analysis for RMAL19049 on 3/26/2019.

Fied C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1031, 1080, 1076, 1092, 1051
DRF filename:	14154C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19011002	L19011402	AND THE REAL PROPERTY OF	W19011404	the second se
	Total volume of leach solution (ml):	168.0	181.0	The trade of the second	37.5	
all all		A STATE AND A STATE OF	and the second second	and the second second	Contraction of the	
	RMAL analysis number:	19049-004	19049-008	and the state of the second	19049-012	
	Measured uranium concentration (µg/ml):	7.30E-02	1.09E-02	and Salar	1.76E-03	
	Uncertainty in uranium concentration (µg/ml):	7.30E-03	1.09E-03		1.76E-04	
	Weight uranium leached (g):	1.23E-05	1.97E-06	1.42E-05	6.60E-08	N
	Uncertainty in weight uranium leached (g):	1.23E-06	1.97E-07	1.24E-06	6.70E-09	and the second second
Ξ.	Equivalent number of leached kernels:	3.11E-02	5.01E-03	3.61E-02	1.68E-04	
	Uncertainty in equivalent number of leached kernels:	3.13E-03	5.04E-04	3.18E-03	1.71E-05	
-De-Si			The Real Property and			
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):				1	A STATE OF THE STATE OF THE STATE
Fe	Weight of impurity in blank (µg):			and an in all the second	and the second second	and the second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				TC PARA	
	Measured concentration of impurity in sample (µg/ml):			Cr	1	
	Uncorrected weight of impurity in sample (µg):			State Strength		
Cr	Weight of impurity in blank (µg):			after the transferrer		
	Minimum corrected weight of impurity in sample (µg):				-	
	Maximum corrected weight of impurity in sample (µg):		a series and			
	Measured concentration of impurity in sample (µg/ml):			Mn		the second second second second
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			A R. S. Sanding		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		and the state of the second
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):	a ser and		and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
111	Measured concentration of impurity in sample (µg/ml):	100 B 10		Ni		and the second in the second
	Uncorrected weight of impurity in sample (µg):	Contraction of the				
Ni	Weight of impurity in blank (µg):			the set of the set		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		and and the second states
	Uncorrected weight of impurity in sample (µg):		12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Ca	Weight of impurity in blank (µg):			and the second second	a state of the second	
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		the second s
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			The Bank berger		
12.11	Minimum corrected weight of impurity in sample (µg):					
S	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second second second second
ті	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg):			D. P. B. B. B. B. B.		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):			V		
	Measured concentration of impurity in sample (µg/ml):			V		and the second second second second
v	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):					the second s
v	Minimum corrected weight of impurity in sample (µg):			a setting a second second		an and the second s
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					and the second sec
	maximum confected weight of impunity in sample (µg):					a second and a second second second

Comments

Leached in Vessel #30 (previously used for 14155D-Group 2 Clutch 8). FCM checked the recorded data against the official Results of Analysis for RMAL19049 on 3/26/2019.

Fred C. Montgomery



Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1052, 1086, 1104, 1034, 1007
DRF filename:	14154C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10%
	Post-burn leach solution ID:	B19011701	B19012301	Contraction of the second	W19012303	State of the second states
1	Total volume of leach solution (ml):	59.0	64.8		20.0	
2.80		and the second	and the second of	and the second	Stand Stand	
1	RMAL analysis number:	19090-001	19090-005	The same of the	19090-009	
	Measured uranium concentration (µg/ml):	2.73E-01	1.18E-01		3.30E-02	
	Uncertainty in uranium concentration (µg/ml):	2.73E-02	1.18E-02		3.30E-03	
	Weight uranium leached (g):	1.61E-05	7.65E-06	2.38E-05	6.60E-07	N
1	Uncertainty in weight uranium leached (g):	1.62E-06	7.68E-07	1.79E-06	6.94E-08	Carta State State
	Equivalent number of leached kernels:	4.09E-02	1.94E-02	6.03E-02	1.68E-03	
	Uncertainty in equivalent number of leached kernels:	4.13E-03	1.96E-03	4.59E-03	1.77E-04	
REACT				and the second s	and California	
	Measured concentration of impurity in sample (µg/ml):		and the second se	Fe		Seal of the seal
	Uncorrected weight of impurity in sample (µg):		1 4 . 1			
Fe	Weight of impurity in blank (µg):			No. Concert		a had a set of
	Minimum corrected weight of impurity in sample (µg):					
- Per 11	Maximum corrected weight of impurity in sample (µg):	Sea Para and				
	Measured concentration of impurity in sample (µg/ml):	SARCE BAR		Cr		and the second second second
	Uncorrected weight of impurity in sample (µg):			Charles and the second		And the second second
Cr	Weight of impurity in blank (µg):	and the state of the		California Com		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		and the second second
	Uncorrected weight of impurity in sample (µg):	A Contract of the				
Mn	Weight of impurity in blank (µg):			Color States		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co	and the second second	all of the station
	Uncorrected weight of impurity in sample (µg):					And the first state
Co	Weight of impurity in blank (µg):			a stor a free ter of		
	Minimum corrected weight of impurity in sample (µg):					
1.1	Maximum corrected weight of impurity in sample (µg):				-	
	Measured concentration of impurity in sample (µg/ml):			Ni		at the second second second
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			The second second		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		1963 Automatic Ville Parking
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			a series of the series of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		2
	Uncorrected weight of impurity in sample (µg):			A Real Property lies and the second		
AI	Weight of impurity in blank (µg):			The Manual Contraction of the		
-	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Ti		and the second second second
Ti				A DECK DECK DECK DECK DECK DECK DECK DECK		
	Weight of impurity in blank (µg):					
-	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			v		
-	Uncorrected weight of impurity in sample (µg/mi):			V		a starting the second second
v	Weight of impurity in blank (µg):			- No. C. T. C.		A REAL PROPERTY AND A REAL PROPERTY AND A
•	Minimum corrected weight of impurity in sample (µg):			and the second s	0	
	Maximum corrected weight of impurity in sample (µg):					
-	Huxintan confected weight of impunity in sample (pg).					

of 2nd leach

#### Comments

FCM checked the recorded data against the official Results of Analysis for RMAL19090 on 4/04/2019.

Fred C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1072, 1064, 1027, 1103, 1061
DRF filename:	14154C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19011702	B19012302		W19012304	
	Total volume of leach solution (ml):	61.8	63.2	and the second second	20.0	
RASE		State Barris		STREET, STR		
	RMAL analysis number:	19090-002	19090-006	and the second second	19090-010	
1.1.1.1	Measured uranium concentration (µg/ml):	1.32E+01	7.50E-02	and the second second	3.67E-02	
	Uncertainty in uranium concentration (µg/ml):	1.32E+00	7.50E-03	And the second s	3.67E-03	
	Weight uranium leached (g):	8.16E-04	4.74E-06	8.21E-04	7.34E-07	N
	Uncertainty in weight uranium leached (g):	8.20E-05	4.77E-07	8.20E-05	7.72E-08	
	Equivalent number of leached kernels:	2.07E+00	1.20E-02	2.08E+00	1.86E-03	
	Uncertainty in equivalent number of leached kernels:	2.09E-01	1.22E-03	2.09E-01	1.97E-04	
President State		- 1 - Paralland	A State of the second	Strateging star	Carlo Barra	
	Measured concentration of impurity in sample (µg/ml):			Fe	and the second second	the second second second
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and some of the state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	Contract of Contracts				
	Measured concentration of impurity in sample (µg/ml):			Cr		and the second second second
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			and the second second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		and the second
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):					
4 T 3	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
Co	Uncorrected weight of impurity in sample (µg):			and the second se		Contraction of the local division of the loc
0	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			INI		
Ni	Weight of impurity in blank (µg):			Carlo Carlos Carlos		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):					and the second se
	Minimum corrected weight of impurity in sample (µg):	COLORADO NO				
	Maximum corrected weight of impurity in sample (µg):				1	
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):		STATES OF	ALL A BARY		a three to be and the set
	Minimum corrected weight of impurity in sample (µg):	23433443				
	Maximum corrected weight of impurity in sample (µg):				Contraction of the	
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second
	Uncorrected weight of impurity in sample (µg):		Contract Second			
Ti [	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):			1 A grant and		and the second sec
	Maximum corrected weight of impurity in sample (µg):					is provide the second where and
	Measured concentration of impurity in sample (µg/ml):			V		a subscription of the line of the
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			a har a second		and the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

Comments

FCM checked the recorded data against the official Results of Analysis for RMAL19090 on 4/04/2019.

Fied C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1094, 1050, 1106, 1079, 1041
DRF filename:	14154C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	1					
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19012401	B19012801		W19012803	
-	Total volume of leach solution (ml):	61.3	63.3	and the second second	20.0	
Children and			Station of the second	and the second		
	RMAL analysis number:	19090-003	19090-007	The state of the s	19090-011	
-	Measured uranium concentration (µg/ml):	5.13E-01	1.98E-01		8.73E-03	
	Uncertainty in uranium concentration (µg/ml):	5.13E-02	1.98E-02		8.73E-04	
-	Weight uranium leached (g):	3.14E-05	1.25E-05	4.40E-05	1.75E-07	N
_	Uncertainty in weight uranium leached (g):	3.16E-06	1.26E-06	3.40E-06	1.84E-08	
_	Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels:	7.98E-02	3.18E-02	1.12E-01	4.43E-04	
Contraction of the	Uncertainty in equivalent number of leached kernels:	8.07E-03	3.21E-03	8.71E-03	4.68E-05	
100 300	Managed as a starting of the south is sound a (as (w)).					
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second
Fe	Uncorrected weight of impurity in sample (µg):			Construction of the other		
Fe	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					
1.8.13	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			Ur		
Cr	Weight of impurity in blank (µg):			And the second second		AND THE REAL PROPERTY
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			PIII		
Mn	Weight of impurity in blank (µg):			Contraction of the local division of the		A CONTRACTOR OF THE PARTY
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со	1	
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second the second		
	Minimum corrected weight of impurity in sample (µg):					
1 1 E	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					and the second second second
Ni	Weight of impurity in blank (µg):			K STORES IN		A CONTRACT OF A CONTRACT OF A CONTRACT
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			And the second second		
	Measured concentration of impurity in sample (µg/ml):			Са		
	Uncorrected weight of impurity in sample (µg):		Same Starter	A SALE SALES		
Ca	Weight of impurity in blank (µg):	122 2 2 2 2 2 2 2 2		Bart Street Street Street		the second second
	Minimum corrected weight of impurity in sample (µg):	- 122 132 2				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		and the second and the
	Uncorrected weight of impurity in sample (µg):			TRACE SHE		
AI	Weight of impurity in blank (µg):			The States		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	A STREET		Ti		
	Uncorrected weight of impurity in sample (µg):		President and the second			
Ti	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					and the second of the second second
· · · · · · ·	Maximum corrected weight of impurity in sample (µg):					a second the second as a second
	Measured concentration of impurity in sample (µg/ml):			V		and the second states and
	Uncorrected weight of impurity in sample (µg):		1			
v	Weight of impurity in blank (µg):	Salar Carlos Salar		The second second		the mathematical and the state of the
	Minimum corrected weight of impurity in sample (µg):	and a second second				
	Maximum corrected weight of impurity in sample (µg):			A CONTRACTOR OF THE OWNER		and the second states of the states

FCM checked the recorded data against the official Results of Analysis for RMAL19090 on 4/04/2019.

Comments

Fud c. Montgomery

Operato



	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1031, 1080, 1076, 1092, 1051
DRF filename:	14154C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	ľ	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19012402	B19012802	and a second and a second	W19012804	the second s
	Total volume of leach solution (ml):	61.0	64.0	and a strange of the	20.0	
		0110	0110	A STATE OF THE STATE	20.0	
	RMAL analysis number:	19090-004	19090-008		19090-012	
	Measured uranium concentration (µg/ml):	1.34E+01	2.41E-01	and the second second	4.16E-03	
	Uncertainty in uranium concentration (µg/ml):	1.34E+00	2.41E-02	and the second se	4.16E-04	
	Weight uranium leached (g):	8.17E-04	1.54E-05	8.33E-04	8.32E-08	N
	Uncertainty in weight uranium leached (g):	8.22E-05	1.55E-06	8.22E-05	8.75E-09	
	Equivalent number of leached kernels:	2.07E+00	3.91E-02	2.11E+00	2.11E-04	
	Uncertainty in equivalent number of leached kernels:	2.10E-01	3.95E-03	2.10E-01	2.23E-05	
Sec. 1		No. of the Party o	The second second	STATISTICS AND	A COLORADO	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):	and the second second		Carlos - Carlos		and the second sec
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr	and the second second	
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):	20 A. 19 1 1 1				A CONTRACT OF A CONTRACT
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			Same and the second states		
	Measured concentration of impurity in sample (µg/ml):			Mn		
1.00	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):					and the second of the second of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):	and the second second		and and a share	1	and the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1.1.1.1	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):				1.000	
Ni	Weight of impurity in blank (µg):			The second s		the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the shares		
	Minimum corrected weight of impurity in sample (µg):	and state of the state				
	Maximum corrected weight of impurity in sample (µg):					
1.5	Measured concentration of impurity in sample (µg/ml):			AI		with a faith the state of the
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second s
-	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			the property of the second		
	Minimum corrected weight of impurity in sample (µg):			and the second		- A A A A A A A A A A A A A A A A A A A
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	A CONTRACTOR OF	Alter States	v		and the second second second
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the state of the state		and the second s
	Minimum corrected weight of impurity in sample (µg):					and the state of the second second
	Maximum corrected weight of impurity in sample (µg):	A PARTY AND A PARTY AND				and the second second second

FCM checked the recorded data against the official Results of Analysis for RMAL19090 on 4/04/2019.

Fred c. Montgomery Operator



Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1167, 1137, 1162, 1129, 1136
DRF filename:	14155C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19012501	L19013001		W19013101	
	Total volume of leach solution (ml):	150.0	184.0	E CARLES AND	40.0	
The second			10110	And a state of the	1010	
	RMAL analysis number:	19091-001	19091-003		19091-005	
	Measured uranium concentration (µg/ml):	1.11E+01	5.00E-01	CALLY TAKE	7.25E-02	
	Uncertainty in uranium concentration (µg/ml):	1.11E+00	5.00E-02		7.25E-03	
1000	Weight uranium leached (g):	1.67E-03	9.20E-05	1.76E-03	2.90E-06	N
	Uncertainty in weight uranium leached (g):	1.67E-04	9.21E-06	1.67E-04	2.94E-07	and and the state of the second
	Equivalent number of leached kernels:	4.23E+00	2.34E-01	4.46E+00	7.36E-03	
	Uncertainty in equivalent number of leached kernels:	4.25E-01	2.35E-02	4.26E-01	7.49E-04	
		and the second	Strand Margare	and the second second	1 1 1 - 20 - 31	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			A CONTRACTOR		and it was been and the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				1.24 4.4	
	Measured concentration of impurity in sample (µg/ml):			Cr		and the second second second
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			at Landstone at		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		- see the second second second
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			and the state of t		
	Minimum corrected weight of impurity in sample (µg):			and the second sec		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
Co	Uncorrected weight of impurity in sample (µg):			And the second second		
0	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			a construction of the		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			INI		
Ni	Weight of impurity in blank (µg):			and the second second		The second second second second
	Minimum corrected weight of impurity in sample (µg):					
1.2	Maximum corrected weight of impurity in sample (µg):					
10.00	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (ug):	Contraction in the				
Ca	Weight of impurity in blank (µg):	19- 10 (1 - 4)		Second and the second second		and the second
1.1	Minimum corrected weight of impurity in sample (µg):				201 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	Maximum corrected weight of impurity in sample (µg):			17 - 19 2 5 15		
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):	and the second		the second second		E Sand The State of State of State
	Minimum corrected weight of impurity in sample (µg):		20-34			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti	A CONTRACT OF	and the second design of the second
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			State of the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			v		and the second sec
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second		the second second second second
-	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

Comments

Leached in Vessel RB#2 (previously used for 11035 overcoated particles-Group 1 Clutch 1). FCM checked the recorded data against the official Results of Analysis for RMAL19091 on 3/21/2019. Poured 1st acid rinse from centrifuge tube 2A (L19013002) into the Rig #1 graduated cylinder (L19013001) instead of into the Rig #2 graduated cylinder. This does not impact data because L19013002 concentration was order of magitude lower than L19013001.

Fiel C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1124, 1151, 1211, 1166, 1170
DRF filename:	14155C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19012502	L19013002	Total	W19013102	
-	Total volume of leach solution (ml):	151.0	167.0		40.0	
STORESS OF	Total Volume of Teach Solution (III).	151.0	107.0	and the second second	40.0	
	RMAL analysis number:	19091-002	19091-004		19091-006	
	Measured uranium concentration (µg/ml):	5.26E-01	6.25E-02	State State	1.05E-02	
	Uncertainty in uranium concentration (µg/ml):	5.26E-02	6.25E-02	A LANGER THE	1.05E-02	
	Weight uranium leached (g):	7.94E-05	1.04E-05	8.99E-05	4.20E-07	N
-	Uncertainty in weight uranium leached (g):	7.95E-06	1.04E-06	8.02E-06	4.26E-08	The Party of the state of the
	Equivalent number of leached kernels:	2.02E-01	2.65E-02	2.28E-01	1.07E-03	
	Uncertainty in equivalent number of leached kernels:	2.03E-02	2.66E-03	2.05E-02	1.09E-04	
		LIUSE OL	LIUGE US	LIGGE OF	1.052 01	
_	Measured concentration of impurity in sample (µg/ml):		and the second s	Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			A REAL PROPERTY OF		and the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		A STATE OF TAXES	Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):	and the second se	CONTRACT MICHAEL			
	Minimum corrected weight of impurity in sample (µg):	and the second second				
	Maximum corrected weight of impurity in sample (µg):	The second s				
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):					and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	The second second			Sector Sector	
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):	1000		The state of the s		and the second second second
	Minimum corrected weight of impurity in sample (µg):				in the second second	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			and the second second		and the second states and a second state
	Minimum corrected weight of impurity in sample (µg):		S. S. Charles Town			
	Maximum corrected weight of impurity in sample (µg):		Sector Sector			
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):		Salar and the second			
Ca	Weight of impurity in blank (µg):			A REAL PROPERTY AND		the set of the second and the set of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			The state of the s		
	Minimum corrected weight of impurity in sample (µg):					a state of the sta
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second second second
	Uncorrected weight of impurity in sample (µg):		A STREET			
Ti	Weight of impurity in blank (µg):			THE STREET		and the second s
	Minimum corrected weight of impurity in sample (µg):					and the second second second second
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):			a la serie de la		
v	Weight of impurity in blank (µg):			a starting		A STATISTICS
	Minimum corrected weight of impurity in sample (µg):					the second second second second second
	Maximum corrected weight of impurity in sample (µg):					the second s

Comments

Leached in Vessel RB#3 (previously used for 11035 overcoated particles-Group 1 Clutch 2). FCM checked the recorded data against the official Results of Analysis for RMAL19091 on 3/21/2019. Poured 1st acid rinse from centrifuge tube 2A (L19013002) into the Rig #1 graduated cylinder (L19013001) instead of into the Rig #2 graduated cylinder. This does not impact data because rinse represents small fractor of L19013002 uranium.

Fied C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1194, 1195, 1156, 1169, 1205
DRF filename:	14155C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19020101	L19020401		W19020403	the same same and a second state
	Total volume of leach solution (ml):	154.0	139.0	The second second	37.5	
100		20110	10010	and a state of the second	5/15	
	RMAL analysis number:	19121-001	19121-003	and the second sec	19121-005	
	Measured uranium concentration (µg/ml):	1.06E-01	1.43E-02	The second s	2.92E-03	
	Uncertainty in uranium concentration (µg/ml):	1.06E-02	1.43E-03	the state of the second	2.92E-04	
	Weight uranium leached (g):	1.63E-05	1.98E-06	1.83E-05	1.09E-07	N
	Uncertainty in weight uranium leached (g):	1.63E-06	1.99E-07	1.64E-06	1.11E-08	and the second second second second
	Equivalent number of leached kernels:	4.14E-02	5.03E-03	4.64E-02	2.78E-04	
	Uncertainty in equivalent number of leached kernels:	4.16E-03	5.06E-04	4.20E-03	2.83E-05	
FOR R		a state of the second		1 De Transmitter	and the second	
1.0	Measured concentration of impurity in sample (µg/ml):			Fe		The second second second second
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and the second states		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		She and a set of the set			
	Measured concentration of impurity in sample (µg/ml):			Cr	a sure of the second	A DEAL THE PROPERTY
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			A COMPANY AND A		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
Mn	Uncorrected weight of impurity in sample (µg):			and the second second second		Contract of the second s
MI	Weight of impurity in blank (µg):			and the state of the		
	Minimum corrected weight of impurity in sample (µg):		The second s			
-	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			0.		
	Uncorrected weight of impurity in sample (µg):			Co		
Co	Weight of impurity in blank (µg):			Contraction of the second		the second s
	Minimum corrected weight of impurity in sample (µg):			and the second se		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):					in the set it that a grant the
	Minimum corrected weight of impurity in sample (µg):		CALL STREET			
÷	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Са		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			a state of the second		STREET STREET
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		and the second second second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			No and the factor of the		
	Minimum corrected weight of impurity in sample (µg):			and the second s		
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		and the second second	Ti		
ті	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			No. of Concession, Name		
	Minimum corrected weight of impurity in sample (µg):			State of the second		the second s
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		Service Service Services	v		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):	100000000000000				
	Maximum corrected weight of impurity in sample (µg):	NAME OF CASE				
	serverse in sight of insparity in sumple (pg).				100	

Comments

Leached in Vessel RB#11 (previously used for 11035 overcoated particles-Group 1 Clutch 3). FCM checked the recorded data against the official Results of Analysis for RMAL19091 on 3/21/2019.

Fiel c. Meritgo mery

4-18-2019

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1126, 1140, 1184, 1203, 1191
DRF filename:	14155C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

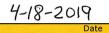
Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:			TULAI		
		L19020102	L19020402	and the second second second	W19020404	
CONCERNING IN	Total volume of leach solution (ml):	151.0	137.0	and the second start of	37.5	
10000	RMAL analysis number:	10121 002	10121 004	A STREET STREET	10121 000	
	Measured uranium concentration (µg/ml):	19121-002	19121-004	and a start	19121-006	
	Uncertainty in uranium concentration (µg/ml):	5.15E+00 5.15E-01	2.91E-01 2.91E-02		3.78E-02 3.78E-03	
_	Weight uranium leached (q):			0.105.04		12 The second state of the second state
	Uncertainty in weight uranium leached (g):	7.78E-04 7.79E-05	3.99E-05	8.18E-04	1.42E-06	N
-	Equivalent number of leached kernels:		3.99E-06	7.80E-05	1.44E-07	
	Uncertainty in equivalent number of leached kernels:	1.97E+00	1.01E-01	2.08E+00	3.60E-03	
and the second	Oncertainty in equivalent number of leached kernels.	1.99E-01	1.02E-02	1.99E-01	3.67E-04	
and the second second	Measured concentration of impurity in sample (µg/ml):				The second states and	
				Fe		
Fe	Uncorrected weight of impurity in sample (µg):			And the second second second second		
Fe	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			No. of Concession, Name		
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second second		Cr		
	Uncorrected weight of impurity in sample (µg);			Ur		and the state of the second state of the
Cr	Weight of impurity in blank (µg):			Contraction of the local division of the loc		the second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			PIII		
Mn	Weight of impurity in blank (µg):			Contraction of the local division of the loc		And the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		
121.5	Uncorrected weight of impurity in sample (µg/iii):			0		
Co	Weight of impurity in blank (µg):			and the same time to be starting of		The state of the s
0	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				1	
-	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			111		
Ni	Weight of impurity in blank (µg):	and the second		and the second second second		and the second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):			- Cu		
Ca	Weight of impurity in blank (µg):			And the second sec		and the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):			the state of the state of the		
AI	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):			STORES TO SHOW		
Ti	Weight of impurity in blank (µg):			and the second		
112	Minimum corrected weight of impurity in sample (µg):			Contraction of the	Contraction of the	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):		The second second	and the state of the		
v	Weight of impurity in blank (µg):			a state of the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

#### Comments

Leached in Vessel FB#2 (previously used for 11035 overcoated particles-Group 1 Clutch 2). FCM checked the recorded data against the official Results of Analysis for RMAL19091 on 3/21/2019.

Fied C. Montgomery



Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1167, 1137, 1162, 1129, 1136
DRF filename:	14155C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B19020601	B19020801		W19020803	
	Total volume of leach solution (ml):	55.5	59.8	he water and the	20.0	
and the second		A CERTIFICATION OF	and the second			
	RMAL analysis number:	19109-001	19109-003	T. C. LER ST.	19109-005	
	Measured uranium concentration (µg/ml):	8.02E+00	2.16E-02	PAT MARTINE.	4.81E-03	
	Uncertainty in uranium concentration (µg/ml):	8.02E-01	2.16E-03		4.81E-04	
	Weight uranium leached (g):	4.45E-04	1.29E-06	4.46E-04	9.62E-08	N
	Uncertainty in weight uranium leached (g):	4.48E-05	1.30E-07	4.48E-05	1.01E-08	
	Equivalent number of leached kernels:	1.13E+00	3.28E-03	1.13E+00	2.44E-04	
	Uncertainty in equivalent number of leached kernels:	1.14E-01	3.31E-04	1.14E-01	2.58E-05	
		Eliza de la companya	a the state of the	and the state of the		
	Measured concentration of impurity in sample (µg/ml):			Fe		The second s
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			1 to the state		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		and the second second by the second
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			State of the State		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		The second s
	Uncorrected weight of impurity in sample (µg):	the second second	and the second second	and the second second		
Mn	Weight of impurity in blank (µg):			and the second se		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				
	Measured concentration of impurity in sample (µg/ml):			Co		and and the second the
Co	Uncorrected weight of impurity in sample (µg):			Contraction of the local division of the loc		AND THE PARTY OF THE REAL PROPERTY OF
0	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			INI		
Ni	Weight of impurity in blank (µg):			and the second second		the second second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):			Ca		
Ca	Weight of impurity in blank (µg):			Contraction of the local division of the loc		A REAL PROPERTY AND A REAL PROPERTY
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		21-22			
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):	100 C 100 C 100 C 100 C				
AI	Weight of impurity in blank (µg):	1982 COL 725-51		CONTRACTOR OF THE		A STATE OF A STATE
	Minimum corrected weight of impurity in sample (µg):	Sector Party Party				
	Maximum corrected weight of impurity in sample (ug):					and the second
	Measured concentration of impurity in sample (µg/ml):	A CONTRACTOR OF	The second second	Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			and the second		and the second se
	Minimum corrected weight of impurity in sample (µg):		No. of the second se			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			v		The second second second
	Uncorrected weight of impurity in sample (µg):					
V	Weight of impurity in blank (µg):		A STATE OF A	Call States		and the second second and the second
	Minimum corrected weight of impurity in sample (µg):					State and a state based in
	Maximum corrected weight of impurity in sample (µg):					and the second second second second second

Comments

FCM checked the recorded data against the official Results of Analysis for RMAL19109 on 4/12/2019.

Fied C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1124, 1151, 1211, 1166, 1170
DRF filename:	14155C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

Include if > 10% of 2nd leach

N

		First Leach	Second Leach	Total	Water rinse
-	Post-burn leach solution ID:	B19020602	B19020802	The second s	W19020804
	Total volume of leach solution (ml):	57.5	59.8	the second second	20.0
it day	where the second s	A State State	Constant State		the start and
	RMAL analysis number:	19109-002	19109-004	Contraction of the second	19109-006
	Measured uranium concentration (µg/ml):	7.84E+00	2.82E-02	and for the state of	8.27E-03
	Uncertainty in uranium concentration (µg/ml):	7.84E-01	2.82E-03	almost a straight of	8.27E-04
	Weight uranium leached (g):	4.51E-04	1.69E-06	4.52E-04	1.65E-07
	Uncertainty in weight uranium leached (g):	4.54E-05	1.70E-07	4.54E-05	1.74E-08
	Equivalent number of leached kernels:	1.14E+00	4.28E-03	1.15E+00	4.20E-04
	Uncertainty in equivalent number of leached kernels:	1.16E-01	4.33E-04	1.16E-01	4.43E-05
5.10		had a start of the	1 The March 19		The second second
	Measured concentration of impurity in sample (µg/ml):			Fe	
-	Uncorrected weight of impurity in sample (µg):				
Fe	Weight of impurity in blank (µg):			MARKEN AND AND AND AND AND AND AND AND AND AN	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Cr	
6	Uncorrected weight of impurity in sample (µg):				
Cr	Weight of impurity in blank (µg):			The second s	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Mn	
Mn	Uncorrected weight of impurity in sample (µg):				
Mn	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			and a state of the	
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Со	
	Uncorrected weight of impurity in sample (µg):			CO	
Co	Weight of impurity in blank (µg):			NAME OF TAXABLE PARTY.	
~	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Ni	
ł	Uncorrected weight of impurity in sample (µg):			INI	
Ni	Weight of impurity in blank (µg):			the subscription of the set	
·•• +	Minimum corrected weight of impurity in sample (µg):				
- H	Maximum corrected weight of impurity in sample (µg):				
-	Measured concentration of impurity in sample (µg/ml):			Ca	
- H	Uncorrected weight of impurity in sample (µg):			- Cu	
Ca	Weight of impurity in blank (µg):			and and the second	
	Minimum corrected weight of impurity in sample (µg):				
t i	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			AI	
	Uncorrected weight of impurity in sample (µg):				
AI	Weight of impurity in blank (µg):			Lange Trans	
F	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):	2	Service and the	Ti	
	Uncorrected weight of impurity in sample (µg):				
Ti 📘	Weight of impurity in blank (µg):				
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):		Deres and the second	V	
	Uncorrected weight of impurity in sample (µg):				
v	Weight of impurity in blank (µg):	Kare Subset			
	Minimum corrected weight of impurity in sample (µg):		And Presents	Carrier Cont	
	Maximum corrected weight of impurity in sample (µg):				

Comments

FCM checked the recorded data against the official Results of Analysis for RMAL19109 on 4/12/2019.

Fred c. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1194, 1195, 1156, 1169, 1205
DRF filename:	14155C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:			TOLAI		Include II > 10% of 2nd leach
	Total volume of leach solution (ml):	B19021201	B19021501	The second second	W19021503	
Constanting of the		55.0	58.8	A CONTRACTOR OF THE OWNER	20.0	
Conception Co	RMAL analysis number:	19133-001	19133-003	Photo Martin	19133-005	
	Measured uranium concentration (µg/ml):	2.04E+01	2.81E-02	C. S. State State	3.81E-03	
	Uncertainty in uranium concentration (µg/ml):	2.04E+01	2.81E-02		3.81E-04	
	Weight uranium leached (q):	1.12E-03	1.65E-06	1.12E-03	7.62E-08	N
	Uncertainty in weight uranium leached (g):	1.13E-04	1.66E-07	1.13E-04	8.01E-09	
	Equivalent number of leached kernels:	2.85E+00	4.19E-03	2.85E+00	1.93E-04	
	Uncertainty in equivalent number of leached kernels:	2.88E-01	4.24E-04	2.88E-01	2.04E-05	
1000		LICOL CL	ILL OI	LIGGE OI	LIGIE 00	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):					and the state of the state of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			Contraction and the		
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):	Le seguera de la		State of the state of the		CARLES CONTRACTOR
Cr	Weight of impurity in blank (µg):	Con-Services	A DECEMBER OF	The second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):				S. 18 18 18 18	
Mn	Weight of impurity in blank (µg):			Parties Stranger Bar		all and a second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		and the second second second second
	Uncorrected weight of impurity in sample (µg):			Contraction of the second		
Co	Weight of impurity in blank (µg):			and the sub-		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			The second second		
	Minimum corrected weight of impurity in sample (µg):	100 March 100 Ma				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
-	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the second second		
12.00	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			A1		
	Measured concentration of impurity in sample (µg/ml):			AI		and the second states of the
AI	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			COLUMN THE OWNER		
AI	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					The second states of the second states and
Ti	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					and the second se
	Maximum corrected weight of impurity in sample (µg):			1		and the second
	Measured concentration of impurity in sample (µg/ml):			v		the second second second second second
	Uncorrected weight of impurity in sample (µg):					and the second sec
v	Weight of impurity in blank (µg):			Contraction of the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

Comments

Recorded data checked by FCM against the official Results of Analyses Report for RMAL19133 on 3/21/2019.

Fred C. Montgomery



Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1126, 1140, 1184, 1203, 1191
DRF filename:	14155C_PF40-Group 1_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	Post-burn leach solution ID: Total volume of leach solution (ml): RMAL analysis number: Measured uranium concentration (μg/ml): Uncertainty in uranium concentration (μg/ml):	First Leach B19021202 56.7 19133-002	Second Leach B19021502 57.5	Total	Water rinse W19021504 20.0	Include if > 10% of 2nd leach
	Total volume of leach solution (ml): RMAL analysis number: Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	56.7				
	RMAL analysis number: Measured uranium concentration (μg/ml): Uncertainty in uranium concentration (μg/ml):		57.5	and the second second second	20.0	
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	19133-002		the second state of the se	And in case of the local division of the loc	
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	19133-002	10122 001		10100.000	
	Uncertainty in uranium concentration (µg/ml):		19133-004		19133-006 4.47E-03	
		2.66E-01 2.66E-02	1.68E-03 1.68E-04		4.47E-03	
	Weight uranium leached (g):	1.51E-05	9.66E-08	1.52E-05	8.94E-08	N
	Uncertainty in weight uranium leached (g):	1.52E-06	9.72E-09	1.52E-05	9.40E-09	N
	Equivalent number of leached kernels:	3.83E-02	2.45E-04	3.85E-02	2.27E-04	
in the second second	Uncertainty in equivalent number of leached kernels:	3.87E-02	2.48E-05	3.87E-02	2.40E-05	
	Uncertainty in equivalent number of reactica kernels.	5.072-05	2.401-03	5.072-05	2.402-03	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					and the second se
Fe	Weight of impurity in blank (µg):					and the second
· · ·	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			Second States of the second		
	Measured concentration of impurity in sample (µq/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):		1.000	Carlo The The second		A STREET AND A STREET AND A STREET
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			Concern Learn Life		
	Measured concentration of impurity in sample (µg/ml):		and the second	Mn	The second second	
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):					State I was the state of the second state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Co		
	Uncorrected weight of impurity in sample (µg):			A LA		
Co	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					and the second se
Ni	Weight of impurity in blank (µg):					and the second states of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	- ATTLE FACTOR		Ca		Stand Stand Street House
	Uncorrected weight of impurity in sample (µg):			88-9-9-5.K	1220.22	
Ca	Weight of impurity in blank (µg):			and the second	and have a second	
1.11	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		and the second second			
	Measured concentration of impurity in sample (µg/ml):	Contraction of the local		AI		and the second second second second
	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg):			and the second		
L	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		1312-532 (June 1)			and the second
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second state of the second state
	Uncorrected weight of impurity in sample (µg):					
TI	Weight of impurity in blank (µg):			A the star - Provide and		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			N		
	Measured concentration of impurity in sample (µg/ml):			V		and the state of the state of the state of the state of the
–	Uncorrected weight of impurity in sample (µg):			and the second se		A CHARLES PROVIDE
v	Weight of impurity in blank (µg):			THE REAL PROPERTY OF		A sub-
	Minimum corrected weight of impurity in sample (µg):					and the second
	Maximum corrected weight of impurity in sample (µg):					and and the second second

Recorded data checked by FCM against the official Results of Analyses Report for RMAL19133 on 3/21/2019.

Fred C. Montgomery 4-18-2019 Operator Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1213, 1179, 1128, 1112, 1123
DRF filename:	14155C_PF40-Group 2_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if >
	Pre-burn leach solution ID:	L19030401	L19030601	In the second	W19030603	
	Total volume of leach solution (ml):	161.0	142.0		40.0	
1		a vale state	allow the set of a lot		March Charles	
	RMAL analysis number:	19191-001	19191-003		19191-005	
	Measured uranium concentration (µg/ml):	4.67E+00	2.31E-01		2.46E-02	
	Uncertainty in uranium concentration (µg/ml):	4.67E-01	2.31E-02		2.46E-03	
	Weight uranium leached (g):	7.52E-04	3.28E-05	7.85E-04	9.84E-07	and the second second second
	Uncertainty in weight uranium leached (g):	7.52E-05	3.28E-06	7.53E-05	9.97E-08	and states in the
	Equivalent number of leached kernels:	1.91E+00	8.33E-02	1.99E+00	2.50E-03	
	Uncertainty in equivalent number of leached kernels:	1.92E-01	8.38E-03	1.92E-01	2.54E-04	
Ser. 1					and the second	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):			States of the second		
Fe	Weight of impurity in blank (µg):			a la serie a series a		the Card
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	Share the second				
	Measured concentration of impurity in sample (µg/ml):	States and the second second		Cr	Contraction of the last	
	Uncorrected weight of impurity in sample (µg):					State States
Cr	Weight of impurity in blank (µg):			and the state of the state		La la contrata
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	A CONTRACTOR OF STREET		Mn		
	Uncorrected weight of impurity in sample (µg):					And a second second
Mn	Weight of impurity in blank (µg):			and the second s		and the second second
	Minimum corrected weight of impurity in sample (µg):			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second sec		Co		
	Uncorrected weight of impurity in sample (µq):					
Co	Weight of impurity in blank (µg):	and the second second	No. of the second second	CONTRACTOR OF THE		and the second
	Minimum corrected weight of impurity in sample (µg):		State of the second			
	Maximum corrected weight of impurity in sample (µg):		and the second second	and same term		
(P. 1	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):	a constants				and the second se
Ni	Weight of impurity in blank (µg):			10 20 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Contraction of the local distriction of the local distriction of the local distriction of the local distribution of the lo
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second second		Ca		
	Uncorrected weight of impurity in sample (µg):					and the second se
Ca	Weight of impurity in blank (µg):			Sandard Barrow		Stand Ballin
	Minimum corrected weight of impurity in sample (µg):					
10.0	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):		and the second of the			and the state of the
AL	Weight of impurity in blank (µg):			State of the Local Division of the local div		and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			the start of the		The second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			V		
ł	Uncorrected weight of impurity in sample (µg):			v		and the second diversion of th
v	Weight of impurity in blank (µg):			Contraction of Second		and the second
* H	Minimum corrected weight of impurity in sample (µg):			and the second		
H	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	maximum corrected weight of impunity in sample (µg):					a here and the second

> 10% of 2nd leach

Ν

Leached in Vessel #41 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL19191 on 4/12/2019.

Fred C. Montgomery Operator



	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1145, 1186, 1113, 1214, 1119
DRF filename:	14155C_PF40-Group 2_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19030402	L19030602		W19030604	State of the second
	Total volume of leach solution (ml):	149.0	138.0	A CONTRACTOR OF THE	37.5	
-						
	RMAL analysis number:	19191-002	19191-004		19191-006	
1	Measured uranium concentration (µg/ml):		1.12E-02	The second second	2.94E-03	
	Uncertainty in uranium concentration (µg/ml):		1.12E-03	and the same firmer	2.94E-04	
	Weight uranium leached (g):	1.03E-02 1.53E-05	1.55E-06	1.69E-05	1.10E-07	N
	Uncertainty in weight uranium leached (g):	1.54E-06	1.55E-07	1.54E-06	1.12E-08	and all an all prover the
	Equivalent number of leached kernels:	3.90E-02	3.92E-03	4.29E-02	2.80E-04	
	Uncertainty in equivalent number of leached kernels:	3.92E-03	3.95E-04	3.94E-03	2.85E-05	
and the second		and the second second	Sector Property in the sector		and a state of the	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):					a second and the second second second
	Minimum corrected weight of impurity in sample (µg):			Start Art		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1 mar 24	Measured concentration of impurity in sample (µg/ml):			Mn		the second and the
	Uncorrected weight of impurity in sample (µg):					A STATE OF THE STA
Mn	Weight of impurity in blank (µg):			12 Martin Carry		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		a service and the service and the
0.	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			NI.		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Ni		the second s
Ni	Weight of impurity in blank (µg):			Contraction of the local division of		the second s
	Minimum corrected weight of impurity in sample (µg):			and the second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Са		
	Uncorrected weight of impurity in sample (µg):			Ca		
Ca	Weight of impurity in blank (µg):			Concession of the local division of the		A THE REAL PRINTING THE REAL PRINTING
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):			Research States		
AI	Weight of impurity in blank (µg):			and the second	A Lord Lord B	
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	Contraction of the local division of the loc	Service and services			
	Measured concentration of impurity in sample (µg/ml):		A DESCRIPTION OF THE OWNER OF THE	Ti	100 C 100 C	and the second s
	Uncorrected weight of impurity in sample (µg):					
Ti [	Weight of impurity in blank (µg):			and the state		All and the second second the
	Minimum corrected weight of impurity in sample (µg):			A PLANT LAND		the second s
	Maximum corrected weight of impurity in sample (µg):					and the state of the state of the state
	Measured concentration of impurity in sample (µg/ml):		Start Start Start	V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg):					And and the second stand
	Maximum corrected weight of impurity in sample (µg):		A second second			ST THE PARTY AND A PARTY OF

Leached in Vessel #42 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL19191 on 4/12/2019.

Fied C. Montgomery Operator



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1148, 1159, 1127, 1190, 1189
DRF filename:	14155C_PF40-Group 2_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd
	Pre-burn leach solution ID:	L19031101	L19031301	and the second second second	W19031303	And the second
	Total volume of leach solution (ml):	149.0	138.0	State To Mart	40.0	
and the second	The first of the second s			and the second	Statistics of the	
	RMAL analysis number:	19205-001	19205-003	and the second second second	19205-005	
	Measured uranium concentration (µg/ml):	5.24E+00	3.85E-01		5.15E-02	
	Uncertainty in uranium concentration (µg/ml):	5.24E-01	3.85E-02	and the second second	5.15E-03	
1	Weight uranium leached (g):	7.81E-04	5.31E-05	8.34E-04	2.06E-06	N
	Uncertainty in weight uranium leached (g):	7.82E-05	5.32E-06	7.83E-05	2.09E-07	A STATE OF A
	Equivalent number of leached kernels:	1.98E+00	1.35E-01	2.12E+00	5.23E-03	
	Uncertainty in equivalent number of leached kernels:	1.99E-01	1.36E-02	2.00E-01	5.32E-04	
Contraction of	the second with the second second second second	ALL ALL AND	have been all the state	and the state of the	the state of the	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):		and the second second second			
Fe	Weight of impurity in blank (µg):					the state of the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr	1000	
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):				M-1 - 1 - 1 - 1 - 1	
	Maximum corrected weight of impurity in sample (µg):			2		
	Measured concentration of impurity in sample (µg/ml):			Mn		and the second second
	Uncorrected weight of impurity in sample (µg):			M TABLES AND		
Mn	Weight of impurity in blank (µg):			the state of all of the second		
	Minimum corrected weight of impurity in sample (µg):			E LESS FRANKER		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	200000000000000000000000000000000000000		Co		the second s
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			The given and a set		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		a superior of the second second
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			and the second second second		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		「「「「「「「「」」」」
Ca	Uncorrected weight of impurity in sample (µg):			and the second second second		a survey as a survey of the su
Ca	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			Al		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			AI		the state of the second
AL	Weight of impurity in blank (µg):			COLUMN TWO IS NOT		
AI	Minimum corrected weight of impurity in sample (µg):			a constant of the second		
	Maximum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg/ml): Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
ті	Weight of impurity in blank (µg):			and the second second		the second second
	Minimum corrected weight of impurity in sample (µg):			and the supplication of		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		State of the state	V		
	Uncorrected weight of impurity in sample (µg):			v		and a state of the
v	Weight of impurity in blank (µg):			A ALASSA AND AND A		A CONTRACTOR OF THE OWNER
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	realized for the second for the seco					

leach

Leached in Vessel #43 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL19205 on 4/12/2019.

Fiel C. Montgomery Operator



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1202, 1121, 1208, 1207, 1183
DRF filename:	14155C_PF40-Group 2_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Pre-burn leach solution ID:	L19031102	L19031302	Public Constants	W19031304	the second s
	Total volume of leach solution (ml):	141.0	126.0		40.0	
The second		111.0	120.0	Section Section 2.	40.0	
	RMAL analysis number:	19205-002	19205-004		19205-006	
	Measured uranium concentration (µg/ml):	2.79E+00	1.82E-01		2.56E-02	
1.1	Uncertainty in uranium concentration (µg/ml):	2.79E-01	1.82E-02	State of the state of the	2.56E-03	
	Weight uranium leached (g):	3.93E-04	2.29E-05	4.16E-04	1.02E-06	N
	Uncertainty in weight uranium leached (g):	3.94E-05	2.30E-06	3.94E-05	1.04E-07	
	Equivalent number of leached kernels:	9.98E-01	5.82E-02	1.06E+00	2.60E-03	
	Uncertainty in equivalent number of leached kernels:	1.00E-01	5.86E-03	1.01E-01	2.65E-04	
1-75	Contraction of the second s	ALL REAL PROPERTY.		and the second second	Contraction of the	
	Measured concentration of impurity in sample (µg/ml):	Carlos and the second	THE REAL PROPERTY	Fe		
	Uncorrected weight of impurity in sample (µg):	Contraction of the second second				and the second second second second
Fe	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):	Service and the service of the servi				
	Maximum corrected weight of impurity in sample (µg):					
1411	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			the manufactor and the		
1.1	Minimum corrected weight of impurity in sample (µg):				Control House	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn	and the second sec	and the second second second
	Uncorrected weight of impurity in sample (µg):			N-taken and the		
Mn	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):				125.5	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		and the second states of the second
	Uncorrected weight of impurity in sample (µg):		The state of the s			
Co	Weight of impurity in blank (µg):			aller Martin		
J 31	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		a same porte distance
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			The second second second	A COLORINA DE LA COLORIZA DE LA COLORIZ	
1.1	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second se		Ca		and the second second second second
Ca	Uncorrected weight of impurity in sample (µg):		and the second se	the second second second		
Ca	Weight of impurity in blank (µg):			and the second pro-		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):			A1		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):	and the second s		AI		and a state of the second s
AI				and the second se		
AI	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg/ml):					
Ti	Weight of impurity in blank (µg):			and the second		the second second second second
	Minimum corrected weight of impurity in sample (µg):			and all all and a second		and the second second second
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

# Comments

Leached in Vessel #44 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL19205 on 4/12/2019.

Fied C. Morrigo mely

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1213, 1179, 1128, 1112, 1123
DRF filename:	14155C_PF40-Group 2_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Water rinse	Include if > 10%
	Post-burn leach solution ID:	B19031801	B19031901		W19031903	
1	Total volume of leach solution (ml):	56.8	58.0	The states	20.0	
2.09		State of the second	ANY IN TRACE	a the shall be	Contraction of the second	
	RMAL analysis number:	19214-001	19214-003	and the second	19214-005	
	Measured uranium concentration (µg/ml):	7.61E+00	3.08E-02	and the second second	7.95E-04	
	Uncertainty in uranium concentration (µg/ml):	7.61E-01	3.08E-03	No the state	7.95E-05	A TANK MARCINE
1.1	Weight uranium leached (g):	4.32E-04	1.79E-06	4.34E-04	1.59E-08	N
	Uncertainty in weight uranium leached (g):	4.35E-05	1.80E-07	4.35E-05	1.67E-09	
	Equivalent number of leached kernels:	1.10E+00	4.53E-03	1.10E+00	4.04E-05	
_	Uncertainty in equivalent number of leached kernels:	1.11E-01	4.58E-04	1.11E-01	4.26E-06	
1000			A second the second	Contraction of the second		
	Measured concentration of impurity in sample (µg/ml):			Fe		the second s
Fe	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			Contraction of the local division of the loc		
re	Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			CI		
Cr	Weight of impurity in blank (µg):			The second s		and the second s
	Minimum corrected weight of impurity in sample (µg):			The state of the second		
	Maximum corrected weight of impurity in sample (µg):		Contraction of the local distance			
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):					the strength of the strength of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second	a service of the	AT LONG A COMPANY		
-	Measured concentration of impurity in sample (µg/ml):			Со		
	Uncorrected weight of impurity in sample (µg):					Sector Constants
Со	Weight of impurity in blank (µg):			and the second second		and the second second from
	Minimum corrected weight of impurity in sample (µg):			A CONTRACTOR		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	「東京」「市街市		Ni		- Julian - Marine
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg):	1.2.1.2.1.2.1.2.2.2.2.2.2.2.2.2.2.2.2.2				
	Maximum corrected weight of impurity in sample (µg):		and the second			
	Measured concentration of impurity in sample (µg/ml):			Са		State of the second
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the second of		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		and the second of the local division of the
AI	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			And the state of the second		The second second second
~	Minimum corrected weight of impurity in sample (µg):			A STATISTICS OF THE STATISTICS		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):	States Passing				
Ti	Weight of impurity in blank (µg):			A REAL PROPERTY AND		Manufacture Manufacture
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	Section Section		v		
-	Uncorrected weight of impurity in sample (µg):		10000	-		
v	Weight of impurity in blank (µg):					No. of Concession, Name
	Minimum corrected weight of impurity in sample (µq):	The second second				
F	Maximum corrected weight of impurity in sample (µq):	1 C C C C C C C C C C C C C C C C C C C		200 - 10 C		
						and the second labor of the second

of 2nd leach

Comments

FCM checked the recorded data against the official Results of Analysis for RMAL19214 on 4/12/2019.

Fred C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1145, 1186, 1113, 1214, 1119
DRF filename:	14155C_PF40-Group 2_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if >
	Post-burn leach solution ID:	B19031802	B19031902	and the second second	W19031904	Constanting lines
	Total volume of leach solution (ml):	55.3	58.8		20.0	
12		and the second second	and the second of the		and the second	
	RMAL analysis number:	19214-002	19214-004		19214-006	
	Measured uranium concentration (µg/ml):	2.30E-01	6.40E-03		2.11E-04	
	Uncertainty in uranium concentration (µg/ml):	2.30E-02	6.40E-04	The state of the second	2.11E-05	
	Weight uranium leached (g):	1.27E-05	3.76E-07	1.31E-05	4.22E-09	
	Uncertainty in weight uranium leached (g):	1.28E-06	3.79E-08	1.28E-06	4.44E-10	AL ALLEY DE
	Equivalent number of leached kernels:	3.23E-02	9.55E-04	3.32E-02	1.07E-05	
	Uncertainty in equivalent number of leached kernels:	3.27E-03	9.66E-05	3.27E-03	1.13E-06	
-		A STATISTICS AND	attend the state	and the second second	the second second	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):		AND THE REAL PROPERTY OF			
Fe	Weight of impurity in blank (µg):	and the second second				and the second second
	Minimum corrected weight of impurity in sample (µg):	12 - 21 - Co - 2	Second Second	and the state		
	Maximum corrected weight of impurity in sample (µg):	1.30				
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):		CONTRACTOR OF THE OWNER	and the second second		24.12
Cr	Weight of impurity in blank (µg):			and the second		and the second state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		The second second second	Mn		
	Uncorrected weight of impurity in sample (µg):	And the second				
Mn	Weight of impurity in blank (µg):	1211111111		and the second second		State of the state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second second		and the second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			A COLORADOR		and the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):			Cu		and the second second
Ca	Weight of impurity in blank (µg):			Sales and the second		And the Party of t
cu	Minimum corrected weight of impurity in sample (µg):			North Contract Contract		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Al		
	Uncorrected weight of impurity in sample (µg):			AI		and the second se
AI	Weight of impurity in blank (µg):			State of the local division of the local div		
AI						
	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
				Ti		
	Measured concentration of impurity in sample (µg/ml):					and the little
Ti	Uncorrected weight of impurity in sample (µg):			And I Have been stated		No. of Concession, Name
	Weight of impurity in blank (µg):			and the second se		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			V		
	Measured concentration of impurity in sample (µg/ml):			V		A ST. CARDEN AND AND
	Uncorrected weight of impurity in sample (µg):			in the second second		
v	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):			the second second		
-	Maximum corrected weight of impurity in sample (µg):			A CONTRACTOR OF A CONTRACTOR A		and the second second

> 10% of 2nd leach

Ν

FCM checked the recorded data against the official Results of Analysis for RMAL19214 on 4/12/2019.

Fiel c. Montgomery Operator



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1148, 1159, 1127, 1190, 1189
DRF filename:	14155C_PF40-Group 2_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if
	Post-burn leach solution ID:	B19032001	B19032201	and a serie of the second	W19032203	and an and a second second
	Total volume of leach solution (ml):	54.7	59.0		20.0	
1		the second second	Shartman and share		and the second second	
	RMAL analysis number:	19221-001	19221-003	- W. State	19221-005	
	Measured uranium concentration (µg/ml):	7.40E+00	3.41E-02	- And and and a	1.26E-03	
	Uncertainty in uranium concentration (µg/ml):	7.40E-01	3.41E-03		1.26E-04	1
	Weight uranium leached (g):	4.05E-04	2.01E-06	4.07E-04	2.52E-08	242013
	Uncertainty in weight uranium leached (g):	4.08E-05	2.02E-07	4.08E-05	2.65E-09	
	Equivalent number of leached kernels:	1.03E+00	5.11E-03	1.03E+00	6.40E-05	
	Uncertainty in equivalent number of leached kernels:	1.04E-01	5.16E-04	1.04E-01	6.76E-06	
1	which is a straight to be a straight the straight to be	All Street				
	Measured concentration of impurity in sample (µg/ml):			Fe		where an in
	Uncorrected weight of impurity in sample (µg):					State of the second second
Fe	Weight of impurity in blank (µg):			and the second		and the state of the second
	Minimum corrected weight of impurity in sample (µg):	100000000000000000000000000000000000000				
	Maximum corrected weight of impurity in sample (µg):		and the second second second	and have		
	Measured concentration of impurity in sample (µg/ml):			Cr		The second
	Uncorrected weight of impurity in sample (µg):	Station of the second				
Cr	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		A CONTRACTOR			
	Measured concentration of impurity in sample (µg/ml):			Mn		and the state
	Uncorrected weight of impurity in sample (µg):		No Contractor	NOT STOLED		
Mn	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	1		Со	and the second second	The Party of the P
	Uncorrected weight of impurity in sample (µg):			March 199		C. S. C. Starte
Со	Weight of impurity in blank (µg):			1 to an in the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		Carland and
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			a sea to see and		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					3 - 4 7 - 2
Ca	Weight of impurity in blank (µg):		100	and the second second		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):		and a second second second			
- 5	Measured concentration of impurity in sample (µg/ml):	2113 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		AI		ALL STREET
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			C. Republic Manager		
	Minimum corrected weight of impurity in sample (µg):		Contraction (Co			
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		State States
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			The strate and		
	Minimum corrected weight of impurity in sample (µg):			Vertil Mercellin		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			v		and the second
	Uncorrected weight of impurity in sample (µg):					
V	Weight of impurity in blank (µg):			and the second second		
-	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			and the second se		

> 10% of 2nd leach

Ν

FCM checked the recorded data against the official Results of Analysis for RMAL19221 on 4/12/2019.

Fied c. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155C
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1202, 1121, 1208, 1207, 1183
DRF filename:	14155C_PF40-Group 2_DLBL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

Pest-burn feed solution ID:         B19032202         B19032202           Total volume of leach solution (m):         56.5         58.7           Image: Second Seco			First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
Total volume of leach solution (m):         56:5         58:7           RMAL analysis number:         19221-002         19221-004         19221-006           Uncertainty in unnium concentration (ug/m):         7.23E-01         3.28E-03         19221-006           Uncertainty in unnium concentration (ug/m):         7.23E-01         3.28E-03         2.28E-04           Uncertainty in unnium concentration (ug/m):         7.23E-01         3.28E-03         2.28E-04           Uncertainty in unnium concentration (ug/m):         1.94E-07         4.11E-05         1.94E-07           Uncertainty in unnium concentration (ug/m):         Fe         1.05E-01         4.94E-04         1.02E-01           Measured concentration of impurity in sample (ug/m):         Fe         Fe         1.02E-01         1.02E-01           Minimum corrected weight of impurity in sample (ug/m):         Fe         Fe         1.02E-01         1.22E-05           Minimum corrected weight of impurity in sample (ug/m):         Fe         Fe         Fe         1.02E-01         1.02E-01           Minimum corrected weight of impurity in sample (ug/m):         Fe         Fe         Fe         1.02E-01         1.02E-01         1.02E-01         1.02E-01         1.02E-01         1.02E-01         1.02E-01         1.02E-01         1.02E-01         1.02E-01 <t< td=""><td></td><td>Post-burn leach solution ID:</td><td>B19032002</td><td>B19032202</td><td>and the second second second</td><td></td><td>Contraction of the second second</td></t<>		Post-burn leach solution ID:	B19032002	B19032202	and the second second second		Contraction of the second second
RMAL analysis number:         19221-004           IDENTIFY INTERCENTION (UP/M):         7.23E+00           IDENTIFY IN analysis number:         19221-004           Uncertainty in undigit uranium canched (0):         A.10E-04           Uncertainty in undigit uranium canched (0):         A.10E-04         A.23E-03           Uncertainty in undigit uranium canched (0):         A.10E-04         A.10E-04           Uncertainty in undigit uranium canched (0):         A.10E-04         A.10E-04           Uncertainty in undigit colspan="2">A.10E-04         A.10E-04           Uncertainty in undigit colspan="2">A.10E-04         A.23E-03           Measured concentration of impurity in sample (up/m):           Fe         Measured concentration of impurity in sample (up/m):           Fe         Measured concentration of impurity in sample (up/m):           Measu							
Measured unatum concentration (µg/m):         7.228-01         3.28E-03           Uncertainty in uranium concentration (µg/m):         7.232-01         3.28E-03           Weight uranium leached (g):         4.08E-04         1.93E-06         4.10E-04           Uncertainty in weight uranium leached (g):         4.08E-04         1.93E-07         4.11E-05           Intertainty in equivalent number of leached kernels:         1.04E+00         4.98E-03         1.04E+00           Uncertainty in equivalent number of leached kernels:         1.04E+00         4.98E-04         1.05E-01           Weasured concentration of impurity in sample (µg/m):         Fe         1.02E-01         1.22E-05           Measured concentration of impurity in sample (µg/m):         Fe         1.04E+00         1.02E-01           Measured concentration of impurity in sample (µg/m):         Fe         1.02E-01         1.22E-05           Minimum corrected weight of impurity in sample (µg/m):         Fe         1.02E-01         1.22E-05           Maximum corrected weight of impurity in sample (µg/m):         Fe         1.02E-01         1.22E-05           Minimum corrected weight of impurity in sample (µg/m):         Fe         Fe         1.02E-01         1.22E-05           Maximum corrected weight of impurity in sample (µg/m):         Fe         Fe         Fe         1.02E-0	CALCURE.		5015	5017		20.0	
Measured unatum concentration (µg/m):         7.22E+00         3.28E-03           Uncertainty in uranium concentration (µg/m):         7.22E-01         3.28E-03           Weight uranium leached (g):         4.08E-04         1.93E-06         4.10E-04           Uncertainty in weight uranium leached (g):         4.08E-04         1.93E-07         4.11E-05           Intertainty in equivalent number of leached kernels:         1.04E+00         4.98E-03         1.04E+00           Uncertainty in equivalent number of leached kernels:         1.04E+00         4.98E-01         1.05E-01           Weasured concentration of impurity in sample (µg/m):         Fe         1.02E-01         1.22E-05           Measured concentration of impurity in sample (µg/m):         Fe         1.04E+00         1.02E-01           Measured concentration of impurity in sample (µg/m):         Fe         1.02E-01         1.22E-05           Minimum corrected weight of impurity in sample (µg/m):         Fe         1.04E+00         1.04E+00           Mosared concentration of impurity in sample (µg/m):         Fe         1.04E+00         1.04E+00           Monum corrected weight of impurity in sample (µg/m):         Fe         1.04E+00         1.04E+00           Monum corrected weight of impurity in sample (µg/m):         Fe         1.04E+00         1.04E+00           Mea		RMAL analysis number:	19221-002	19221-004		19221-006	
Uncertainty in unnum teached (p): 4.22E-01         3.28E-03           Weight uranium teached (p): 4.11E-05         4.11E-05           Uncertainty in weight uranium teached (p): 4.11E-05         1.22E-01           Uncertainty in equivalent number of teached kernels:         1.04E+004         4.11E-05           Uncertainty in equivalent number of teached kernels:         1.04E+004         4.22E-04           Uncertainty in equivalent number of teached kernels:         1.04E+004         4.11E-05           Measured concentration of impurity in sample (up):         Fe         Weight of impurity in sample (up):           Measured concentration of impurity in sample (up):         Fe           Minimum corrected weight of impurity in sample (up):           Measured concentration of impurity in sample (up):           Minimum corrected weight of impurity in sample (up):           Minimum corrected weight of impurity in sample (up):           Maximum corrected weight of impurity in sample (up):           Minimum corrected weight of impurity in sample (up):           Maximum corrected weight of impurity in sample (up):           Measured concentration of impurity in sample (up):	1000				and the second of the second o		
Weight uranum leached (g):         4.08E-04         1.93E-07         4.10E-04           Uncertainty in eight uranum leached (g):         4.10E-05         4.99E-03         1.04E+00           Uncertainty in eight uranum leached (g):         1.04E+00         1.05E-01         4.99E-03         1.04E+00           Uncorrected weight of impurity in sample (µg/m):         Fe         1.05E-01         1.05E-01         1.22E-05           Measured concentration of impurity in sample (µg/n):         Fe         Fe         Weight of impurity in sample (µg/n):         Fe           Uncorrected weight of impurity in sample (µg/n):         Fe         Fe         Fe         Fe           Uncorrected weight of impurity in sample (µg/n):         Fe         Fe         Fe         Fe           Uncorrected weight of impurity in sample (µg/n):         Fe         Fe </td <td></td> <td>Uncertainty in uranium concentration (µg/ml):</td> <td></td> <td></td> <td>The second second second</td> <td></td> <td></td>		Uncertainty in uranium concentration (µg/ml):			The second second second		
Uncertainty in weight uranium leached (g):         4.11E-05         1.94E-07         4.11E-05           Equivalent number of leached kernels:         1.05E-01         4.99E-03         1.04E+00         1.05E-01           Uncertainty in equivalent number of leached kernels:         1.05E-01         4.99E-03         1.04E+00         1.05E+01           Measured concentration of impurity in sample (up/m):         Fe         Fe         1.05E-01         1.25E-04           Minimum corrected weight of impurity in sample (up/m):         Fe		Weight uranium leached (g):	4.08E-04	1.93E-06	4.10E-04		N
Equivalent number of leached kernels:         1.04E+00         4.89E-03         1.04E+00           Uncertainty in equivalent number of leached kernels:         1.05E-01         4.94E-04         1.05E-01           Measured concentration of impurity in sample (µp):         Fe         1.05E-01         1.05E-01           Minimum corrected weight of impurity in sample (µp):         Fe         1.05E-01         1.05E-01           Minimum corrected weight of impurity in sample (µp):         Fe         1.05E-01         1.05E-01           Measured concentration of impurity in sample (µp):         Fe         1.05E-01         1.05E-01           Maximum corrected weight of impurity in sample (µp):         Fe         1.05E-01         1.05E-01           Maximum corrected weight of impurity in sample (µp):         Fe         1.05E-01         1.05E-01           Minimum corrected weight of impurity in sample (µp):         Minimum corrected weight of impurity in sample (µp):         Minimum corrected weight of impurity in sample (µp):         Fe           Minimum corrected weight of impurity in sample (µp):         Fe         Fe         Fe           Minimum corrected weight of impurity in sample (µp):         Fe         Fe         Fe           Minimum corrected weight of impurity in sample (µp):         Fe         Fe         Fe           Minimum corrected weight of impurity in sample		Uncertainty in weight uranium leached (g):	4.11E-05				and the second
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Maximum corrected weight of impurity in sample (µg):       Ca         Measured concentration of impurity in sample (µg):       Ca         Uncorrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Al         Uncorrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Measured concentration of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Measured concentration of impurity in sample (µg):       Ti         Measured concentration of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):	NI I						
Measured concentration of impurity in sample (µg/ml):       Ca         Uncorrected weight of impurity in sample (µg):       Image: Ca         Minimum corrected weight of impurity in sample (µg):       Image: Ca         Maximum corrected weight of impurity in sample (µg):       Image: Ca         Maximum corrected weight of impurity in sample (µg):       Image: Ca         Measured concentration of impurity in sample (µg):       Image: Ca         Measured concentration of impurity in sample (µg):       Image: Ca         Measured concentration of impurity in sample (µg):       Image: Ca         Minimum corrected weight of impurity in sample (µg):       Image: Ca         Minimum corrected weight of impurity in sample (µg):       Image: Ca         Maximum corrected weight of impurity in sample (µg):       Image: Ca         Maximum corrected weight of impurity in sample (µg):       Image: Ca         Maximum corrected weight of impurity in sample (µg):       Image: Ca         Measured concentration of impurity in sample (µg):       Image: Ca         Measured concentration of impurity in sample (µg):       Image: Ca         Measured concentration of impurity in sample (µg):       Image: Ca         Measured concentration of impurity in sample (µg):       Image: Ca         Measured concentration of impurity in sample (µg):       Image: Ca         Measured concentration of i							
Ca Uncorrected weight of impurity in sample (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg): Al Weight of impurity in sample (µg): Minimum corrected weight of impurity in sample (µg):			PROFESSION CONTRACTOR	State of the state	C2		
Ca       Weight of impurity in blank (µg):       Image: Calify and the construction of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):         Al       Image: Calify and the construction of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):         Al       Weight of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):         Measured concentration of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):         Measured concentration of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):         Uncorrected weight of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):       Image: Calify and the construction of impurity in sample (µg):					Ca		
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Maximum corrected weight of impurity in sample (µg):       AI         Measured concentration of impurity in sample (µg/ml):       AI         Uncorrected weight of impurity in sample (µg):       AI         Minimum corrected weight of impurity in sample (µg):       AI         Maximum corrected weight of impurity in sample (µg):       AI         Minimum corrected weight of impurity in sample (µg):       AI         Maximum corrected weight of impurity in sample (µg):       AI         Measured concentration of impurity in sample (µg):       AI         Uncorrected weight of impurity in sample (µg):       AI         Measured concentration of impurity in sample (µg):       AI         Uncorrected weight of impurity in sample (µg):       AI							
Measured concentration of impurity in sample (µg/ml):       AI         Uncorrected weight of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         AI       Weight of impurity in blank (µg):         Minimum corrected weight of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         Measured concentration of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         Uncorrected weight of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):							
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Minimum corrected weight of impurity in sample (µg):       Image: Constraint of the constraint of	AI	Weight of impurity in blank (µg):			- State Black		
Maximum corrected weight of impurity in sample (µg):       Ti         Measured concentration of impurity in sample (µg/ml):       Ti         Uncorrected weight of impurity in sample (µg):       Ti			1000	and the second second			
Uncorrected weight of impurity in sample (µg):	- T-1-0	Maximum corrected weight of impurity in sample (µg):	ALL DO FRANK				
		Measured concentration of impurity in sample (µg/ml):			Ti		
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Height of imparter in blante (bg/f	Ti	Weight of impurity in blank (µg):					the second states and the second
Minimum corrected weight of impurity in sample (µg):							
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Measured concentration of impurity in sample (µg/ml):					V		A CONTRACT OF A CONTRACT OF
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Minimum corrected weight of impurity in sample (µg):							
Maximum corrected weight of impurity in sample (μg):		Maximum corrected weight of impurity in sample (µg):					

FCM checked the recorded data against the official Results of Analysis for RMAL19221 on 4/12/2019.

Fred C. Mortgomery 4-18-2019 Operator Date

APPENDIX E. REPORT FORMS FOR 40% PF COMPACT BL

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:		1526, 1515, 1541, 1530, 1528	1539, 1527, 1512, 1513, 1517	1520, 1528, 1511, 1500, 1506	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	3.3E+00	1.2E-01	2.2E+00	2.2E+00	7.9E+00

Comments

Fred C. Montgomery Operator

4-18-2019 Date

Procedure	: AGR-CHAR-DAM-26 Rev. 3
Operator	: Montgomery
Compact lot ID	: BWXT J52R-16-14154D
Compact lot description	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:		1505, 1518, 1505, 1534, 1521	1537, 1535, 1540, 1502, 1509	1522, 1531, 1543, 1532, 1525	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	2.8E+00	3.3E+00	7.0E-02	1.1E+00	7.2E+00

Comments

Fied C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:	1659, 1648, 1670, 1655, 1662	1673, 1666, 1656, 1675, 1668	1669, 1657, 1661, 1649, 1650	1663, 1654, 1646, 1643, 1667	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	2.2E+00	1.5E+00	1.3E+00	2.1E+00	7.1E+00

Comments

Fied C. Montgomey

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction

Compact ID numbers:	1658, 1674, 1671, 1653, 1640	1652, 1641, 1644, 1642, 1665	1645, 1651, 1677, 1664, 1672	1679, 1647, 1676, 1678, 1660	Total
Number of compacts:	5	5	5	5	20
Equivalent number of leached kernels:	1.0E+00	1.5E+00	2.9E+00	8.4E-02	5.5E+00

Comments

Fred C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1504, 1538, 1524, 1514, 1507
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18102301	B18102501		W18102601	Carlos and the second second
	Total volume of leach solution (ml):	60.0	62.5	the state of the	20.0	
		S SHOWER SHOW	The State of K	the state with the second	and the second second	
	RMAL analysis number:	18797-009	18797-013	and the second second second	18797-017	
	Measured uranium concentration (µg/ml):	2.18E+01	9.25E-02	and the second s	1.59E-03	
	Uncertainty in uranium concentration (µg/ml):	2.18E+00	9.25E-03	The state of the state of the	1.59E-04	
	Weight uranium leached (g):	1.31E-03	5.78E-06	1.31E-03	3.18E-08	N
	Uncertainty in weight uranium leached (g):	1.31E-04	5.81E-07	1.31E-04	3.35E-09	A CONTRACTOR OF THE OWNER
	Equivalent number of leached kernels:	3.32E+00	1.47E-02	3.33E+00	8.08E-05	
	Uncertainty in equivalent number of leached kernels:	3.35E-01	1.48E-03	3.35E-01	8.54E-06	
15 m				The second second	and the second second	
	Measured concentration of impurity in sample (µg/ml):		and a strength of the second	Fe		and the state of the second second
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		and the second second
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			A state of the state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
_	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):		all a la faire su	the start reading		
5 }	Minimum corrected weight of impurity in sample (µg):	B BURNEY SK				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		the second second second
Co	Uncorrected weight of impurity in sample (µg):			NAME OF OCCUPANT OR OTHER		
0	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg/m):			INI		
Ni	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		AND DESCRIPTION OF THE OWNER.	Ca		
	Uncorrected weight of impurity in sample (µg):			Cu		
Ca	Weight of impurity in blank (µg):			State of the state		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	Contraction of the local distance	ALC: PARTY AND	AI		
	Uncorrected weight of impurity in sample (µg):			Street States		
AI	Weight of impurity in blank (µg):		a second second	and the second		
- T	Minimum corrected weight of impurity in sample (µg):		States and the second			
-	Maximum corrected weight of impurity in sample (µg):	STORAGE ST		Contraction of the second		
	Measured concentration of impurity in sample (µg/ml):			Ti		and a second
	Uncorrected weight of impurity in sample (µg):			August a submering		
Ti	Weight of impurity in blank (µg):			and salary		and the second s
	Minimum corrected weight of impurity in sample (µg):					and the second designed
	Maximum corrected weight of impurity in sample (µg):					A CALL STATE OF STATE
	Measured concentration of impurity in sample (µg/ml):			V		and a start and the second
L	Uncorrected weight of impurity in sample (µg):					
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L	Minimum corrected weight of impurity in sample (µg):					the second with the second second second
	Maximum corrected weight of impurity in sample (µg):					a substance of the second second

Comments

Leached in Vessel RB#2 (previously leached and analyzed as Blank 1 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the second ICPMS analyses of B18102301. The first analysis results were rejected based on IDMS analysis.

Fied c. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1504, 1538, 1524, 1514, 1507
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18102301	B18102501		W18102601	
	Total volume of leach solution (ml):	60.0	62.5		20.0	
LOCTOR D		60.0	02.3	P. M. S. S. S. S. S. S. S.	20.0	
	RMAL analysis number:	18797-009	18797-013		18797-017	
	Measured uranium concentration (µg/ml):	2.21E+01	10/ 5/ 015	Contraction of the second	10/3/-01/	
	Uncertainty in uranium concentration (µg/ml):	2.21E+00		and the second second		
	Weight uranium leached (g):	1.32E-03		a service service of a		
	Uncertainty in weight uranium leached (g):	1.33E-04				
	Equivalent number of leached kernels:	3.36E+00	A CONTRACTOR			
	Uncertainty in equivalent number of leached kernels:	3.40E-01			Sector State	
and the second		and the states		States and	and a strange	
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second se
1.00	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			Contraction of the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		Charles and the state of the second
Cr	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Mar		
	Uncorrected weight of impurity in sample (µg):			Mn		
Mn	Weight of impurity in blank (µg):			Contraction of the local division of the loc		The second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second second		and the second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			Contraction of the second		
-	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):					A CALL AND A CALL AND A CALL
	Minimum corrected weight of impurity in sample (µg):					and the standard and the second s
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
100	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the second s		a provide the state of the
	Minimum corrected weight of impurity in sample (µg):				5	a service a present of the service of
	Maximum corrected weight of impurity in sample (µg):				A SUSTING A	Approved and the second second and the second
	Measured concentration of impurity in sample (µg/ml):		Server Street Street	AI		
AL	Uncorrected weight of impurity in sample (µg):					
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	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					The state of the state of the state of the
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg/mi):					a the second s
ті	Weight of impurity in blank (µg):			and the second second		
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	Maximum corrected weight of impurity in sample (µg):	and the second				
	Measured concentration of impurity in sample (µg/ml):			v		and the second second second
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		and the second
	Minimum corrected weight of impurity in sample (µg):	Sector Sector	1			and the second second second second
	Maximum corrected weight of impurity in sample (µg):		as send to a test of	Charles and the second		

#### Comments

Leached in Vessel RB#2 (previously leached and analyzed as Blank 1 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the first ICPMS analysis of B18102301. The first analysis results were rejected based on IDMS analysis.

Fiel c. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
	BWXT J52R-16-14154D
	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1504, 1538, 1524, 1514, 1507
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10%
	Post-burn leach solution ID:	B18102301	B18102501	Strate La Strate and	W18102601	A SAME TO A SAME TO A LONG
1	Total volume of leach solution (ml):	60.0	62.5		20.0	
	Dates and the second of the states of	- Philippine in the	The survey of the Party			
	RMAL analysis number:	18797-009	18797-013		18797-017	
	Measured uranium concentration (µg/ml):	2.12E+01				
	Uncertainty in uranium concentration (µg/ml):	1.06E+00				
	Weight uranium leached (g):	1.27E-03		d and states a		
	Uncertainty in weight uranium leached (g):	6.50E-05				and the second
	Equivalent number of leached kernels:	3.22E+00				
	Uncertainty in equivalent number of leached kernels:	1.68E-01				
1					and the second	
	Measured concentration of impurity in sample (µg/ml):			Fe		-19 Juli 28-03
_	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):	States and the state		and the second sec		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		in the second
	Uncorrected weight of impurity in sample (µg):					
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. 117	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1.00	Measured concentration of impurity in sample (µg/ml):		Distance, Second St.	Mn		
	Uncorrected weight of impurity in sample (µg):			1.		
Mn	Weight of impurity in blank (µg):			A State State		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		March 1 1 1 1 1 1
	Uncorrected weight of impurity in sample (µg):	and the second second				
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	Minimum corrected weight of impurity in sample (µg):			the second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second states
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			Carl Carlos Ph		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca	1	State State Man Party
-	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		Stra Ball
	Uncorrected weight of impurity in sample (µg):			and the second second		
AI	Weight of impurity in blank (µg):			Service and	-	
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		The second s
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	Weight of impurity in blank (µg):			a state of the sta		
a 111	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	THE PLANT		v		AND ST TA AND
	Uncorrected weight of impurity in sample (µg):					
V	Weight of impurity in blank (µg):			Thereine The		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the second second

of 2nd leach

#### Comments

Leached in Vessel RB#2 (previously leached and analyzed as Blank 1 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the isotope dilution mass spectrometry analysis of B18102301.

Fied C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1526, 1515, 1541, 1530, 1528
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

Include if > 10% of 2nd leach

Ν

		First Leach	Second Leach	Total	Water rins
	Post-burn leach solution ID:	B18102302	B18102502		W1810260
	Total volume of leach solution (ml):	59.5	62.8	at the second second	20.0
No mark			and the second of the	and a second second	THE & DEPART
	RMAL analysis number:	18797-010	18797-014	and manager in	18797-01
	Measured uranium concentration (µg/ml):	7.86E-01	5.76E-03	the second second second	5.67E-04
1	Uncertainty in uranium concentration (µg/ml):	7.86E-02	5.76E-04	and the second	5.67E-05
	Weight uranium leached (g):	4.68E-05	3.62E-07	4.71E-05	1.13E-08
	Uncertainty in weight uranium leached (g):	4.70E-06	3.63E-08	4.70E-06	1.19E-09
	Equivalent number of leached kernels:	1.19E-01	9.18E-04	1.20E-01	2.88E-05
	Uncertainty in equivalent number of leached kernels:	1.20E-02	9.27E-05	1.20E-02	3.04E-06
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	Measured concentration of impurity in sample (µg/ml):			Fe	
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	Measured concentration of impurity in sample (µg/ml):			Ti	
	Uncorrected weight of impurity in sample (µg):				
, F	Weight of impurity in blank (µg):			The second second	
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	Maximum corrected weight of impurity in sample (µg):				
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-	Measured concentration of impurity in sample (µg/ml):			V	
, H	Uncorrected weight of impurity in sample (µg):			The second s	
	Weight of impurity in blank (µg):			Reading & Manual State	
	Minimum corrected weight of impurity in sample (µg):			and the second se	

Comments

Leached in Vessel RB#3 (previously leached and analyzed as Blank 2 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the second ICPMS analyses of B18102302. The first analysis results were rejected based on IDMS analysis.

Fied C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1526, 1515, 1541, 1530, 1528
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

Post-burn leach solution (D):       818102302       818102502       20.0         Total volume of leach solution (m):       59.5       62.8       20.0         Measured uranium concentration (µ/m):       8.26E-01       18797-014         Uncertainty in uranium concentration (µ/m):       8.26E-02       18797-014         Uncertainty in uranium concentration (µ/m):       8.26E-02       18797-018         Uncertainty in equivalent number of leached kernels:       1.25E-01       18797-018         Uncertainty in equivalent number of leached kernels:       1.25E-01       18797-018         Uncertainty in equivalent number of leached kernels:       1.25E-01       18797-018         Minimum corrected weight of impurity in sample (µ0):       Fe       18797-018         Minimum corrected weight of impurity in sample (µ0):       Fe       125E-01         Uncorrected weight of impurity in sample (µ0):       Cr       18797-018         Maximum corrected weight of impurity in sample (µ0):       Cr       18797-018         Maximum corrected weight of impurity in sample (µ0):       Cr       18797-018         Minimum corrected weight of impurity in sample (µ0):       Minimum corrected weight of impurity in sample (µ0):       Minimum corrected weight of impurity in sample (µ0):         Maximum corrected weight of impurity in sample (µ0):       Minimum corrected weight of impurit	10% of 2nd leach
Total volume of leach solution (m):         59:5         62:8           RMAL analysis number:         18797-010         18797-014           Measured uranium concentration (up/m):         8.266-02         18797-015           Uncertainty in uranium concentration (up/m):         8.266-02         18797-016           Uncertainty in equivalent number of leached kernels:         1.256-01         18797-016           Uncertainty in equivalent number of leached kernels:         1.256-02         18797-016           Weight of impurity in sample (up):         Fe         1.266-02         18797-017           Measured concentration of impurity in sample (up):         1.266-02         18797-018           Maximum corrected weight of impurity in sample (up):         1.266-02         18797-018           Maximum corrected weight of impurity in sample (up):         1.266-02         18797-018           Maximum corrected weight of impurity in sample (up):         Cr         1.266-02           Maximum corrected weight of impurity in sample (up):         Maximum corrected weight of impurity in sample (up):         Maxi	
RMAL analysis number:       18797-010       18797-014         Measured uranium concentration (µg/m):       8.26E-01       18797-014         Uncertainty in uranium concentration (µg/m):       8.26E-02       18797-014         Uncertainty in weight uranium leached (g):       4.91E-05       18797-014         Uncertainty in weight uranium leached (g):       4.91E-05       12757-014         Uncertainty in equivalent number of leached kernels:       1.25E-01       12757-014         Uncertainty in equivalent number of leached kernels:       1.25E-01       12757-014         Uncertainty in equivalent number of leached kernels:       1.25E-01       12757-014         Maximum corrected weight of impurity in sample (µg/m):       Fe       12757-014         Maximum corrected weight of impurity in sample (µg/m):       Cr       12757-014         Maximum corrected weight of impurity in sample (µg/m):       Cr       12757-014         Maximum corrected weight of impurity in sample (µg/m):       Cr       12757-014         Maximum corrected weight of impurity in sample (µg/m):       Cr       12757-014         Minimum corrected weight of impurity in sample (µg/m):       Mn       12757-014         Maximum corrected weight of impurity in sample (µg/m):       Mn       12757-014         Maximum corrected weight of impurity in sample (µg/m):       Co <td></td>	
Measured uranium concentration (µg/m)):       8.26E-02         Weight uranium leached (g):       4.91E-05         Uncertainty in vanight leached (g):       4.94E-06         Uncertainty in vanight leached kernels:         Uncertainty in equivalent number of leached kernels:         Image: Ima	
Measured uranium concentration (µg/m)):       8.26E-02         Weight uranium leached (g):       4.91E-05         Uncertainty in venight uranium leached (g):       4.91E-05         Uncertainty in venight uranium leached (g):       4.94E-06         Uncertainty in equivalent number of leached kernels:       1.26E-02         Uncertainty in equivalent number of leached kernels:       1.26E-02         Weight of impurity in sample (µg/m):         Fe         Measured concentration of impurity in sample (µg):         Minimum corrected weight of impurity in sample (µg):         Minimum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):         Minimum corrected weight of impurity	
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Maximum corrected weight of impurity in sample (µg):       Ni         Measured concentration of impurity in sample (µg/ml):       Ni         Uncorrected weight of impurity in sample (µg):       Ni         Ni       Weight of impurity in blank (µg):         Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Ca         Measured concentration of impurity in sample (µg):       Ca         Measured concentration of impurity in sample (µg):       Ca         Ca       Weight of impurity in blank (µg):	
Measured concentration of impurity in sample (µg/ml):       Ni         Uncorrected weight of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         Minimum corrected weight of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         Measured concentration of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         Ca       Image: Concentration of impurity in sample (µg):         Weight of impurity in sample (µg):       Image: Concentration of impurity in sample (µg):         Ca       Image: Concentration of impurity in sample (µg):	
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Ni       Weight of impurity in blank (µg):         Minimum corrected weight of impurity in sample (µg):       Image: Sample (µg):         Maximum corrected weight of impurity in sample (µg):       Image: Sample (µg):         Maximum corrected weight of impurity in sample (µg):       Image: Sample (µg):         Maximum corrected weight of impurity in sample (µg):       Image: Sample (µg):         Maximum corrected weight of impurity in sample (µg):       Image: Sample (µg):         Ca       Weight of impurity in blank (µg):	
Minimum corrected weight of impurity in sample (µg):	the state of the s
Maximum corrected weight of impurity in sample (µg):       Ca         Measured concentration of impurity in sample (µg/ml):       Ca         Uncorrected weight of impurity in sample (µg):       Ca         Ca       Weight of impurity in blank (µg):	
Measured concentration of impurity in sample (µg/ml):     Ca       Uncorrected weight of impurity in sample (µg):     Impurity in sample (µg):       Ca     Weight of impurity in blank (µg):	
Ca Uncorrected weight of impurity in sample (µg):	
Ca Weight of impurity in blank (ug):	
Minimum corrected weight of impurity in sample (µg):	
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Measured concentration of impurity in sample (µg/ml):	
Uncorrected weight of impurity in sample (µg):	States I have all
Al Weight of impurity in blank (µg):	Strength of the state
Minimum corrected weight of impurity in sample (µg):	
Maximum corrected weight of impurity in sample (µg):	
Measured concentration of impurity in sample (µg/ml):	
Uncorrected weight of impurity in sample (µg):	STATE STATES
Ti Weight of impurity in blank (µg):	A. L. S.
Minimum corrected weight of impurity in sample (µg):	
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Measured concentration of impurity in sample (µg/ml):	
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V Weight of impurity in blank (µg):	in the state of the state
Minimum corrected weight of impurity in sample (µg):	
Maximum corrected weight of impurity in sample (µg):	and the second

#### Comments

Leached in Vessel RB#3 (previously leached and analyzed as Blank 2 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the first ICPMS analyses of B18102302. The first analysis results were rejected based on IDMS analysis.

Fied C. Montgomers



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1539, 1527, 1512, 1513, 1517
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	r					
		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18102303	B18102503	an and the second	K18102603	
	Total volume of leach solution (ml):	59.5	62.2	A State of the second	20.0	
300		State Barris	and the second second	and the second second	The Real Providence	
	RMAL analysis number:	18797-011	18797-015	C. C	18797-019	
-	Measured uranium concentration (µg/ml):	1.45E+01	7.32E-02	and a strength of the	1.67E-03	
	Uncertainty in uranium concentration (µg/ml):	1.45E+00	7.32E-03	and the second se	1.67E-04	a faith and the second s
-	Weight uranium leached (g):	8.65E-04	4.55E-06	8.69E-04	3.34E-08	N
-	Uncertainty in weight uranium leached (g):	8.70E-05	4.58E-07	8.70E-05	3.51E-09	
	Equivalent number of leached kernels:	2.19E+00	1.16E-02	2.21E+00	8.48E-05	
-	Uncertainty in equivalent number of leached kernels:	2.22E-01	1.17E-03	2.22E-01	8.95E-06	
The Los	Measured concentration of impurity in sample (µg/ml):	and the second second	and the second second	E.	and the second s	
	Uncorrected weight of impurity in sample (µg):			Fe		
Fe	Weight of impurity in blank (µg):			And and a second second second		Contraction of the second s
10	Minimum corrected weight of impurity in sample (µg):					
1.10	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			CI		
Cr	Weight of impurity in blank (µg):			Contraction and the same		and the second se
	Minimum corrected weight of impurity in sample (µg):	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A REAL PROPERTY AND INCOME.		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):					and the second
Mn	Weight of impurity in blank (µg):	Constraints of				
	Minimum corrected weight of impurity in sample (µg):					
1.00	Maximum corrected weight of impurity in sample (µg):		10000			
	Measured concentration of impurity in sample (µg/ml):	and the second s		Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second second		the state of the second state of the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			Second Second		
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			The state of the second		and a second second second second
	Minimum corrected weight of impurity in sample (µg):				12.72.12	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	THE REAL OF		Са	212-0-0	
	Uncorrected weight of impurity in sample (µg):		14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Ca	Weight of impurity in blank (µg):			A Real Providence		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI	and the second second	
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			and the state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the second
100	Measured concentration of impurity in sample (µg/ml):			Ti	100	
Ti	Uncorrected weight of impurity in sample (µg):			Contraction of the local division of the		
	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			to the set of the second		Canada and the second second
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					Mar a read and a second second
	Maximum corrected weight of impurity in sample (µg/ml): Measured concentration of impurity in sample (µg/ml):			v		and the second s
	Uncorrected weight of impurity in sample (µg):					and the second se
v	Weight of impurity in blank (µg):					the second second second second
	Minimum corrected weight of impurity in sample (µg):					and the second second second
	Maximum corrected weight of impurity in sample (µg):					
	right of impurity in sample (pg).					and the second

Comments

Leached in Vessel RB#11 (previously leached and analyzed as Blank 3 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the second ICPMS analyses of B18102303. The first analysis results were rejected based on IDMS analysis.

Fred C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1539, 1527, 1512, 1513, 1517
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
1 - 1 - 1	Post-burn leach solution ID:	B18102303	B18102503		K18102603	
-	Total volume of leach solution (ml):	59.5	62.2	and the second of	20.0	
No. of Contraction		5515	ULIE	and the second second	20.0	
	RMAL analysis number:	18797-011	18797-015	The second second	18797-019	
	Measured uranium concentration (µg/ml):	1.57E+01	10/01/010		10/5/ 015	
	Uncertainty in uranium concentration (µg/ml):	1.57E+00		and the second second		
	Weight uranium leached (g):	9.31E-04				
	Uncertainty in weight uranium leached (g):	9.37E-05		A CONTRACTOR OF STREET	1	A CONTRACTOR OF THE OWNER OF THE
	Equivalent number of leached kernels:	2.36E+00				
	Uncertainty in equivalent number of leached kernels:	2.39E-01				
the all			The state of the state	and a second second	and the second	
	Measured concentration of impurity in sample (µg/ml):	The Lot of the State		Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and the second second		a long to barre a manufacture
-	Minimum corrected weight of impurity in sample (µg):				Contract of the second	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			and the second second		Charles and the second
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		A LOT A LOT A LOT AND A LOT A
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):	Red Proposed Propagate		the state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		The second second	Со		and the second second second
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			11 - 11 - 11 - 12		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second second second
Ni	Uncorrected weight of impurity in sample (µg):			and the second se		
. NI	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					
1.1.1	Maximum corrected weight of impurity in sample (µg):					
_	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):			La		
Ca	Weight of impurity in blank (µg):	100000000		a state and the state of the st		The second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			2. 45 (A) (A) (A) (A) (A) (A) (A)		and the second se
	Minimum corrected weight of impurity in sample (µg):	and the second				
	Maximum corrected weight of impurity in sample (µg):	112 1 1 1 1 1 1 1 1 1				
	Measured concentration of impurity in sample (µg/ml):			Ti		
ľ	Uncorrected weight of impurity in sample (µg):					
Ti [	Weight of impurity in blank (µg):	A CONTRACTOR OF		the strength of the strength of the		and the second states of the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			v		The second s
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

Comments

Leached in Vessel RB#11 (previously leached and analyzed as Blank 3 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the first ICPMS analyses of B18102303. The first analysis results were rejected based on IDMS analysis.

Fred c. montgoment Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1520, 1528, 1511, 1500, 1506
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

ude if > 10% of 2nd leach

N

		First Leach	Second Leach	Total	Water rinse	Inclu
	Post-burn leach solution ID:	B18102304	B18102504		K18102604	- Contractor
	Total volume of leach solution (ml):	61.0	64.0	and the second	22.5	
Some State		the state state	- Bit is and	and the second second		
	RMAL analysis number:	18797-012	18797-016	State State State	18797-020	
	Measured uranium concentration (µg/ml):	1.44E+01	7.88E-02	and the second second	1.15E-03	
	Uncertainty in uranium concentration (µg/ml):	1.44E+00	7.88E-03		1.15E-04	Ster In
	Weight uranium leached (g):	8.76E-04	5.05E-06	8.81E-04	2.59E-08	
	Uncertainty in weight uranium leached (g):	8.81E-05	5.07E-07	8.81E-05	2.69E-09	
_	Equivalent number of leached kernels:	2.22E+00	1.28E-02	2.24E+00	6.57E-05	
-	Uncertainty in equivalent number of leached kernels:	2.25E-01	1.29E-03	2.25E-01	6.87E-06	
7 2 2		The Local Constant of the		and an and a plan	Contraction of the second	
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second
Fe	Uncorrected weight of impurity in sample (µg):					
ге	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			0		
	Uncorrected weight of impurity in sample (µg/mi):			Cr		1000
Cr	Weight of impurity in blank (µg):			A REAL PROPERTY AND INCOME.		The Party of Long
CI	Minimum corrected weight of impurity in sample (µg):			A CARACTAR AND		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			мп		1000
Mn	Weight of impurity in blank (µg):			and the second second		A DALLAR
	Minimum corrected weight of impurity in sample (µg):			and the second		
	Maximum corrected weight of impurity in sample (µg):			CONTRACTOR OF		
-	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):					1. A
Co	Weight of impurity in blank (µg):			Contraction of the local division of the loc		State of the state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			And the second		and the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	12 St. 19 St. 19 St. 19				
	Measured concentration of impurity in sample (µg/ml):	and the second second	THE REAL PROPERTY OF	Ca		
	Uncorrected weight of impurity in sample (µg):					-
Ca	Weight of impurity in blank (µg):	and the second second		A STATE OF STATE		the second second
5151	Minimum corrected weight of impurity in sample (µg):				Contraction State	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		Contraction of the Contraction	AI		
	Uncorrected weight of impurity in sample (µg):	Service and the service of the servi		Contraction of the		
AI	Weight of impurity in blank (µg):		ALC: THE GET			Har Care
	Minimum corrected weight of impurity in sample (µg):		100 C 10	Carlos and a los		
	Maximum corrected weight of impurity in sample (µg):	N 2	S. 1470. 38 38			
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):		2500	State of the second		
Ti [	Weight of impurity in blank (µg):			and the second second		32-82
	Minimum corrected weight of impurity in sample (µg):			dame to be a		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	A STATE		v		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			A State of the second		The lot of the second
* H	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					

Comments

Leached in Vessel FB#2 (previously leached and analyzed as Blank 4 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the second ICPMS analyses of B18102304. The first analysis results were rejected based on IDMS analysis.

Fred c. Montgomery 4-18-2019 Operator Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1520, 1528, 1511, 1500, 1506
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18102304	B18102504		K18102604	the second state of the second state of the
	Total volume of leach solution (ml):	61.0	64.0	The stand and the	22.5	
and the second	and the second	The second second			Contraction of the second	
	RMAL analysis number:	18797-012	18797-016	AN - PERMIT	18797-020	
	Measured uranium concentration (µg/ml):	1.44E+01				
	Uncertainty in uranium concentration (µg/ml):	1.44E+00				
	Weight uranium leached (g):	8.78E-04				States States Street States
	Uncertainty in weight uranium leached (g):	8.83E-05				That has been a for the second of the
	Equivalent number of leached kernels:	2.23E+00				
	Uncertainty in equivalent number of leached kernels:	2.25E-01				
and the second second				The second second		
1.0	Measured concentration of impurity in sample (µg/ml):			Fe		and the second second second
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			- Mining the same		and the second states of
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		and the state of the second
	Uncorrected weight of impurity in sample (µg):			and the second second		
Cr	Weight of impurity in blank (µg):			a data ta bit		
	Minimum corrected weight of impurity in sample (µg):				22.2	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	And the second		Mn		and the second second second second
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	Arrest Intel Succession		Co		alter a state when the last
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):	and the second		And the state and		
	Minimum corrected weight of impurity in sample (µg):					
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
Ni	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			The second s		and the second second second second
INI	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			60		The State Constant of Constant
	Uncorrected weight of impurity in sample (µg):			Ca		
Ca	Weight of impurity in blank (µg):			and the second second second		Charles and the second second
Cu	Minimum corrected weight of impurity in sample (µg):					A Contraction of the second
	Maximum corrected weight of impurity in sample (µg):				1	the second lite addition
	Measured concentration of impurity in sample (µg/ml):			AI		and the second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):					and the second sec
	Minimum corrected weight of impurity in sample (µg):					the second second second second second
	Maximum corrected weight of impurity in sample (µg):			E LACE STATE		and the second second second
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			Contraction of the		
	Minimum corrected weight of impurity in sample (µg):					and the state of the
	Maximum corrected weight of impurity in sample (µg):			12		and the second
	Measured concentration of impurity in sample (µg/ml):	No. of the second second		V		Wanter and the second states
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):				Contraction of the	and the second second
	Minimum corrected weight of impurity in sample (µg):	AND THE REAL PROPERTY OF	States and States	15 March 19 March 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Maximum corrected weight of impurity in sample (µg):	CALCULATION OF A			2	and the second

#### Comments

Leached in Vessel FB#2 (previously leached and analyzed as Blank 4 before use). FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019. Shown is the result of the first ICPMS analyses of B18102304. The first analysis results were rejected based on IDMS analysis.

Fied C. Montgomery



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	Blank 1
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Average weight uranium per particle, mean value (g):		3.94E-04		
Average weight uranium per particle, uncertainty in mean (g):		3.94E-06		
	_			
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	L18100901		Con Brent Cont
	Total volume of leach solution (ml):	92.5		
16 Jak			and the second second	
	RMAL analysis number:	18797-001		
	Measured uranium concentration (µg/ml):	2.96E-03		
	Uncertainty in uranium concentration (µg/ml):	2.96E-04		
	Weight uranium leached (g):	2.74E-07		
	Uncertainty in weight uranium leached (g):	2.75E-08		
	Equivalent number of leached kernels:	6.95E-04		Section 10
	Uncertainty in equivalent number of leached kernels:	7.01E-05		ALL
No.	and the second sec			
Fe	Measured concentration (µg/ml):			Fe
	Total weight of leached impurity (µg):	274 Base 1 1 1 1		
Cr	Measured concentration (µg/ml):		and the second	Cr
	Total weight of leached impurity (µg):		N REPORT OF T	
Mn	Measured concentration (µg/ml):			Mn
	Total weight of leached impurity (µg):			
Co	Measured concentration (µg/ml):			Со
	Total weight of leached impurity (µg):			
Ni	Measured concentration (µg/ml):		11 - 12 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Ni
	Total weight of leached impurity (µg):			
Ca	Measured concentration (µg/ml):			Ca
	Total weight of leached impurity (µg):		- 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	
AI	Measured concentration (µg/ml):			AI
	Total weight of leached impurity (µg):		STATEMENT I	
Ti	Measured concentration (µg/ml):			Ti
	Total weight of leached impurity (µg):			
v	Measured concentration (µg/ml):			v
	Total weight of leached impurity (µg):			

Comments

Blank 1 was obtained on Vessel RB#2 before it was used for burn-leach of 14154D-Group 1 Clutch 1. FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019.

Fred C\_ Montgomery

4-18-2019 Date Include if > 10% of 2nd leach

Water rinse

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	Blank 2
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Average weight uranium per particle, mean value (g):		3.94E-04		
Average weight uranium per particle, uncertainty in mean (g):			3.94E-06	
		First Leach	Second Leach	Total
	Post-burn leach solution ID:	L18100902		
	Total volume of leach solution (ml):	100.5		And the second
24		and the second s		
	RMAL analysis number:	18797-002		The second s
	Measured uranium concentration (µg/ml):	1.12E-03		- Branch
	Uncertainty in uranium concentration (µg/ml):	1.12E-04		
	Weight uranium leached (g):	1.13E-07		
	Uncertainty in weight uranium leached (g):	1.13E-08		
	Equivalent number of leached kernels:	2.86E-04		
	Uncertainty in equivalent number of leached kernels:	2.88E-05		
345		and the state of the	and the stand of the	All and a second second
Fe	Measured concentration (µg/ml):			Fe
re	Total weight of leached impurity (µg):			
Cr	Measured concentration (µg/ml):	and the second second		Cr
CI	Total weight of leached impurity (μg):			
Mn	Measured concentration (µg/ml):			Mn
Pill	Total weight of leached impurity (µg):	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Co	Measured concentration (µg/ml):		and the second	Со
	Total weight of leached impurity (µg):			
Ni	Measured concentration (µg/ml):	AND DESCRIPTION	Market State	Ni
INI .	Total weight of leached impurity (μg):			
Ca	Measured concentration (µg/ml):			Ca
cu	Total weight of leached impurity (µg):			
AI	Measured concentration (µg/ml):			AI
	Total weight of leached impurity (μg):			
ті	Measured concentration (µg/ml):			Ti
	Total weight of leached impurity (µg):	200 100 100 100		
v	Measured concentration (µg/ml):			V
	Total weight of leached impurity (µg):			

Comments

Blank 2 was obtained on Vessel RB#3 before it was used for burn-leach of 14154D-Group 1 Clutch 2. FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019.

Fied C. Montgomery

4-18-2019

Water rinse

Include if > 10% of 2nd leach

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	Blank 3
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

	Average weight uranium per particle, mean value (g):		3.94E-04		
A	Average weight uranium per particle, uncertainty in mean (g):		3.94E-06		
		First Leach	Second Leach	Total	
	Post-burn leach solution ID:	L18100903			
	Total volume of leach solution (ml):	92.0			
States.		The Local State	and the second		
	RMAL analysis number:	18797-003			
	Measured uranium concentration (µg/ml):	3.87E-03			
	Uncertainty in uranium concentration (µg/ml):	3.87E-04		and the second	
	Weight uranium leached (g):	3.56E-07			
	Uncertainty in weight uranium leached (g):	3.57E-08			
	Equivalent number of leached kernels:	9.05E-04			
	Uncertainty in equivalent number of leached kernels:	9.11E-05		1 - F	
1		and the second	A see the West water		
Fe	Measured concentration (µg/ml):			Fe	
re	Total weight of leached impurity (µg):			1.	
Cr	Measured concentration (µg/ml):		Constraints of	Cr	
	Total weight of leached impurity (μg):				
Mn	Measured concentration (µg/ml):	the set of the set		Mn	
	Total weight of leached impurity (µg):				
Co	Measured concentration (µg/ml):			Co	
	Total weight of leached impurity (µg):				
Ni	Measured concentration (µg/ml):	Louis have been the		Ni	
	Total weight of leached impurity (μg):				
Ca	Measured concentration (µg/ml):			Ca	
ou	Total weight of leached impurity (µg):				
AL	Measured concentration (µg/ml):			AI	
	Total weight of leached impurity (µg):				
Ti	Measured concentration (µg/ml):	A STATISTICS NOT		Ti	
	Total weight of leached impurity (µg):	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
v	Measured concentration (µg/ml):	A SHIPLE PLAN	a the state of the state	v	
v	Total weight of leached impurity (µg):				

			- yer
21. 2.12	Carlos Martin		- gran
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			E CAR
-		a stand	and the second
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1.500	1212		
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Mar In Colorest		And and and a state of the local division of	-
Sector Sector	10000	Relation of the second	0035
Ale and	and the second	11111	and the second
			-
The second	Sec. 2	- and and	13.00
	_		
- Electronic	Contraction of the	Man Partie	State - 2
and the second second	-	-	Conception in
ten martin	200	the state of the	and the
San Bar	the second	141 m	15200
-	-		

Comments

Blank 3 was obtained on Vessel RB#11 before it was used for burn-leach of 14154D-Group 1 Clutch 3. FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019.

Fied C. Montgomery

4-18-2019 Date

	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	Blank 4
DRF filename:	14154D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

	Average weight uranium per particle, mean value (g): 3.94E-04				
A	Average weight uranium per particle, uncertainty in mean (g):		3.94E-06		
	_				
		First Leach	Second Leach	Total	
	Post-burn leach solution ID:	L18100904		and the second	
	Total volume of leach solution (ml):	99.0			
			Service and and and		
	RMAL analysis number:	18797-004			
	Measured uranium concentration (µg/ml):	1.04E-03			
	Uncertainty in uranium concentration (µg/ml):	1.04E-04			
	Weight uranium leached (g):	1.03E-07			
	Uncertainty in weight uranium leached (g):	1.03E-08		1	
	Equivalent number of leached kernels:	2.61E-04			
	Uncertainty in equivalent number of leached kernels:	2.63E-05			
Fe	Measured concentration (µg/ml):			Fe	
	Total weight of leached impurity (µg):			17.45	
Cr	Measured concentration (µg/ml):			Cr	
	Total weight of leached impurity (µg):			100 million 100	
Mn	Measured concentration (µg/ml):			Mn	
	Total weight of leached impurity (µg):			2.3 V 14 74	
Co	Measured concentration (µg/ml):			Co	
	Total weight of leached impurity (µg):				
Ni	Measured concentration (µg/ml):	and the second second		Ni	
	Total weight of leached impurity (µg):				
Ca	Measured concentration (µg/ml):			Ca	
	Total weight of leached impurity (µg):				
AI	Measured concentration (µg/ml):	and the second second		AI	
	Total weight of leached impurity (μg):	Charles and a			
Ti	Measured concentration (µg/ml):			Ti	
	Total weight of leached impurity (µg):				
v	Measured concentration (µg/ml):			v	
	Total weight of leached impurity (µg):				

 Water rinse
 Include if > 10% of 2nd leach

 Incl

Comments

Blank 4 was obtained on Vessel FB#2 before it was used for burn-leach of 14154D-Group 1 Clutch 4. FCM checked the recorded data against the official Results of Analysis for RMAL18797 on 3/21/2019.

Fied c. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1508, 1510, 1501, 1533, 1519
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	1	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Part hum leach solution ID:			TULAI	and the second sec	Include II > 10% of 2nd leach
	Post-burn leach solution ID: Total volume of leach solution (ml):	B18111501	B18111901		W18111905	
	Total volume of leach solution (mi):	56.8	62.5	A WAR STORE	22.5	
	RMAL analysis number:	18877-001	10077-005		10077.000	
-	Measured uranium concentration (µg/ml):	1.90E+01	18877-005	1357 F 137 88	18877-009	
	Uncertainty in uranium concentration (µg/ml):	1.90E+01 1.90E+00	7.19E-02 7.19E-03	and the second second	2.08E-03 2.08E-04	
-	Weight uranium leached (g):	1.08E-03	4.49E-06	1.08E-03	4.67E-08	N
-	Uncertainty in weight uranium leached (g):	1.09E-03	4.49E-08 4.52E-07	1.08E-03	4.86E-09	N
	Equivalent number of leached kernels:	2.74E+00	1.14E-02	2.75E+00	1.19E-04	
	Uncertainty in equivalent number of leached kernels:	2.77E-01	1.15E-03	2.77E-01	1.24E-05	
1000		2.772 01	1.132-05	2.772-01	1.246-03	
-	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and the second second		A REAL PROPERTY AND A REAL
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			States of the states		the second second second
	Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
-	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			- Standard Tolar		the second and a suff second sec.
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		The second second second
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		100 For Station and
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			the second second		
1.1	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		and the second state of the second
Ca	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			State of the local division of the local div		
ca	Minimum corrected weight of impurity in sample (µg):			The second s		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):			AI		
AL	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg):	121				22 TO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second sec
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):	COLUMN STREAM				a state of the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			a second second		
	Measured concentration of impurity in sample (µg/ml):	and the second		V		
	Uncorrected weight of impurity in sample (µg):					
v [	Weight of impurity in blank (µg):			State State		
	Minimum corrected weight of impurity in sample (µg):					The state of the state of the
	Maximum corrected weight of impurity in sample (µg):					and and the second second

Leached in Vessel #31 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the second ICPMS analyses of B18111501. The first analysis results were rejected based on IDMS analysis.

Fied C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1508, 1510, 1501, 1533, 1519
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	Γ	First Leach	Second Leach	Total	Water rinse	Include if > 10%
	Post-burn leach solution ID:	B18111501	B18111901	A STATISTICS AND	W18111905	
	Total volume of leach solution (ml):			The second second	22.5	
1000	A STATE OF THE REAL PROPERTY O	the most at	The second second	The second second	and the second	
	RMAL analysis number:	18877-001	18877-005		18877-009	
	Measured uranium concentration (µg/ml):	2.45E+01		ETTAL INCLUS		
	Uncertainty in uranium concentration (µg/ml):	2.45E+00				
		1.39E-03			C.E. HORBERS	and the second second
	Uncertainty in weight uranium leached (g):					and the second second
	Equivalent number of leached kernels:	3.53E+00				
	Uncertainty in equivalent number of leached kernels:	3.57E-01				
		Total States	The Local Difference in the		and the second second	
	Measured concentration of impurity in sample (µg/ml):			Fe		and the state of the
Fe						
				01 W181 22		
		Post-burn leach solution (m):       B18111501       B18111901         total volume of leach solution (m):       56.8       62.5         RMAL analysis number:       18877-001       18877-005         ed uranium concentration (µg/m):       2.45E+01       1         in uranium concentration (µg/m):       2.45E+00       1         Weight uranium leached (g):       1.40E-04       1         valent number of leached kernels:       3.53E+00       1         valent number of leached kernels:       3.57E-01       1         ton of impurity in sample (µg/m):       Fe       1         weight of impurity in sample (µg/m):       Cr       1         weight of impurity in sample (µg):       0       1         weight of impurity in sample (µg):       0       1         weight of impurity in sample (µg):       0       0         weight of im		The sub-the state of the state of the		
Cr				the second s		A DECK DE LA DECK DE LA DECK
				Fe Fe Cr Mn Cr Mn Cr Co Co Co Al Ca Al		
				Mn		
		ected weight of impurity in sample (µg):         Weight of impurity in blank (µg):         ected weight of impurity in sample (µg):         weight of impurity in sample (µg):         weight of impurity in sample (µg):         ected weight of impurity in sample (µg):         weight of impurity in sample (µg):         ected weight of impurity in sample (µg):         weight of impurity in sample (µg):         ected weight of impurity in sample (µg):				
Mn			B18111901       W/         62.5			
	Minimum corrected weight of impurity in sample (µg):	Contraction of the last	5.0 0 0 0 0 0 0 0			
	Maximum corrected weight of impurity in sample (µg):			NAMES OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTIONO		
	Measured concentration of impurity in sample (µg/ml):	and the second second		Co		
	Uncorrected weight of impurity in sample (µg):			and the second		
Co	Weight of impurity in blank (µg):			and a start and a second		and the state of the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			100 m 1/14		
	Measured concentration of impurity in sample (µg/ml):			Ni	13 35T 03 1 4	
	Uncorrected weight of impurity in sample (µg):	1.3 × 1.7 5.12		Cast of the second second		
Ni		State Carte		a all a state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr Mn Co Co Ni Ca Al Ti		
Ca	Uncorrected weight of impurity in sample (µg):					the second second
Ca				and the second second	1	
	Maximum corrected weight of impurity in sample (µg):			A1		
				AI		Santa and the set
AL				Statement Party of		State of the state
~	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti				The Contraction of the		and the second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second second				
-	Measured concentration of impurity in sample (µg/ml):			V	and the second	
	Uncorrected weight of impurity in sample (µg):					
V	Weight of impurity in blank (µg):					a started
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the state of the

of 2nd leach

Comments

Leached in Vessel #31 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the first ICPMS analysis of B18111501. The first analysis results were rejected based on IDMS analysis.

Fred C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1508, 1510, 1501, 1533, 1519
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

1	Number of compacts:	5
	Average weight uranium per particle, mean value (g):	3.94E-04
	Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post hum least solution ID:			TULAI		
_	Post-burn leach solution ID:	B18111501	B18111901	A CONTRACTOR OF THE OWNER	W18111905	
	Total volume of leach solution (ml):	56.8	62.5		22.5	
1000	DMAL analysis symbols	10077-001	10077.005		10077.000	
	RMAL analysis number:	18877-001	18877-005	And States	18877-009	
	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml):	1.93E+01		C. Carlos and a state		
	Weight uranium leached (g):	9.64E-01				The second second second
	Uncertainty in weight uranium leached (g):	1.10E-03				and the second se
-	Equivalent number of leached kernels:	5.62E-05				
	Uncertainty in equivalent number of leached kernels:	2.78E+00				
Contraction in contraction of the	Oncertainty in equivalent number of leached kernels.	1.45E-01	No. of Concession, Name	State of the local division of the local div	The second second	
	Measured concentration of impurity in sample (µg/ml):			Fe	and the second se	
	Uncorrected weight of impurity in sample (µg):			Fe		the second s
Fe	Weight of impurity in blank (µg):			Contraction of the local division of the loc		A CONTRACTOR OF THE PARTY OF THE PARTY OF
ге	Minimum corrected weight of impurity in sample (µg):			Stand Stand Stand		
	Maximum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg/mi):			U		
Cr	Weight of impurity in sample (µg): Weight of impurity in blank (µg):	A THE OWNER		Contraction of the second		
	Minimum corrected weight of impurity in sample (µg):			and the second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			PIII		
Mn	Weight of impurity in blank (µg):			and the second of the second of the second se		A RANGE AND AND A REAL PROPERTY.
Part	Minimum corrected weight of impurity in sample (µg):			the state of the s		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Со		
	Uncorrected weight of impurity in sample (µg):			0		
Co	Weight of impurity in blank (µg):			and the second second		A CONTRACTOR DOCTOR
0	Minimum corrected weight of impurity in sample (µg):			and a start water to		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):	NUMBER OF STREET		Ni		
	Uncorrected weight of impurity in sample (µg):			141		
Ni	Weight of impurity in blank (µg):			THE REAL PROPERTY OF		A CONTRACTOR OF THE OWNER OWNER OF THE OWNER
	Minimum corrected weight of impurity in sample (µg):					
10-310	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			and the second		the second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			The second second		and the second
	Minimum corrected weight of impurity in sample (µg):				and the second second	
17 20 1	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			States Breaking	100	and the second sec
	Minimum corrected weight of impurity in sample (µg):	ALL				
	Maximum corrected weight of impurity in sample (µg):		Contraction of the			
	Measured concentration of impurity in sample (µg/ml):		Contraction of the last	V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):	1		the second second		and the state of the state
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		State Section			
	,,,,,,,, .					

Comments

Leached in Vessel #31 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the isotope dilution mass spectrometry analysis of B18111501.

Fred C. Mortgomery



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1503, 1518, 1505, 1534, 1521
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	[	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18111502	B18111902	and the second second second	W18111906	Street States and States Street Street
	Total volume of leach solution (ml):	57.4	60.3	State State - State - State	20.0	
California and		and in the second second	and the second second	And the second second	- The will a long	
	RMAL analysis number:	18877-002	18877-006	A Start Barrie	18877-010	
	Measured uranium concentration (µg/ml):	2.25E+01	1.00E-01	The Cale State State of the	3.43E-03	
	Uncertainty in uranium concentration (µg/ml):	2.25E+00	1.00E-02	and the formation of the	3.43E-04	
	Weight uranium leached (g):	1.29E-03	6.05E-06	1.30E-03	6.87E-08	N
	Uncertainty in weight uranium leached (g):	1.30E-04	6.08E-07	1.30E-04	7.22E-09	
	Equivalent number of leached kernels:	3.28E+00	1.53E-02	3.29E+00	1.74E-04	
	Uncertainty in equivalent number of leached kernels:	3.31E-01	1.55E-03	3.31E-01	1.84E-05	
the second		a special states	the second state of the		The second second	
	Measured concentration of impurity in sample (µg/ml):			Fe		the second second second
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			Franklike & Frankliker	(1955) (1956) (1956)	and the second of the second of the
	Minimum corrected weight of impurity in sample (µg):			SALA 70 使用		
	Maximum corrected weight of impurity in sample (µg):				1000	
	Measured concentration of impurity in sample (µg/ml):			Cr		The second states and second
	Uncorrected weight of impurity in sample (µg):					The second second
Cr	Weight of impurity in blank (µg):			State of the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				-	
	Measured concentration of impurity in sample (µg/ml):			Mn		Patrice Carden Port
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			and the Real Property and		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		and the start of the
Co	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			A REAL PROPERTY AND A REAL		the second s
0	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			INI		
Ni	Weight of impurity in blank (µg):					The subscription of the second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Са		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			in Stationte las		the second second second second
	Minimum corrected weight of impurity in sample (µg):	all and the				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		and the state of the
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):					All and the second second second
	Minimum corrected weight of impurity in sample (µg):		15.			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second second		Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			Contract and the		and a strange of a state for the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					A DE ANTINE TO THE PARTY OF
	Measured concentration of impurity in sample (µg/ml):			V		
v	Uncorrected weight of impurity in sample (µg):					the second s
v	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			STATES OF THE STATES OF		A STATE AND A STATE OF
	Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
	Plaximum corrected weight or impunity in sample (µg):					and a state of the second s

Leached in Vessel #32 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the second ICPMS analyses of B18111502. The first analysis results were rejected based on IDMS analysis.

Fied c. Montgomery



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1503, 1518, 1505, 1534, 1521
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18111502	B18111902		W18111906	
	Total volume of leach solution (ml):	57.4	60.3	Stand Stand Stand	20.0	
1.360		and the second s	States	the state of the s		
	RMAL analysis number:	18877-002	18877-006	and the second second	18877-010	
	Measured uranium concentration (µg/ml):	2.45E+01				
	Uncertainty in uranium concentration (µg/ml):	2.45E+00		No. AND STATE		
	Weight uranium leached (g):	1.41E-03				
	Uncertainty in weight uranium leached (g):	1.41E-04		Strate - Charles	2.2	And the second s
	Equivalent number of leached kernels:	3.57E+00				
8 - N	Uncertainty in equivalent number of leached kernels:	3.61E-01				
Elter		and the second second	A CONTRACTOR OF THE OWNER	A DECEMBER OF	Children and	
	Measured concentration of impurity in sample (µg/ml):	and the second a		Fe		a state of the state of the state of the
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	S. C. S. S. S. S. S.		Cr	1 - S - S - S - S - S - S - S - S - S -	and the second second second second
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			A STATISTICS		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		the state of the s
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			12 Start Print		
	Minimum corrected weight of impurity in sample (µg):			Provent and		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		and the state of the
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			Section of America America		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
Ni	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			and the second se		The Article of the Ar
NI I	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg/m):			Ca		
Ca	Weight of impurity in blank (µg):			and the second se		
	Minimum corrected weight of impurity in sample (µg):					
1	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
1.24	Uncorrected weight of impurity in sample (µg):			241		
AI	Weight of impurity in blank (µg):			A DECEMBER OF STREET		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	Statistics and the second		Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			The Contract of the State		
	Minimum corrected weight of impurity in sample (µg):			AL 18 - 24-		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		and the second
	Uncorrected weight of impurity in sample (µg):					
V	Weight of impurity in blank (µg):					and the deside of the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the second

Leached in Vessel #32 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the first ICPMS analysis of B18111502. The first analysis results were rejected based on IDMS analysis.

Fred C. Montgomery Operator



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1503, 1518, 1505, 1534, 1521
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2n
	Post-burn leach solution ID:	B18111502	B18111902	SCHOOL SCHOOL Z	W18111906	
	Total volume of leach solution (ml):	57.4	60.3	a section of the sect	20.0	
to and the		A STREET STREET, STREE	and the second	and the second second second	State State	
	RMAL analysis number:	18877-002	18877-006		18877-010	
	Measured uranium concentration (µg/ml):	2.28E+01			1	
	Uncertainty in uranium concentration (µg/ml):	1.14E+00		and the second second		
	Weight uranium leached (g):	1.31E-03				
	Uncertainty in weight uranium leached (g):	6.71E-05				
	Equivalent number of leached kernels:	3.32E+00				
	Uncertainty in equivalent number of leached kernels:	1.74E-01	La company to a			
200		and a second of	A 7/5	A Contract of the second		
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second states of the
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and the second sec		
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		and the second sec
Cr	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			Contraction of the local distance of the loc		and the second se
CI	Minimum corrected weight of impurity in sample (µg):			and the second second second		
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):		the second s	Mn		
	Uncorrected weight of impurity in sample (µg):			PIII		The second s
Mn	Weight of impurity in blank (µg):			THE REAL PROPERTY AND		The second second
	Minimum corrected weight of impurity in sample (µg):			and a state of the		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		
	Uncorrected weight of impurity in sample (µg):					and the second second second
Co	Weight of impurity in blank (µg):		2000	The second states and		
	Minimum corrected weight of impurity in sample (µg):	and the second second	2-1-1 X 1 X 1 X			
	Maximum corrected weight of impurity in sample (µg):	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):	129 F. P. R. S. D.				
Ni	Weight of impurity in blank (µg):					and the second second
	Minimum corrected weight of impurity in sample (µg):	Contraction of the		Carlos de las Carlos	The second second	
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		and the factor of the
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			The self of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second sec				
	Measured concentration of impurity in sample (µg/ml):			Al		the second starts of
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			and the second states		
	Minimum corrected weight of impurity in sample (µg):		and the second second second			
_	Maximum corrected weight of impurity in sample (µg):			1		
	Measured concentration of impurity in sample (µg/ml):			Ti		the second second and second second
	Uncorrected weight of impurity in sample (µg):			and the second second		
Ti	Weight of impurity in blank (µg):			and the state of the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			N		
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			V		and the state of the state of the state of the
v	Weight of impurity in blank (µg):			A STATISTICS OF A STATISTICS		The second state of the second state
v l	Minimum corrected weight of impurity in sample (µg):			the second s		
	Maximum corrected weight of impurity in sample (µg):					
	ravinum concerca neight of impuncy in sample (pg).					

nd leach

Leached in Vessel #32 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the isotope dilution mass spectrometry analysis of B18111502.

Fied C. Montgomery Operator



Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1537, 1535, 1540, 1502, 1509
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	ſ	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Deat hum least solution ID:			TULAI		
-	Post-burn leach solution ID:	B18111503	B18111903	Cardina and and a	W18111907	
-	Total volume of leach solution (ml):	59.5	61.9	Carl Start	20.0	
and the second	RMAL analysis number:	10077.002	10077 007	A STATE OF THE STATE	40077	
_	Measured uranium concentration (µg/ml):	18877-003	18877-007	STATISTICS STATISTICS	18877	
	Uncertainty in uranium concentration (µg/ml):	4.59E-01 4.59E-02	4.05E-03	The second second	2.25E-04	
-	Weight uranium leached (g):	2.73E-05	4.05E-04 2.50E-07	2.76E-05	2.25E-05 4.51E-09	N
	Uncertainty in weight uranium leached (g):	2.75E-05	2.52E-07	2.76E-05 2.75E-06	4.74E-10	N
	Equivalent number of leached kernels:	6.94E-02	6.36E-04	7.00E-02	1.14E-05	
_	Uncertainty in equivalent number of leached kernels:	7.01E-02	6.42E-05	7.02E-02	1.14E-05 1.21E-06	
25.20	Oncertainty in equivalent number of reached kernels.	7.012-03	0.422-03	7.022-03	1.212-00	
Contraction in the	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):			ге		and the second
Fe	Weight of impurity in blank (ug):			and the second second		and the second se
	Minimum corrected weight of impurity in sample (µg):			and the state of the state		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			CI		
Cr	Weight of impurity in blank (µg):			Contraction of the local division of the		And the second statement of the second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	and the second second		Mn		
	Uncorrected weight of impurity in sample (µg):			100		
Mn	Weight of impurity in blank (µg):			and the second second second		A CONTRACTOR OF THE OWNER OWNER OWNER OF THE OWNER OWN
1.111	Minimum corrected weight of impurity in sample (µg):		-			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
1.5	Uncorrected weight of impurity in sample (µg):			CO		
Co	Weight of impurity in blank (µg):			Contraction of the owner of		A CONTRACTOR OF A CONTRACTOR O
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			141		
Ni	Weight of impurity in blank (µg):			Contraction of the local division of the loc		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):					the second s
Ca	Weight of impurity in blank (µg):			A CONTRACTOR OF		the lot of the second second second
	Minimum corrected weight of impurity in sample (µg):		1000 C			
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	State Land Street	The second second	AI		
	Uncorrected weight of impurity in sample (µg):	Contraction of the second				
AI	Weight of impurity in blank (µg):	Same Markey Co		1 2 3 C11		and the second s
	Minimum corrected weight of impurity in sample (µg):					and the second
	Maximum corrected weight of impurity in sample (µg):	1 1 2 1 A A				
	Measured concentration of impurity in sample (µg/ml):	A STATE OF A		Ti		a shirt at the second second
	Uncorrected weight of impurity in sample (µg):				1	
Ti	Weight of impurity in blank (µg):	and the second second		State That I have		The second s
	Minimum corrected weight of impurity in sample (µg):		A DECEMBER OF THE OWNER			
	Maximum corrected weight of impurity in sample (µg):					a to the second state of the second state of the
	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):	A CONTRACTOR OF				
v	Weight of impurity in blank (µg):	The second second		Manual March		the share and the terms that
	Minimum corrected weight of impurity in sample (µg):	and the second second				the second s
	Maximum corrected weight of impurity in sample (µg):					

Leached in Vessel #33 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the second ICPMS analyses of B18111503. The first analysis results were rejected based on IDMS analysis.

Comments

Fred C. Montgomerry



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1537, 1535, 1540, 1502, 1509
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18111503	B18111903	Sector States and the	W18111907	
	Total volume of leach solution (ml):	59.5	61.9		20.0	
No. of Lot.	Total Volume of reach solution (m).	39.3	01.9	South Parties the	20.0	
	RMAL analysis number:	18877-003	18877-007	and the second second	18877	
	Measured uranium concentration (µg/ml):	5.45E-01	10077-007		100//	
	Uncertainty in uranium concentration (µg/ml):	5.45E-02		Construction of the		
	Weight uranium leached (q):	3.24E-05		and the second se		
-	Uncertainty in weight uranium leached (g):	3.26E-06				The second s
-	Equivalent number of leached kernels:	8.23E-02				
-	Uncertainty in equivalent number of leached kernels:	8.32E-02				
0.000	oncertainty in equivalent number of reactica kernels.	0.322-03	A REAL PROPERTY AND A	A REAL PROPERTY.	CORPORATION CONTRACTOR	
	Measured concentration of impurity in sample (µg/ml):		and the second se	Fe		
	Uncorrected weight of impurity in sample (µg):			re		Contrast Contrast of Contrast
Fe	Weight of impurity in blank (µg):			Providence and a series of		The second and the second second
	Minimum corrected weight of impurity in sample (µg):			The state of the s		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			CI		
Cr	Weight of impurity in blank (µg):			Contraction of the local division of the		A CONTRACTOR OF THE OWNER OF THE
- C.	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			PILL		
Mn	Weight of impurity in blank (µg):			Contraction of the local division of the loc		ANT STREET AND A ROLL.
1.111	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
	Uncorrected weight of impurity in sample (µg):			0		the second s
Co	Weight of impurity in blank (µg):			and the second second second		A REAL PROPERTY AND A REAL
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			141		
Ni	Weight of impurity in blank (µg):			ALC: Non State State		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second se		N 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):			Cu		the star internet and the start of the
Ca	Weight of impurity in blank (µg):					A to a second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):			<u>A</u>		
AI	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			and the second		and the second second second
	Minimum corrected weight of impurity in sample (µg):					
5.51	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		
1.1	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):					The second s
	Minimum corrected weight of impurity in sample (µg):					A State of the second s
	Maximum corrected weight of impurity in sample (µg):					
	indiana concecca neight of imparity in Sumple (pg).					

Comments

Leached in Vessel #33 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the first ICPMS analysis of B18111503. The first analysis results were rejected based on IDMS analysis.

Fred c. Montgomery Operator



Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1522, 1531, 1543, 1532, 1525
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18111504	B18111904	Contraction of the local distance	W18111908	
	Total volume of leach solution (ml):	59.3	62.3	and the second second	20.0	
Sec.		0010	0210	The Table Property in the second	2010	
	RMAL analysis number:	18877-004	18877-008		18877-012	
	Measured uranium concentration (µg/ml):	7.44E+00	4.19E-02	and the same friend of	8.84E-04	
	Uncertainty in uranium concentration (µg/ml):	7.44E-01	4.19E-03		8.84E-05	
	Weight uranium leached (g):	4.41E-04	2.61E-06	4.44E-04	1.77E-08	N
	Uncertainty in weight uranium leached (g):	4.44E-05	2.63E-07	4.44E-05	1.86E-09	a contract the state of the second
	Equivalent number of leached kernels:	1.12E+00	6.63E-03	1.13E+00	4.49E-05	
1	Uncertainty in equivalent number of leached kernels:	1.13E-01	6.70E-04	1.13E-01	4.74E-06	
		and the state of the	The second second	and the second second	and the second second	
	Measured concentration of impurity in sample (µg/ml):			Fe		the state of the second state of the second
	Uncorrected weight of impurity in sample (µg):					STATE AND AN AND AND
Fe	Weight of impurity in blank (µg):					the first 2 and the season
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			and the state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		-	Mn		a second and a second and the second s
	Uncorrected weight of impurity in sample (µg):					
Mn	Weight of impurity in blank (µg):			PROVIDE LAND		
	Minimum corrected weight of impurity in sample (µg):		and the second second			
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		A STATE AND IN ANY AND A STATE
Co	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			and the second se		
0	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):			INI		
Ni	Weight of impurity in blank (µg):			CONTRACTOR OF STREET, ST.		A MARKET STORAGE AND A SHERE
	Minimum corrected weight of impurity in sample (µg):					
1.52.11	Maximum corrected weight of impurity in sample (µg):		Charles and the second			
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Ca	Weight of impurity in blank (ug):			1 miles of the loss of		the second s
· 11	Minimum corrected weight of impurity in sample (µg):	The second second	and a start free start			
	Maximum corrected weight of impurity in sample (µg):	The second second				
	Measured concentration of impurity in sample (µg/ml):			AI		and the second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			and the state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		and the second sec
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			and the second	E.	
	Minimum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		
v	Uncorrected weight of impurity in sample (µg):			Contraction of the local division of the loc		
v	Weight of impurity in blank (µg):			and the set of the		and the second s
-	Minimum corrected weight of impurity in sample (µg):					and the state of the
	Maximum corrected weight of impurity in sample (µg):					

Leached in Vessel #30 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the second ICPMS analyses of B18111504. The first analysis results were rejected based on IDMS analysis.

Feed C. Montgomeey

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14154D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1522, 1531, 1543, 1532, 1525
DRF filename:	14154D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	and a second sec		TULAI		Include II > 10% of 2nd leach
_	Total volume of leach solution (ml):	B18111504	B18111904	and the second second	W18111908	
Conversion	Total volume of leach solution (mi):	59.3	62.3		20.0	
-	RMAL analysis number:	10077-004	10077.000	A start and a start of the	10077.012	
	Measured uranium concentration (µg/ml):	18877-004 8.57E+00	18877-008	man and a start way	18877-012	
-	Uncertainty in uranium concentration (µg/ml):	8.57E-01				
	Weight uranium leached (q):	5.08E-04		and the second second		a star was a star was a star of the
_	Uncertainty in weight uranium leached (g):	5.11E-05				CALL AND A REAL PROPERTY OF THE PARTY OF THE
	Equivalent number of leached kernels:	1.29E+00		and the second s		
	Uncertainty in equivalent number of leached kernels:	1.30E-01				
THE PARTY	oncertainty in equivalent number of reactica kernels.	1.302-01	A REAL PROPERTY OF THE PARTY OF	Statement of the second se	Contraction of the local division of the loc	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):	The second second		Fe		
Fe	Weight of impurity in blank (µg):			Contraction of the local division of the loc		The second second second second second
	Minimum corrected weight of impurity in sample (µg):					
1.25	Maximum corrected weight of impurity in sample (µg):					
1.00	Measured concentration of impurity in sample (µg/ml):			Cr		
1	Uncorrected weight of impurity in sample (µg):			01		
Cr	Weight of impurity in blank (µg):					2 States and a state of the sta
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			STATISTICS STATISTICS		State of the state
Mn	Weight of impurity in blank (ug):			The second second		Hardware and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		CALL AND THE REAL OF			
1.00	Measured concentration of impurity in sample (µg/ml):	Sector States in		Co		
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):	In the second second				
	Minimum corrected weight of impurity in sample (µg):					
1.	Maximum corrected weight of impurity in sample (µg):					and the second se
	Measured concentration of impurity in sample (µg/ml):		1998	Ni		A STATE OF THE STATE
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			and the second start		The second second second
	Minimum corrected weight of impurity in sample (µg):	Contract of the second				
	Maximum corrected weight of impurity in sample (µg):	E Part Part			second by the second	
	Measured concentration of impurity in sample (µg/ml):			Ca		
1.20	Uncorrected weight of impurity in sample (µg):		time to be the			
Ca	Weight of impurity in blank (µg):			and the second second		and the second of the second of the
	Minimum corrected weight of impurity in sample (µg):					and the state of the state of the state of
	Maximum corrected weight of impurity in sample (µg):					and the second second second
	Measured concentration of impurity in sample (µg/ml):	1		AI		the last of the state of the state
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):					a to the part of the same of the same
1 - 4	Minimum corrected weight of impurity in sample (µg):				San Lange and	and the state of the second second
_	Maximum corrected weight of impurity in sample (µg):					and the second second second second
	Measured concentration of impurity in sample (µg/ml):		and the second second	Ti		and the second state of the second
Ti	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg):	- Participant				and the second state of th
	Minimum corrected weight of impurity in sample (µg):					The second second second
	Maximum corrected weight of impurity in sample (µg):			V		the state the state of the state
	Measured concentration of impurity in sample (µg/ml):			V		
v	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			and the second se		and the second
•	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				-	A CONTRACT OF
	having confected weight of impunity in sample (µg):					

Leached in Vessel #30 (previously unused). FCM checked the recorded data against the official Results of Analysis for RMAL18877 on 3/21/2019. Shown is the result of the first ICPMS analysis of B18111504. The first analysis results were rejected based on IDMS analysis.

Fied C. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1659, 1648, 1670, 1655, 1662
DRF filename:	14155D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

Fe	Post-burn leach solution ID: Total volume of leach solution (ml): RMAL analysis number: Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml): Uncertainty in weight uranium leached (g): Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):	B18112801 59.5 18892-001 1.46E+01 1.46E+00 8.69E-04 8.74E-05 2.20E+00 2.23E-01	B18113001 61.5 18892-005 4.83E-02 4.83E-03 2.97E-06 2.99E-07 7.54E-03 7.62E-04	8.72E-04 8.74E-05 2.21E+00 2.23E-01 Fe	W18113005 20.0 1.52E-03 1.52E-04 3.04E-08 3.20E-09 7.72E-05 8.15E-06	
Fe	RMAL analysis number: Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g): Uncertainty in weight uranium leached (g): Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	18892-001 1.46E+01 1.46E+00 8.69E-04 8.74E-05 2.20E+00	18892-005 4.83E-02 4.83E-03 2.97E-06 2.99E-07 7.54E-03	8.74E-05 2.21E+00 2.23E-01	20.0 18892-009 1.52E-03 1.52E-04 3.04E-08 3.20E-09 7.72E-05	
Fe	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g): Uncertainty in weight uranium leached (g): Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in sample (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	1.46E+01 1.46E+00 8.69E-04 8.74E-05 2.20E+00	4.83E-02 4.83E-03 2.97E-06 2.99E-07 7.54E-03	8.74E-05 2.21E+00 2.23E-01	1.52E-03 1.52E-04 3.04E-08 3.20E-09 7.72E-05	
Fe	Measured uranium concentration (µg/ml): Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g): Uncertainty in weight uranium leached (g): Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in sample (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	1.46E+01 1.46E+00 8.69E-04 8.74E-05 2.20E+00	4.83E-02 4.83E-03 2.97E-06 2.99E-07 7.54E-03	8.74E-05 2.21E+00 2.23E-01	1.52E-03 1.52E-04 3.04E-08 3.20E-09 7.72E-05	
Fe	Uncertainty in uranium concentration (µg/ml): Weight uranium leached (g): Uncertainty In weight uranium leached (g): Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in sample (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	1.46E+00 8.69E-04 8.74E-05 2.20E+00	4.83E-03 2.97E-06 2.99E-07 7.54E-03	8.74E-05 2.21E+00 2.23E-01	1.52E-04 3.04E-08 3.20E-09 7.72E-05	
Fe	Weight uranium leached (g): Uncertainty in weight uranium leached (g): Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	8.69E-04 8.74E-05 2.20E+00	2.97E-06 2.99E-07 7.54E-03	8.74E-05 2.21E+00 2.23E-01	3.04E-08 3.20E-09 7.72E-05	
Fe	Uncertainty in weight uranium leached (g): Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	8.74E-05 2.20E+00	2.99E-07 7.54E-03	8.74E-05 2.21E+00 2.23E-01	3.20E-09 7.72E-05	
Fe	Equivalent number of leached kernels: Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	2.20E+00	7.54E-03	2.21E+00 2.23E-01	7.72E-05	
Fe	Uncertainty in equivalent number of leached kernels: Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):			2.23E-01		
Fe	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):	2.23E-01	7.62E-04	· Charles and	8.15E-06	
Fe	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):			Fe		
Fe	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):			Fe		
Fe	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					and the second of
Fe	Minimum corrected weight of impurity in sample (µg): Maximum corrected weight of impurity in sample (µg):					
_	Maximum corrected weight of impurity in sample (µg):			State of the second		
H	Measured concentration of impurity in sample (ug/ml):					
				Cr		and the second
	Uncorrected weight of impurity in sample (µg):					1000
Cr	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Mn		and the second with
Mn	Uncorrected weight of impurity in sample (µg):			the second second		
	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			and the second second second		
H	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		
H	Uncorrected weight of impurity in sample (µg/iii):			LO		Contractory of the second
Co	Weight of impurity in blank (µg):			and a state of the state of the		the second s
~ F	Minimum corrected weight of impurity in sample (µg):	the second second				
-	Maximum corrected weight of impurity in sample (µg):			and the second second		
	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					and the second states of
Ni	Weight of impurity in blank (µg):					Fred Transferration
-	Minimum corrected weight of impurity in sample (µg):	and the second second				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):	1.				
Ca	Weight of impurity in blank (µg):			The state		and and a set
	Minimum corrected weight of impurity in sample (µg):	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				
	Maximum corrected weight of impurity in sample (µg):				A CONTRACT A STATE	
	Measured concentration of impurity in sample (µg/ml):			AI		
	Uncorrected weight of impurity in sample (µg):					
	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	a second s		Ti		the state of the
	Uncorrected weight of impurity in sample (µg):					
TI	Weight of impurity in blank (µg):			and the second		
_	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	2				
-	Measured concentration of impurity in sample (µg/ml):			V		
-	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			Ser Store Al		
-	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				1	The state of the s

> 10% of 2nd leach

Ν

Comments

Leached in Vessel RB#2 (previously used for 14154D-Group 1 Clutch 1). FCM checked the recorded data against the official Results of Analysis for RMAL18892 on 3/21/2019.

Fied C. Montgomey Operator

4-18-2019

Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1673, 1666, 1656, 1675, 1668
DRF filename:	14155D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18112802	B18113002	and a start of the second	W18113006	
	Total volume of leach solution (ml):	59.0	63.8		20.0	
	A DESCRIPTION OF A DESC		and a state of the	- A State of the state	and the second second	
	RMAL analysis number:	18892-002	18892-006		18892-010	
1	Measured uranium concentration (µg/ml):	9.75E+00	3.82E-02	Carl Contraction	1.28E-03	
	Uncertainty in uranium concentration (µg/ml):	9.75E-01	3.82E-03	and the second second	1.28E-04	
	Weight uranium leached (g):	5.75E-04	2.44E-06	5.78E-04	2.56E-08	N
	Uncertainty in weight uranium leached (g):	5.79E-05	2.45E-07	5.79E-05	2.69E-09	the second states and the se
	Equivalent number of leached kernels:	1.46E+00	6.19E-03	1.47E+00	6.50E-05	
	Uncertainty in equivalent number of leached kernels:	1.48E-01	6.25E-04	1.48E-01	6.86E-06	
			the state of the state	and the second second	and the second second	
1111	Measured concentration of impurity in sample (µg/ml):			Fe		
1.5-21	Uncorrected weight of impurity in sample (µg):		Contraction (Contraction)			
Fe	Weight of impurity in blank (µg):			and the second second		and the second sec
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			1 116 BOLD BAR		
	Measured concentration of impurity in sample (µg/ml):			Cr		Elephone and an and a first
	Uncorrected weight of impurity in sample (µg):		ENT THE CALL IN DE			
Cr	Weight of impurity in blank (µg):			22 - Carlo Carl		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		COLUMN TO A DE LA COLUMN	Mn		
	Uncorrected weight of impurity in sample (µg):		11 EV. 19 CT			
Mn	Weight of impurity in blank (µg):			and the second second		
100	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		the set of the set of
	Uncorrected weight of impurity in sample (µg):					
Co	Weight of impurity in blank (µg):			and a start of the second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (μg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		The second second second second second
Ni	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			Contraction of the second		
INI	Minimum corrected weight of impurity in sample (µg):			The second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		
	Uncorrected weight of impurity in sample (µg):			Ld		
Ca	Weight of impurity in blank (µg):			The subscription of the su		A CONTRACTOR OF THE OWNER OWNER OWNER OF THE OWNER OWNE
cu	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Al		
	Uncorrected weight of impurity in sample (µg):					
AL	Weight of impurity in blank (µg):			State of the second second		a second and a second and a second and a
t t	Minimum corrected weight of impurity in sample (µg):	ALL PROPERTY OF				
t t	Maximum corrected weight of impurity in sample (µg):	ALC: NOT				
	Measured concentration of impurity in sample (µg/ml):	Contraction of the second		Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):	The second second	No. Provide	and second and the		and the second second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second		
	Minimum corrected weight of impurity in sample (µg):					
- F	Maximum corrected weight of impurity in sample (µg):					

#### Comments

Leached in Vessel RB#3 (previously used for 14154D-Group 1 Clutch 2). FCM checked the recorded data against the official Results of Analysis for RMAL18892 on 3/21/2019.

Fied C. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1669, 1657, 1661, 1649, 1650
DRF filename:	14155D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18112803	B18113003	Company of the owner of the	W18113007	
	Total volume of leach solution (ml):	60.3	63.0	a state of the second state	20.0	
Service of		00.5	05.0	The second second	20.0	
	RMAL analysis number:	18892-003	18892-007	and the second second second	18892-011	
	Measured uranium concentration (µg/ml):	8.20E+00	3.49E-02	Salt States	1.49E-03	
	Uncertainty in uranium concentration (µg/ml):	8.20E-01	3.49E-03	The state of the second	1.49E-04	
	Weight uranium leached (g):	4.94E-04	2.20E-06	4.97E-04	2.98E-08	N
	Uncertainty in weight uranium leached (g):	4.97E-05	2.21E-07	4.97E-05	3.13E-09	and the second state of th
	Equivalent number of leached kernels:	1.25E+00	5.58E-03	1.26E+00	7.56E-05	
	Uncertainty in equivalent number of leached kernels:	1.27E-01	5.64E-04	1.27E-01	7.99E-06	
12.24			and the second second			
	Measured concentration of impurity in sample (µg/ml):			Fe		and the second second second
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		is a second to have not
	Uncorrected weight of impurity in sample (µg):					
Cr	Weight of impurity in blank (µg):			a state of the state of the		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	The second second		Mn		a second the second of the second of
Mn	Uncorrected weight of impurity in sample (µg):			Conception of the local division of the loca		
PIII	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):	and the second sec				
	Measured concentration of impurity in sample (µg/ml):			60		
	Uncorrected weight of impurity in sample (µg):			Co		
Co	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
-	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					a series a sector of the sector is the sector of the
Ni	Weight of impurity in blank (µg):					ACCOUNT OF THE PARTY OF THE OWNER
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		1. 2			
	Measured concentration of impurity in sample (µg/ml):	Design of the second		Ca		
	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):			Spining Strangenting		1 Mar Charles Martin
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):				a the state of the state of the	
	Measured concentration of impurity in sample (µg/ml):			AI		and the second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			the states		
	Minimum corrected weight of impurity in sample (µg):				1	and the second second second second
	Maximum corrected weight of impurity in sample (µg):			Construction of the second		Property and the second states and the
	Measured concentration of impurity in sample (µg/ml):			Ti		The second second second second second
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (µg):			Martin and State		Contraction of the second
	Minimum corrected weight of impurity in sample (µg):					The second second second
	Maximum corrected weight of impurity in sample (µg):					the second second
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			v		and the second second
v	Weight of impurity in blank (µg):			and the second se		and the second sec
v -	Minimum corrected weight of impurity in sample (µg):			and the second		and the second states of the second
	Maximum corrected weight of impurity in sample (µg):					and the second second second second
	reastruit conceled weight of impulity in sample (µg).					and the second of the second of the second of the

#### Comments

Leached in Vessel RB#11 (previously used for 14154D-Group 1 Clutch 3). FCM checked the recorded data against the official Results of Analysis for RMAL18892 on 3/21/2019.

Fied c. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1663, 1654, 1646, 1643, 1667
DRF filename:	14155D_PF40-Group 1_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

Include if > 10% of 2nd leach

Ν

		First Leach	Second Leach	Total	Water rinse
	Post-burn leach solution ID:	B18112804	B18113004		W18113008
	Total volume of leach solution (ml):	59.5	64.5	- Star and a start of the	20.0
CT CALL		0010	0 110		The second second
-	RMAL analysis number:	18892-004	18892-008		18892-012
	Measured uranium concentration (µg/ml):	1.41E+01	6.06E-02	- La series - Content	1.36E-03
	Uncertainty in uranium concentration (µg/ml):	1.41E+00	6.06E-03	a state of the second	1.36E-04
	Weight uranium leached (g):	8.39E-04	3.91E-06	8.43E-04	2.72E-08
	Uncertainty in weight uranium leached (g):	8.44E-05	3.93E-07	8.44E-05	2.86E-09
	Equivalent number of leached kernels:	2.13E+00	9.92E-03	2.14E+00	6.90E-05
	Uncertainty in equivalent number of leached kernels:	2.15E-01	1.00E-03	2.15E-01	7.29E-06
12/2-		Terres al 1991		and the second second	The state of the
	Measured concentration of impurity in sample (µg/ml):			Fe	
_	Uncorrected weight of impurity in sample (µg):				
Fe	Weight of impurity in blank (µg):			and the second s	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):			0	
	Measured concentration of impurity in sample (µg/ml):			Cr	
Cr	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):				
CI	Minimum corrected weight of impurity in sample (µg):			And and a second se	
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Mn	
	Uncorrected weight of impurity in sample (µg):				
Mn	Weight of impurity in blank (µg):			V States of States	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):	The second second second		Со	Provide states
	Uncorrected weight of impurity in sample (µg):				
Co	Weight of impurity in blank (µg):			The production	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Ni	
	Uncorrected weight of impurity in sample (µg):			and the second second	
Ni	Weight of impurity in blank (µg):			The Start Start William	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			Са	
	Uncorrected weight of impurity in sample (µg):			La	
Ca	Weight of impurity in blank (µg):			State Barbart	
	Minimum corrected weight of impurity in sample (µg):	3 - 2 - 1 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	1.		
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			AI	
	Uncorrected weight of impurity in sample (µg):				
AI	Weight of impurity in blank (µg):			Eller and the search	
	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	Measured concentration of impurity in sample (µg/ml):			Ti	
	Uncorrected weight of impurity in sample (µg):				
Ti	Weight of impurity in blank (µg):			and the second second	
	Minimum corrected weight of impurity in sample (µg):	11000			
	Maximum corrected weight of impurity in sample (µg):			V	
	Measured concentration of impurity in sample (µg/ml):			v	
v	Uncorrected weight of impurity in sample (µg): Weight of impurity in blank (µg):			and the second second	
v	Minimum corrected weight of impurity in sample (µg):				
	Maximum corrected weight of impurity in sample (µg):				
	ruxinum concecca weight of imparity in sample (pg).				

#### Comments

Leached in Vessel FB#2 (previously used for 14154D-Group 1 Clutch 4). FCM checked the recorded data against the official Results of Analysis for RMAL18892 on 3/21/2019.

Fied c. Montgomery

4-18-2019

Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1658, 1674, 1671, 1653, 1640
DRF filename:	14155D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

	I	First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18120603	B18121101		W18121105	
	Total volume of leach solution (ml):	60.0	65.0	CARL AND STORY	20.0	
A. State		00.0	05.0	A STATE OF THE STATE OF	20.0	
	RMAL analysis number:	18909-001	18909-005		18909-009	
	Measured uranium concentration (µg/ml):	6.62E+00	3.17E-02	a line to set and	5.82E-04	
	Uncertainty in uranium concentration (µg/ml):	6.62E-01	3.17E-03		5.82E-05	
	Weight uranium leached (g):	3.97E-04	2.06E-06	3.99E-04	1.16E-08	N
6	Uncertainty in weight uranium leached (g):	4.00E-05	2.07E-07	4.00E-05	1.22E-09	Contraction of the second s
	Equivalent number of leached kernels:	1.01E+00	5.23E-03	1.01E+00	2.95E-05	
	Uncertainty in equivalent number of leached kernels:	1.02E-01	5.28E-04	1.02E-01	3.12E-06	
Plane.			DILOL OI	THOLE OF	STILL 00	
	Measured concentration of impurity in sample (µg/ml):	State of the local division of the local div		Fe		
	Uncorrected weight of impurity in sample (µg):					
Fe	Weight of impurity in blank (µg):			and the second second	and the second sec	and the second se
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
1 - E - E - E - E - E - E - E - E - E -	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):					the second s
Cr	Weight of impurity in blank (µg):					a support of the second second
	Minimum corrected weight of impurity in sample (µg):		Les and the second second			
	Maximum corrected weight of impurity in sample (µg):		Carlo Carlo			
	Measured concentration of impurity in sample (µg/ml):		CONF. CARE	Mn		
	Uncorrected weight of impurity in sample (µg):		States and South			
Mn	Weight of impurity in blank (µg):			And the second second		All and the second states and the
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Со		and the second second second
	Uncorrected weight of impurity in sample (µg):		and the state	Next Editors Test		
Co	Weight of impurity in blank (µg):	22451V257		A CARLES		
	Minimum corrected weight of impurity in sample (µg):			The second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ni		and the second sec
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			and the state of the		
	Minimum corrected weight of impurity in sample (µg):	and the second second				
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		and the second provide the second
Ca	Uncorrected weight of impurity in sample (µg):					
La	Weight of impurity in blank (µg):			and the second second	1	
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg): Measured concentration of impurity in sample (µg/ml):			A1		
	Uncorrected weight of impurity in sample (µg/mi):			AI		
AI	Weight of impurity in blank (µg):			COLUMN TWO IS NOT		A REAL PROPERTY AND A REAL
~	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ti		
	Uncorrected weight of impurity in sample (µg):					
Ti	Weight of impurity in blank (ug):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		A CONTRACTOR OF			The second s
	Measured concentration of impurity in sample (µg/ml):	Constant of the second second		V		
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			Constant and		
	Minimum corrected weight of impurity in sample (µg):					here a called a set of the
	Maximum corrected weight of impurity in sample (µg):					

**Comments** 

Leached in Vessel #31 (previously used for 14154D-Group 2 Clutch 5). FCM checked the recorded data against the official Results of Analysis for RMAL18909 on 3/21/2019.

Fred C. Montgomery

4-18-2019

Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1652, 1641, 1644, 1642, 1665
DRF filename:	14155D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd leach
	Post-burn leach solution ID:	B18120604	B18121102		W18121106	
	Total volume of leach solution (ml):	57.5	62.5		20.0	
000000		5715	0LID	The second second	2010	
	RMAL analysis number:	18909-002	18909-006		18909-010	
-	Measured uranium concentration (µg/ml):	1.05E+01	4.94E-02	Contraction in the second	6.97E-04	
	Uncertainty in uranium concentration (µg/ml):	1.05E+00	4.94E-03	The second states and the	6.97E-05	
	Weight uranium leached (g):	6.04E-04	3.09E-06	6.07E-04	1.39E-08	N
	Uncertainty in weight uranium leached (g):	6.08E-05	3.10E-07	6.08E-05	1.47E-09	the second s
	Equivalent number of leached kernels:	1.53E+00	7.84E-03	1.54E+00	3.54E-05	
	Uncertainty in equivalent number of leached kernels:	1.55E-01	7.92E-04	1.55E-01	3.74E-06	
12200	oncertainty in equivalent hamber of reached itemets	1.552 01	7.522 04	1.552 01	5.742 00	
	Measured concentration of impurity in sample (µg/ml):			Fe		
	Uncorrected weight of impurity in sample (µg):					and the second s
Fe	Weight of impurity in blank (µg):			A CONTRACTOR OF THE REAL		
	Minimum corrected weight of impurity in sample (µg):			The second second second second		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Cr		
	Uncorrected weight of impurity in sample (µg):			CI		
Cr	Weight of impurity in blank (µg):			No. of Concession, Name		The second s
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
				Mn		
- H	Measured concentration of impurity in sample (µg/ml):			MN		and some the state of the state of the
Mn	Uncorrected weight of impurity in sample (µg):					and the second se
Mn -	Weight of impurity in blank (µg):					
-	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Co		and the second sec
	Uncorrected weight of impurity in sample (µg):			Contraction of the local division of the loc		
Co	Weight of impurity in blank (µg):					
F	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
L L	Measured concentration of impurity in sample (µg/ml):			Ni		And I want and the state of the second
	Uncorrected weight of impurity in sample (µg):					and the second se
Ni	Weight of impurity in blank (µg):					
F	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca		and the second second and the first of the second s
- H	Uncorrected weight of impurity in sample (µg):					
Ca	Weight of impurity in blank (µg):					
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		And the second second second second second
. F	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			And a second		
L	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):		And the second s			
	Measured concentration of impurity in sample (µg/ml):	Constant of the Constant		Ti		the state of the second
	Uncorrected weight of impurity in sample (µg):	State in the second		- month in the		
Ti	Weight of impurity in blank (µg):	and the second second		the second second		
L	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):	a state to the second		V		and the second of the second second
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the state of the state		A CALL AND A
	Minimum corrected weight of impurity in sample (µg):					- the second second second
	Maximum corrected weight of impurity in sample (µg):					the second states of the second states and

### Comments

Leached in Vessel #32 (previously used for 14154D-Group 2 Clutch 6). FCM checked the recorded data against the official Results of Analysis for RMAL18909 on 3/21/2019.

Fred c. Montgomery

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1645, 1651, 1677, 1664, 1672
DRF filename:	14155D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

		First Leach	Second Leach	Total	Water rinse	Include if > 10% of 2nd
	Post-burn leach solution ID:	B18120605	B18121103	The Contraction	W18121107	
	Total volume of leach solution (ml):	59.0	63.5	and the second	20.0	
6		N. 11 . 2		The same of the same same	all and the second	
-	RMAL analysis number:	18909-003	18909-007	A CONTRACT	18909-011	
	Measured uranium concentration (µg/ml):	1.93E+01	9.18E-02	States in the second	1.50E-03	
	Uncertainty in uranium concentration (µg/ml):	1.93E+00	9.18E-03	and the second	1.50E-04	and the second second
_	Weight uranium leached (g):	1.14E-03	5.83E-06	1.14E-03	3.00E-08	N
	Uncertainty in weight uranium leached (g):	1.15E-04	5.86E-07	1.15E-04	3.15E-09	
-	Equivalent number of leached kernels:	2.89E+00	1.48E-02	2.90E+00	7.61E-05	
and other states	Uncertainty in equivalent number of leached kernels:	2.92E-01	1.49E-03	2.92E-01	8.04E-06	
1000	Menoused experimetics of imposite to experime (or (or ))	and the part of the				
	Measured concentration of impurity in sample (µg/ml): Uncorrected weight of impurity in sample (µg):			Fe		and the second s
Fe				and and a second second second second		
re	Weight of impurity in blank (µg): Minimum corrected weight of impurity in sample (µg):			Carton Faller 12 TX		
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			C		
	Uncorrected weight of impurity in sample (µg):			Cr		A CARDON & MARKED & CONTRACTOR OF AN
Cr	Weight of impurity in blank (µg):			The second second		A REAL PROPERTY AND ADDRESS OF ADDRESS OF ADDRESS ADDR
0.	Minimum corrected weight of impurity in sample (µg):			and the second real of the		
-	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Mn		
	Uncorrected weight of impurity in sample (µg):			MII		algert the Electric all the first of the
Mn	Weight of impurity in blank (µg):			and the second second second		and the second
	Minimum corrected weight of impurity in sample (µg):					
1.1	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):		2 - 2 - 2 - 2 - 2	Со		
	Uncorrected weight of impurity in sample (µg):			0		Contraction of the second second
Co	Weight of impurity in blank (µg):			North Contraction of the		CONTRACT OF A DESCRIPTION OF A DESCRIPTI
	Minimum corrected weight of impurity in sample (µg):			and the second second second second		
	Maximum corrected weight of impurity in sample (µg):					
line and	Measured concentration of impurity in sample (µg/ml):			Ni		
	Uncorrected weight of impurity in sample (µg):					
Ni	Weight of impurity in blank (µg):			The second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			Ca	and a state of the	
	Uncorrected weight of impurity in sample (µg):	State of the state				
Ca	Weight of impurity in blank (µg):			and the second second		Called and the second state
a 13	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
	Measured concentration of impurity in sample (µg/ml):			AI		and the second second second second
	Uncorrected weight of impurity in sample (µg):					
AI	Weight of impurity in blank (µg):			22-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		and the second second
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):			11111	1	
	Measured concentration of impurity in sample (µg/ml):	and the second	a second s	Ti		on the second of the second
	Uncorrected weight of impurity in sample (µg):	Sec. 2.				
Ti	Weight of impurity in blank (µg):			a serie and		
1 1 1	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					
ł	Measured concentration of impurity in sample (µg/ml):			V		and the second second
	Uncorrected weight of impurity in sample (µg):					
v	Weight of impurity in blank (µg):			and the second second		
	Minimum corrected weight of impurity in sample (µg):					
	Maximum corrected weight of impurity in sample (µg):					and the state of the state of the

leach

### Comments

Leached in Vessel #33 (previously used for 14154D-Group 2 Clutch 7). FCM checked the recorded data against the official Results of Analysis for RMAL18909 on 3/21/2019.

Fred c. Montgomery Operator

4-18-2019 Date

Procedure:	AGR-CHAR-DAM-26 Rev. 3
Operator:	Montgomery
Compact lot ID:	BWXT J52R-16-14155D
Compact lot description:	AGR-5/6/7 compacts, 40% packing fraction
Compact ID numbers:	1679, 1647, 1676, 1678, 1660
DRF filename:	14155D_PF40-Group 2_BL_ICPMS_DRF26R3.xls

Number of compacts:	5
Average weight uranium per particle, mean value (g):	3.94E-04
Average weight uranium per particle, uncertainty in mean (g):	3.94E-06

Post-burn leach solution ID:         B18120606         B18121104           Total volume of leach solution (m):         59,5         65,0           RMAL analysis number:         18909-004         18909-008           Measured uranium concentration (µg/m):         5.51E-01         4.81E-03         5.21E-05           Uncertainty in uranium concentration (µg/m):         5.51E-01         4.81E-03         5.21E-05           Uncertainty in weight uranium leached (g):         3.30E-06         3.14E-08         3.30E-06           Uncertainty in equivalent number of leached kernels:         8.32E-02         7.94E-04         8.40E-02           Uncertainty in equivalent number of leached kernels:         8.31E-05         8.41E-03         2.79E-06           Measured concentration of impurity in sample (µg):         Fe         2.79E-06         2.79E-06           Measured concentration of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):         Fe         2.79E-06           Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):         Fe         2.79E-06           Measured concentration of impurity in sample (µg):         Mn         Maximum corrected weight of impurity in sample (µg):         Fe           Maximum corrected weight of impurity in sample (µg):         Mn         Mn <td< th=""><th>&gt; 10% of 2nd leach</th></td<>	> 10% of 2nd leach
Total volume of leach solution (m1):       59.5       65.0         RMAL analysis number:       18909-004         RMAL analysis number:       18909-008         Measured uranium concentration (µg/m1):       5.51E-01       4.81E-03         Uncertainty in uranium concentration (µg/m1):       5.51E-02       4.81E-04         Weight uranium cached (g):       3.28E-05       3.13E-07       3.31E-05         Uncertainty in weight uranium leached (g):       3.28E-02       7.94E-04       8.40E-02       2.64E-05         Uncertainty in equivalent number of leached kernels:       8.32E-02       7.94E-04       8.40E-02       2.64E-05         Uncorrected weight of impurity in sample (µg/m1):       Fe       Fe       S.79E-06       2.79E-06         Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):       Fe       S.77E-06         Maximum corrected weight of impurity in sample (µg):       Mn       Mn       Mn       Mn         Munorrected weight of impurity in sample (µg):       Mn       S.77E-01       S.77E-01         Maximum corrected weight of impurity in sample (µg):       Mn       S.77E-06       S.77E-06         Maximum corrected weight of impurity in sample (µg):       Mn       S.77E-06       S.77E-06       S.77E-06       <	N
RMAL analysis number:       18909-004       18909-008         Measured uranium concentration (µg/ml):       5.51E-01       4.81E-03         Uncertainty in uranium concentration (µg/ml):       5.51E-02       4.81E-03         Weight uranium leached (g):       3.30E-06       1.04E-08         Uncertainty in weight uranium leached (g):       3.30E-06       1.04E-08         Uncertainty in equivalent number of leached kernels:       8.32E-02       7.94E-04       8.40E-02         Uncertainty in equivalent number of leached kernels:       8.32E-02       7.94E-04       8.40E-02         Uncertainty in equivalent number of leached kernels:       8.32E-02       7.94E-04       8.40E-02         Measured concentration of impurity in sample (µg/ml):       Fe       2.64E-05       2.79E-06         Measured concentration of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Mn       Maximum corrected weight of impurity in sample (µg):       Mn         Maximum corrected weight of impurity in sample (µg):       Mn       Maximum corrected weight of impurity in sample (µg):       Mn         Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg): </td <td>N</td>	N
Measured uranium concentration (µg/ml):       5.51E-01       4.81E-03         Uncertainty in uranium concentration (µg/ml):       5.51E-02       4.81E-04         Weight uranium leached (g):       3.28E-05       3.13E-07         Uncertainty in weight uranium leached (g):       3.30E-06       3.14E-08         Uncertainty in weight uranium leached (g):       3.30E-06       3.14E-08         Uncertainty in equivalent number of leached kernels:       8.32E-02       7.94E-04       8.40E-02         Uncertainty in equivalent number of leached kernels:       8.41E-03       8.01E-05       8.41E-03         Uncertainty in equivalent number of leached kernels:       8.41E-03       8.01E-05       2.64E-05         Uncertainty in gample (µg/ml):       Fe       Fe       S.21E-04       2.64E-05         Uncertainty in sample (µg/ml):       Fe       S.21E-04       2.64E-05       2.79E-06         Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):       Maximum corrected weight of impurity in sample (µg):       Mn         Maximum corrected weight of impurity in sample (µg):       Mn       Mn       Mn         Uncorrected weight of impurity in sample (µg):       Mn       Mn       Mn       Mn         Maximum corrected weight of impurity in sample (µg):       Mn       Mn<	N
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Uncertainty in uranium concentration (µg/ml):       5.51E-02       4.81E-04         Weight uranium leached (g):       3.32E-05       3.31E-07       3.31E-05         Uncertainty in weight uranium leached (g):       3.32E-06       3.14E-08       3.30E-06         Equivalent number of leached kernels:       8.32E-02       7.94E-04       8.40E-02       2.64E-05         Uncertainty in equivalent number of leached kernels:       8.41E-03       8.01E-05       8.41E-03         Uncertainty in equivalent number of leached kernels:       8.41E-03       8.01E-05       2.79E-06         Uncertainty in equivalent number of leached kernels:       8.41E-03       8.01E-05       2.79E-06         Weight of impurity in sample (µg/ml):         Fe         Weight of impurity in sample (µg/ml):         Measured concentration of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):         Maximum corrected weight of impurity in sample (µg):       Mn         Maximum corrected weight of impurity in sample (µg):       Mn         Maximum corrected weight of impurity in sample (µg):       Mn         Maximum corrected weight of impurity in sample (µg):       Mn         Maximum corrected weight of impurity in sa	N
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Comments

Leached in Vessel #30 (previously used for 14154D-Group 2 Clutch 8). FCM checked the recorded data against the official Results of Analysis for RMAL18909 on 3/21/2019.

Fied C. Montgomery

