HALEY & ALDRICH, INC.
465 Medford St.
Suite 2200
Boston, MA 02129
617.886.7400

TECHNICAL MEMORANDUM

17 May 2024
File No. 131884-003

TO: *de maximis, inc.*
Bruce Thompson

FROM: Haley & Aldrich, Inc.
Evelyn Randazzo, Geologist
Mark D. Kelley, P.E., Senior Hydrogeologist

SUBJECT: Nuclear Metals, Inc.
Soil Pre-characterization Memorandum – Building E and Courtyard Area
Concord, Massachusetts

The purpose of this memorandum is to summarize soil pre-characterization data collected during subsurface exploration programs conducted within and around the former footprint of Building E and within the former Courtyard Area for the Nuclear Metals, Inc. (NMI) site located in Concord, Massachusetts (Site). Pre-characterization sampling was conducted across these areas to verify that the designed remediation will reduce contaminants of concern (COCs) to exposure point concentrations (EPCs) that will achieve compliance with the Record of Decision (ROD) cleanup levels. Data collected will be used to help refine design excavation elevations within the Courtyard Area and determine whether soil removed from Building E will be disposed of off Site or reused on Site. These investigations were performed in accordance with the *Enabling Phase Remedial Activities 100% Design* document and were approved in the partial approval issued by the U.S. Environmental Protection Agency (EPA) on 6 June 2023.

SOIL PRE-CHARACTERIZATION PROGRAMS

A description of the soil pre-characterization program is provided below. Haley & Aldrich, Inc. (Haley & Aldrich) observed and logged the advancement of 42 test locations by Northern Drill Service, Inc. during one mobilization from 12 April through 8 May 2023. Samples were collected using a Geoprobe 6620 DT to a depth of approximately 20 feet below ground surface (bgs) at each location. Geoprobe logs are enclosed as Attachment A.

Analytical samples were collected at each location in 2-foot intervals, in accordance with the Site Quality Assurance Project Plan (QAPP) and Field Sampling Plan (FSP). A total of 438 soil samples (including duplicates) were submitted to Alpha Analytical Labs (Alpha) of Westborough, Massachusetts, for the analysis of polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270E and polychlorinated

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biphenyls (PCBs) by EPA Method 8082A. Samples were also sent to GEL Laboratories, LLC (GEL) of Charleston, South Carolina, for the analysis of total arsenic, thorium, uranium-235, and uranium-238 using EPA Method 6020B. PAH, PCB, and total solids samples were screened for radioactive materials using a handheld X-ray fluorescence (XRF) spectrometer at the on-Site uranium lab prior to transfer to Alpha. XRF screenings were performed by the on-Site Radiation Safety Officer, Decontamination Decomissioning and Environmental Services, LLC (DDES). A letter regarding radiation screening for soil and groundwater samples from DDES is included in Attachment B of this memorandum.

Samples detected with uranium concentrations above Alpha's acceptance limit were sent to GEL for analysis of PAHs by EPA Method 8270, PCBs by EPA Method 8082A, and total solids analysis. If uranium concentrations were detected above 28 milligrams per kilogram (mg/kg) (11.407 picocuries per gram [pCi/g]), the samples were submitted to GEL since they possess a Radioactive Materials License. Soil samples analyzed at Alpha for PCB, PAH, and total solids analysis include an "L" prefix in the laboratory sample IDs provided in Tables I and II, while analyses performed by GEL include numeric laboratory sample IDs only. PAH results reported by GEL include the full suite of PAH and phthalate method target analytes, while PAHs analyzed at Alpha only include compounds for which Site soil cleanup criteria apply. The XRF spectrometer was utilized solely to determine whether uranium was present at levels which would require a Radioactive Materials License for analytical testing. The XRF results were not used to identify soils acceptable for on-Site reuse or off-Site disposal. All laboratory-generated data is in the process of being validated in accordance with the procedures described in the QAPP.

All work was conducted in accordance with the existing Site documents, including the *Remedial Design Work Plan* (RDWP) completed for Pre-Design Investigations (approved September 2020), *Enabling Phase Remedial Activities 100% Design*, Health and Safety Plans (HASPs), and the relevant 40 Code of Federal Regulations (CFR) Part 761 sections.

Site Preparation, Decontaminations, and Restoration

Geoprobe locations on the existing building slab of the former Building E were cored using a concrete corer. Each core was left in the core hole until the Geoprobe was advanced at each location and then replaced following the completion of sampling.

Field equipment was decontaminated in accordance with 40 CFR §761.79 – Decontamination Standards and Procedures. In accordance with 40 CFR §761.79 (c)(2), a double-wash/rinse was used in lieu of swabbing surfaces. When a double-wash could not be completed, surfaces were either swabbed and analyzed for uranium contamination at the on-Site laboratory or scanned for uranium using a handheld radiation survey meter (sodium iodide detector) before exiting the Area of Interest (AOI).

Vehicles and equipment used within the work zone were decontaminated within a designated decontamination or wash area. Cleaners derived from decontamination activities were captured and contained within the designated wash area in accordance with 40 CFR §761.366 – Cleanup Equipment. Water and solids collected during decontamination procedures were disposed of in accordance with Section 02 61 00 – Waste Management, and the Transportation & Disposal Plan.

Following the completion of each pre-characterization program, excess soil and investigation-derived waste were disposed of in a hopper which was routinely emptied into the Excavated Material Processing Area for off-Site disposal in accordance with the Waste Management, and Transportation & Disposal Plan throughout the course of the program. Holes in the building slab produced by concrete coring were sealed with bentonite after each exploration was completed. Locations not on the building slab were backfilled with filter sand and marked with wooden stakes.

Building E

Thirty-six of the 42 Geoprobe locations were completed on a 30-foot by 30-foot grid within the footprint of the former Building E. Four fully sized sample grid cells and 10 border grid cells were not sampled due to refusal encountered in those areas. Additional attempts to collect samples in those cells were not completed, as sample density is considered sufficient for pre-characterization and remedial design. Material excavated within uncharacterized grid cells will be disposed of off Site.

Analytical results from the Building E pre-characterization sampling program and previous sampling events are presented on Table I. Sample locations and analytical results for each sample depth interval are presented on the C-401 Figure set attached. Each C-401 Figure represents a different sampling depth interval, and each cell is color-coded to represent COC concentrations above or below the ROD cleanup levels. The COCs (uranium, PAHs, PCBs, thorium, and arsenic) concentrations are only presented on the figures where concentrations exceed the ROD cleanup levels. Figure C-401-1 includes sample results for historical pre-characterization programs conducted within the Building E footprint. Historical sample results and results from the 2023 pre-characterization program were used to develop grading plans for the Building E remedial excavation included in the *Remedial Action Work Plan, Phase 1 – Courtyard, Landfill, Sphagnum Bog, Cooling Pond, and Building E* report (Phase 1 RAWP), dated 16 April 2024, and conditionally approved by EPA on 23 April 2024.

The result of the pre-characterization program at Building E indicates that the soil beneath the Building E floor slab is generally not suitable for reuse on Site to a depth of at least 20 feet below the slab. Every cell contains an exceedance of the ROD cleanup levels in at least one sample interval, and several cells contain exceedances in all sample intervals. There is no grouping of cells with COC concentrations below ROD cleanup level goals ("clean" cells) at any given depth that would warrant large-scale surgical excavation for reusable soil. Excavated material will be temporarily stockpiled in the Excavated Material Processing Area for later off-Site disposal in accordance with the Transportation and Off-Site Disposal Plan. Proposed remedial excavation grades and confirmatory sampling plans are included in the Phase 1 RAWP and the revised Appendix A, Attachment A2 construction drawings of the *100% Design – Site-Wide Sediment and Soils Phase 1 – Courtyard, Landfill, Sphagnum Bog, and Cooling Pond Design* (100% SSS Phase 1 RD), submitted to EPA on 30 April 2024 as an Addendum, and approved by EPA on 1 May 2024.

As outlined in the Phase 1 RAWP, soils within the Building E footprint are proposed to be excavated to 12 feet below the building floor slab and disposed of off-Site. Courtyard and Building E excavations will be completed over four stages of excavation, as shown in Drawings C-402 through C-405 of Appendix B and Attachment A2 of the Phase 1 RAWP and 100% SSS Phase 1 RD, respectively. Proposed excavation volumes for each phase of excavation are also included in these construction drawings. Proposed

excavations within the Building E footprint were established based on removal of ROD cleanup level exceedances. Therefore, Remedial Action Levels (RALs) are not required for the Building E area. Excavated material is not proposed for on-Site reuse. ROD cleanup level exceedances detected at depths greater than 12 feet are proposed to remain in place with the implementation of an Institutional Control (IC) on the Building E area and confirmatory sampling will be conducted as necessary to establish 10 feet of "clean" cover material. Ten feet of cover material with COC at or below ROD cleanup levels will be placed over the excavation subgrade to restore the Building E footprint.

As reported in Table I, individual radioisotope concentrations exceeded ROD cleanup levels in several historic PDI and RI samples. However, proposed excavations included in the Phase 1 RAWP are not subject to change based on these radioisotope exceedances, as exceedances detected in soils up to 12 feet below grade will be removed as part of the proposed grading plan and those detected in deeper soils will be left in place with the implementation of an IC on the Building E area.

In addition, sample SB-PD-13031-002-041823, collected from 2 to 4 feet bgs at sample location SB-PD-13031, contains a reported concentration of 55.3 mg/kg of PCBs (Aroclor-1254 exclusively), which will require removal and post-excavation sampling procedures in accordance with the Toxic Substances Control Act (TSCA). Removal of TSCA soils and subsequent soil sampling will be conducted as part of the Phase 1 remedial action and are detailed in the Phase 1 RAWP. Sample intervals below and above this sample, as well as in adjacent cells, were below the ROD cleanup level for PCBs, suggesting that the volume of TSCA soil will be limited.

Courtyard

Six of the 42 Geoprobe locations were completed within the Courtyard Area. These explorations were originally proposed as Test Pits in the *Revised Enabling Phase Remedial Activities 100% Design* to supplement prior investigations, demolition, and removal of the abandoned Tank House structure and to provide information on the depth and condition of the foundation removal. Geoprobes were conducted in place of the proposed test pits due to the extensive excavation necessary to complete the test pits to a minimum of 10 feet and to minimize disruption of the existing road access. As detailed in the *Enabling Phase Remedial Action Report*, dated 9 February 2024, demolition and removal of the abandoned Tank House was not completed during the Enabling Phase, and the Holding Basin design slurry wall alignment now includes the area occupied by the Tank House, which will likely remain in place during upcoming Holding Basin work. The construction drawings included in Appendix B of the Phase 1 RAWP have been updated to include utilities proposed for removal adjacent to the existing Tank House.

Analytical results from the Courtyard pre-characterization sampling program and previous sampling events are presented on Table II. Pre-characterization sample locations and analytical results for each sample depth interval are presented on the C-402 Figure set. Each C-402 Figure represents a different sampling depth interval, and each cell is color-coded to represent COC concentrations above or below the ROD cleanup levels. Specific COC concentrations are presented for those that exceed the ROD cleanup levels on the figures. COC concentrations below the ROD cleanup levels are not presented. Pre-characterization and historical test boring locations and analytical results for each sample interval are presented on Figure C-402-1. Specifically, concentrations of uranium and PCBs are displayed across

sample depths. Uranium and PCB concentrations are also presented for previously collected historical samples on Figure C-402-1.

The results of the sampling program in the Courtyard Area indicate that soil sampled at these locations contains concentrations of COCs consistent with those found elsewhere in the Courtyard Area.

Proposed Courtyard area excavation designs are included in Appendix B of the Phase 1 RAWP. Excavation designs are based on the Courtyard specific RALs presented in the 100% SSS Phase 1 RD. As reported on Table II, individual radioisotope concentrations exceeded ROD cleanup levels in several historic PDI and RI samples. The RI and PDI samples were analyzed for uranium and thorium using both ICP-MS and gamma spectroscopy methods. As documented in the RI report, the results based on ICP-MS were selected for evaluation of the data because they provide better precision at low concentrations (i.e., concentrations near the cleanup goal). Therefore, compliance with cleanup levels will be evaluated using analytical data reported from ICP-MS methods. Nonetheless, a review of the isotope data with respect to the ROD levels indicate that proposed excavation grades for the Building E area are not subject to change based on these radioisotope exceedances, as exceedances detected in soils up to 12 feet below grade will be removed as part of the currently proposed grading plan and exceedances detected deeper than 12 feet below grade will be left in place with the implementation of an IC on the Building E area.

CLOSURE

Data collected during this pre-characterization program suggests that soils sampled within the Building E footprint are generally not suitable for on-Site reuse. Data collected during this program, including those from the Courtyard Area pre-characterization sampling, have been incorporated into final design adjustments to the Remedial Action. This Memorandum supplements the Phase 1 design and the Remedial Action Work Plan for the Site-wide Sediment and Soil (SSS) 100% Remedial Design documents for the Landfill, Courtyard, Sphagnum Bog, Cooling Pond, and Building E, Phase 1. The As-built excavation limits will be documented in the SSS Phase 1 closure documents.

Attachments:

Table I – Summary of Analytical Results - Building E
Table II – Summary of Analytical Results - Courtyard

Figure Set C-401 – Pre-Characterization Data Plan – Building E
Figure C-401-1 – Building E Historical Data
Figure Set C-402 – Courtyard Pre-Characterization Data Plan
Figure C-402-1 – Courtyard Data Plan

Attachment A – Geoprobe Logs
Attachment B – Radiation Screening for Soil and Groundwater Samples Memo

TABLES

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004	SB-PD-13004
Sample Name	Record of	SB-PD-13004-001-121120	SB-PD-13004-002-121120	SB-PD-13004-004-121120	SB-PD-13004-006-121120	SB-PD-13004-008-121120	SB-PD-13004-010-121120	SB-PD-13004-012-121120	SB-PD-13004-014-121120	SB-PD-13004-014-121120-DUP	SB-PD-13004-016-121120	SB-PD-13004-018-121120	SB-PD-13004-020-121120
Sample Date	Decision	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020
	Cleanup												
Lab Sample ID	Level	530100001	530100002	530100003	530100004	530100005	530100006	530100007	530100008	530100009	530100010	530100011	530100012
Sample Depth (bgs)		1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Anthracene	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Benzo(a)anthracene	0.34	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Benzo(a)pyrene	0.22	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Benzo(b)fluoranthene	0.34	0.0105 U	0.0141 J	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Benzo(g,h,i)perylene	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Benzo(k)fluoranthene	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.348 R	0.0101 U	0.0345 R	0.0103 U	0.0339 R	0.0102 U	0.0382 R
Benzoic acid	NA	0.176 UJ	0.172 UJ	1.79 UJ	0.177 UJ	0.17 UJ	1.74 UJ	0.169 UJ	0.173 UJ	0.172 UJ	0.17 UJ	0.171 UJ	0.191 UJ
bis(2-Ethylhexyl)phthalate	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Butyl benzylphthalate (BBP)	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Carbazole	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Chrysene	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Dibenz(a,h)anthracene	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Di-n-butylphthalate (DBP)	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Di-n-octyl phthalate (DnOP)	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Fluoranthene	NA	0.0228 J	0.024 J	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Fluorene	NA	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Indeno(1,2,3-cd)pyrene	0.34	0.0105 U	0.0103 U	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Phenanthrene	NA	0.0133 J	0.0124 J	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Pyrene	NA	0.0232 J	0.0213 J	0.107 U	0.0106 U	0.0102 U	0.104 U	0.0101 U	0.0104 U	0.0103 U	0.0102 U	0.0102 U	0.0114 U
Inorganic Compounds (mg/kg)													
Arsenic	13.7	7.23 J	3.8 J	5.68 J	9.93 J	9.21 J	5.58 J	2.89 J	3.08 J	3.38 J	2.26 J	2.08 J	3.9 J
Thorium	7.4	4.09 N	2.77 J	4.59 J	6.18 J	**7.93 J**	6.12 J	4.5 J	3.86 J	4.92 J	3.77 J	4.14 J	7.34 J
Uranium	2.7	**24 J**	1.53 J	**103 J**	**22.6 J**	**42.5 J**	**25.8 J**	**26.4 J**	0.977 J	1.91 J	0.856 J	1.14 J	1.96 J
Uranium-235	NA	0.0623 J	0.00867 J	0.227 J	0.0542 J	0.103 J	0.0649 J	0.0642 J	0.00669 J	0.00767 J	0.00669 J	0.00812 J	0.0137 J
Uranium-238	NA	23.9	1.52	103	22.6	42.4	25.7	26.4	0.97	1.9	0.85	1.14	1.95
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0117 U	0.00115 UJ	0.00599 UJ	0.00119 U	0.00114 U	0.00579 UJ	0.00113 U	0.00115 U	0.00115 U	0.00114 U	0.00115 U	0.00127 U
Aroclor-1221 (PCB-1221)	NA	0.0117 U	0.00115 UJ	0.00599 UJ	0.00119 U	0.00114 U	0.00579 UJ	0.00113 U	0.00115 U	0.00115 U	0.00114 U	0.00115 U	0.00127 U
Aroclor-1232 (PCB-1232)	NA	0.0117 U	0.00115 UJ	0.00599 UJ	0.00119 U	0.00114 U	0.00579 UJ	0.00113 U	0.00115 U	0.00115 U	0.00114 U	0.00115 U	0.00127 U
Aroclor-1242 (PCB-1242)	NA	0.0117 U	0.00115 UJ	0.00599 UJ	0.00119 U	0.00114 U	0.00579 UJ	0.00113 U	0.00115 U	0.00115 U	0.00114 U	0.00115 U	0.00127 U
Aroclor-1248 (PCB-1248)	NA	0.0117 U	0.00115 UJ	0.00599 UJ	0.00119 U	0.00114 U	0.00579 UJ	0.00113 U	0.00115 U	0.00115 U	0.00114 U	0.00115 U	0.00127 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.2445	0.0807	0.0464	0.00321	0.00343 U	0.0188	0.00338 U	0.00346 U	0.00179	0.0023	0.00346 U	0.00382 U
Aroclor-1254 (PCB-1254)	NA	0.21	0.0694 J-	0.0382 J-	0.00321 J	0.00114 U	0.0188 J-	0.00113 U	0.00115 U	0.00179 J	0.00114 U	0.00115 U	0.00127 U
Aroclor-1260 (PCB-1260)	NA	0.0345 J	0.0113 J-	0.0082 J-	0.00119 U	0.00114 U	0.00579 UJ	0.00113 U	0.00115 U	0.00115 U	0.0023 J	0.00115 U	0.00127 U
Aroclor-1262 (PCB-1262)	NA	0.0117 U	0.00115 UJ	0.00599 UJ	0.00119 U	0.00114 U	0.00579 UJ	0.00113 U	0.00115 U	0.00115 U	0.00114 U	0.00115 U	0.00127 U
Aroclor-1268 (PCB-1268)	NA	0.0117 U	0.00115 UJ	0.00599 UJ	0.00119 U	0.00114 U	0.00579 UJ	0.00113 U	0.00115 U	0.00115 U	0.00114 U	0.00115 U	0.00127 U
Polychlorinated biphenyls (PCBs)	1	0.244	0.0807 J-	0.0464 J-	0.00321 J	0.00114 U	0.0188 J-	0.00113 U	0.00115 U	0.00179 J	0.0023 J	0.00115 U	0.00127 U
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	0.694 ± 0.305	**0.965 ± 0.377**	**0.874 ± 0.404**	0.769 ± 0.342	**1.52 ± 0.559**	**1.32 ± 0.451**	0.707 ± 0.307	0.783 J- ± 0.39	**0.947 J- ± 0.395**	0.563 ± 0.353	**1.05 ± 0.484**	**1.72 J- ± 0.665**
Uranium-233 & 234	NA	1.89 ± 0.389	0.431 ± 0.147	2.9 J- ± 0.588	2.71 ± 0.504	2.31 ± 0.481	2.71 J- ± 0.591	1.13 ± 0.26	0.562 J- ± 0.19	0.44 ± 0.153	0.424 J- ± 0.168	0.47 ± 0.169	0.797 ± 0.205

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13004	SB-PD-13004	SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13005
Sample Name	Record of	SB-PD-13004-022-121120	SB-PD-13004-024-121120	SB-PD-13005-001-121020	SB-PD-13005-002-121020	SB-PD-13005-004-121020	SB-PD-13005-006-121020	SB-PD-13005-008-121020	SB-PD-13005-010-121020	SB-PD-13005-012-121020	SB-PD-13005-012-121020-DUP	SB-PD-13005-014-121020	SB-PD-13005-016-121020
Sample Date	Decision Cleanup	12/11/2020	12/11/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020
Lab Sample ID	Level	530100013	530100014	530009011	530009012	530009013	530009014	530009015	530009016	530009017	530009018	530009019	530009020
Sample Depth (bgs)		22 - 24 (ft)	24 - 26 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0116 UJ	0.0544 U	0.0104 UJ	1.04 UJ	0.0437 UJ	0.0104 UJ	0.0103 UJ	0.042 UJ	0.0113 UJ	0.0105 UJ	0.0101 UJ	0.0117 UJ
Anthracene	NA	0.0116 UJ	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Benzo(a)anthracene	0.34	0.0116 U	0.0544 U	0.0104 U	**1.04 U**	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Benzo(a)pyrene	0.22	0.0116 UJ	0.0544 U	0.0104 U	**1.04 U**	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Benzo(b)fluoranthene	0.34	0.0116 U	0.0544 U	0.0104 U	**1.04 U**	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Benzo(g,h,i)perylene	NA	0.0116 UJ	0.0544 U	0.0104 UJ	1.04 UJ	0.0437 UJ	0.0104 UJ	0.0103 UJ	0.042 UJ	0.0113 UJ	0.0105 UJ	0.0101 UJ	0.0364 J-
Benzo(k)fluoranthene	NA	0.0116 U	0.181 R	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Benzoic acid	NA	0.193 UJ	0.907 UJ	0.173 UJ	17.4 UJ	0.728 UJ	0.173 UJ	0.172 UJ	0.7 UJ	0.189 UJ	0.175 UJ	0.168 UJ	0.196 UJ
bis(2-Ethylhexyl)phthalate	NA	0.0143 J	0.0544 U	0.0149 J	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Butyl benzylphthalate (BBP)	NA	0.0116 U	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Carbazole	NA	0.0116 UJ	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Chrysene	NA	0.0116 U	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Dibenz(a,h)anthracene	NA	0.0116 UJ	0.0544 U	0.0104 UJ	1.04 UJ	0.0437 UJ	0.0104 UJ	0.0103 UJ	0.042 UJ	0.0113 UJ	0.0105 UJ	0.0101 UJ	0.0117 UJ
Di-n-butylphthalate (DBP)	NA	0.015 J	0.0544 U	0.0107 J-	1.04 UJ	0.0437 UJ	0.0104 UJ	0.0103 UJ	0.042 UJ	0.0113 UJ	0.0122 J-	0.0115 J-	0.0168 J-
Di-n-octyl phthalate (DnOP)	NA	0.0324 J	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Fluoranthene	NA	0.0116 U	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Fluorene	NA	0.0116 UJ	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Indeno(1,2,3-cd)pyrene	0.34	0.0116 UJ	0.0544 U	0.0104 UJ	**1.04 UJ**	0.0437 UJ	0.0104 UJ	0.0103 UJ	0.042 UJ	0.0113 UJ	0.0105 UJ	0.0101 UJ	0.0117 UJ
Phenanthrene	NA	0.0116 UJ	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Pyrene	NA	0.0116 UJ	0.0544 U	0.0104 U	1.04 U	0.0437 U	0.0104 U	0.0103 U	0.042 U	0.0113 U	0.0105 U	0.0101 U	0.0117 U
Inorganic Compounds (mg/kg)													
Arsenic	13.7	3.24 J	3.92 J	3.46	6.36	4.93	7.25	1.95	3.21	2.55	2.48	1.93	2.74
Thorium	7.4	**7.56 J**	6.86 J	4.49	5.37	4.03	4.91	5.92	3.83	4.57	5.4	4.6	**8.87**
Uranium	2.7	1.89 J	**3.53 J**	2.36	**34.7**	**4.31**	1.21	1.6	**5.63**	1.52	1.52	0.951	1.76
Uranium-235	NA	0.0136 J	0.0149 J	0.00943 J	0.103	0.0139 J	0.00808 J	0.0129 J	0.0277	0.0111 J	0.00973 J	0.00698 J	0.0119 J
Uranium-238	NA	1.88	3.52	2.35	34.6	4.3	1.2	1.59	5.6	1.51	1.51	0.945	1.75
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.00128 U	0.00121 U	0.023 U	0.029 U	0.0121 UJ	0.00114 U	0.00112 UJ	0.0114 UJ	0.00126 U	0.00114 UJ	0.00113 UJ	0.00127 UJ
Aroclor-1221 (PCB-1221)	NA	0.00128 U	0.00121 U	0.023 U	0.029 U	0.0121 UJ	0.00114 U	0.00112 UJ	0.0114 UJ	0.00126 U	0.00114 UJ	0.00113 UJ	0.00127 UJ
Aroclor-1232 (PCB-1232)	NA	0.00128 U	0.00121 U	0.023 U	0.029 U	0.0121 UJ	0.00114 U	0.00112 UJ	0.0114 UJ	0.00126 U	0.00114 UJ	0.00113 UJ	0.00127 UJ
Aroclor-1242 (PCB-1242)	NA	0.00128 U	0.00121 U	0.023 U	0.029 U	0.0121 UJ	0.00114 U	0.00112 UJ	0.0114 UJ	0.00126 U	0.00114 UJ	0.00113 UJ	0.00127 UJ
Aroclor-1248 (PCB-1248)	NA	0.00128 U	0.00121 U	0.023 U	0.029 U	0.0121 UJ	0.00114 U	0.00112 UJ	0.0114 UJ	0.00126 U	0.00114 UJ	0.00113 UJ	0.00127 UJ
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.00383 U	0.00364 U	0.4691	0.886	0.4175	0.00132	0.00335 U	0.323	0.00379 U	0.00344 U	0.01226	0.00381 U
Aroclor-1254 (PCB-1254)	NA	0.00128 U	0.00121 U	0.425	0.799	0.377 J-	0.00132 J	0.00112 UJ	0.295 J-	0.00126 U	0.00114 UJ	0.0109 J-	0.00127 UJ
Aroclor-1260 (PCB-1260)	NA	0.00128 U	0.00121 U	0.165 J-	0.296 J	0.138 J	0.00114 UJ	0.00112 UJ	0.108 J	0.00126 U	0.00114 UJ	0.00423 J	0.00127 UJ
Aroclor-1262 (PCB-1262)	NA	0.00128 U	0.00121 U	0.023 U	0.029 U	0.0121 UJ	0.00114 U	0.00112 UJ	0.0114 UJ	0.00126 U	0.00114 UJ	0.00113 UJ	0.00127 UJ
Aroclor-1268 (PCB-1268)	NA	0.00128 U	0.00121 U	0.023 U	0.029 U	0.0121 UJ	0.00114 U	0.00112 UJ	0.0114 UJ	0.00126 U	0.00114 UJ	0.00113 UJ	0.00127 UJ
Polychlorinated biphenyls (PCBs)	1	0.00128 U	0.00121 U	0.59	**1.1**	0.515 J-	0.00132 J	0.00112 UJ	0.403 J-	0.00126 U	0.00114 UJ	0.0151 J-	0.00127 UJ
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	**1.32 J- ± 0.608**	**1.09 J- ± 0.544**	0.603 ± 0.319	**1.03 ± 0.389**	0.781 ± 0.354	**0.891 ± 0.376**	**0.835 ± 0.381**	0.798 ± 0.361	**1.53 ± 0.531**	**1.11 ± 0.456**	0.261 ± 0.205	**0.904 ± 0.4**
Uranium-233 & 234	NA	0.642 ± 0.186	0.746 ± 0.202	0.621 ± 0.164	5.6 J- ± 1.37	0.947 ± 0.228	0.681 ± 0.211	0.597 ± 0.186	1.21 ± 0.288	1.39 J- ± 0.392	0.767 ± 0.213	0.502 ± 0.174	0.878 J- ± 0.307

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13005	SB-PD-13006	SB-PD-13006	SB-PD-13006	SB-PD-13006	SB-PD-13006	SB-PD-13006	SB-PD-13006	SB-PD-13006
Sample Name	Record of	SB-PD-13005-018-121020	SB-PD-13005-020-121020	SB-PD-13005-022-121020	SB-PD-13005-024-121020	SB-PD-13006-001-121020	SB-PD-13006-002-121020	SB-PD-13006-004-121020	SB-PD-13006-006-121020	SB-PD-13006-008-121020	SB-PD-13006-010-121020	SB-PD-13006-012-121020	SB-PD-13006-014-121020
Sample Date	Decision	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020
	Cleanup												
Lab Sample ID	Level	530009001	530009002	530009003	530009004	530009006	530009007	530009008	530009009	530009010	530100022	530100023	530100024
Sample Depth (bgs)		18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0111 UJ	0.0106 UJ	0.0102 UJ	0.0111 UJ	0.0419 UJ	0.0416 UJ	0.0428 UJ	0.0106 UJ	0.0109 UJ	0.0108 UJ	0.0103 UJ	0.0104 UJ
Anthracene	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 UJ	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 UJ	0.0104 UJ
Benzo(a)anthracene	0.34	0.0111 UJ	0.0106 U	0.0102 U	0.0111 U	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 U	0.0104 UJ
Benzo(a)pyrene	0.22	0.0111 UJ	0.0106 U	0.0102 U	0.0111 UJ	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 UJ	0.0104 UJ
Benzo(b)fluoranthene	0.34	0.0111 UJ	0.0106 U	0.0102 U	0.0111 U	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 U	0.0104 UJ
Benzo(g,h,i)perylene	NA	0.0111 UJ	0.0188 J-	0.0102 UJ	0.0111 UJ	0.0419 UJ	0.0416 UJ	0.0428 UJ	0.0106 UJ	0.0109 UJ	0.0108 UJ	0.0103 UJ	0.0104 UJ
Benzo(k)fluoranthene	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 U	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0361 R	0.0103 U	0.0347 R
Benzoic acid	NA	0.186 UJ	0.177 UJ	0.17 UJ	0.186 UJ	0.699 UJ	0.693 UJ	0.713 UJ	0.176 UJ	0.181 UJ	0.181 UJ	0.171 UJ	0.173 UJ
bis(2-Ethylhexyl)phthalate	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 U	0.0419 U	0.0416 U	0.0428 U	0.0197 J	0.0109 U	0.0108 UJ	0.0103 U	0.0104 UJ
Butyl benzylphthalate (BBP)	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 U	0.0419 U	0.0416 U	0.0428 U	0.0109 J	0.0109 U	0.0108 UJ	0.0103 U	0.0104 UJ
Carbazole	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 UJ	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 UJ	0.0104 UJ
Chrysene	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 U	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 U	0.0104 UJ
Dibenz(a,h)anthracene	NA	0.0111 UJ	0.0106 UJ	0.0102 UJ	0.0111 UJ	0.0419 UJ	0.0416 UJ	0.0428 UJ	0.0106 UJ	0.0109 UJ	0.0108 UJ	0.0103 UJ	0.0104 UJ
Di-n-butylphthalate (DBP)	NA	0.0111 UJ	0.0106 UJ	0.0102 UJ	0.0111 U	0.0419 UJ	0.0416 UJ	0.0428 UJ	0.0158 J-	0.0109 UJ	0.0148 J-	0.0103 U	0.0104 UJ
Di-n-octyl phthalate (DnOP)	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 U	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 U	0.0104 UJ
Fluoranthene	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 U	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0145 J-	0.0103 U	0.0104 UJ
Fluorene	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 UJ	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 UJ	0.0104 UJ
Indeno(1,2,3-cd)pyrene	0.34	0.0111 UJ	0.0106 UJ	0.0102 UJ	0.0111 UJ	0.0419 UJ	0.0416 UJ	0.0428 UJ	0.0106 UJ	0.0109 UJ	0.0108 UJ	0.0103 UJ	0.0104 UJ
Phenanthrene	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 UJ	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 UJ	0.0104 UJ
Pyrene	NA	0.0111 UJ	0.0106 U	0.0102 U	0.0111 UJ	0.0419 U	0.0416 U	0.0428 U	0.0106 U	0.0109 U	0.0108 UJ	0.0103 UJ	0.0104 UJ
Inorganic Compounds (mg/kg)													
Arsenic	13.7	2.25	3.13	2.67	3.51	4.45	4.12	4.41	4.97	3.21	4.21 J	5.33 J	5.46 J
Thorium	7.4	5.58	4.26	2.67	5.57	3.44	4	3.83	4.13	4.93	5.09 J	5.12 J	4.63 J
Uranium	2.7	1.58	1.26	0.662	1.59	**19.1**	**3.3**	**7.24**	**15.9**	1.02	**4.26 J**	1.27 J	1.42 J
Uranium-235	NA	0.0111 J	0.0107 J	0.0048 J	0.0108 J	0.0486	0.0127 J	0.022	0.0399	0.00692 J	0.015 J	0.00909 J	0.00712 J
Uranium-238	NA	1.57	1.25	0.657	1.58	19.1	3.29	7.22	15.9	1.01	4.25	1.26	1.41
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.0115 UJ	0.113 U	0.298 U	0.00576 UJ	0.00119 U	0.0122 U	0.00114 U	0.00116 U
Aroclor-1221 (PCB-1221)	NA	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.0115 UJ	0.113 U	0.298 U	0.00576 UJ	0.00119 U	0.0122 U	0.00114 U	0.00116 U
Aroclor-1232 (PCB-1232)	NA	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.0115 UJ	0.113 U	0.298 U	0.00576 UJ	0.00119 U	0.0122 U	0.00114 U	0.00116 U
Aroclor-1242 (PCB-1242)	NA	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.0115 U	0.113 U	0.298 U	0.00576 UJ	0.00119 U	0.0122 U	0.00114 U	0.00116 U
Aroclor-1248 (PCB-1248)	NA	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.0115 UJ	0.113 U	0.298 U	0.00576 UJ	0.00119 U	0.0122 U	0.00114 U	0.00116 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.00368 U	0.00352 U	-	-	0.3452	1.464	7.464	0.1081	0.00339	0.5661	0.00181	0.00953
Aroclor-1254 (PCB-1254)	NA	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.315 J-	1.34	6.76	0.0935 J-	0.00339 J	0.508	0.00114 U	0.00438
Aroclor-1260 (PCB-1260)	NA	0.00123 UJ	0.00117 UJ	0.00111 UJ	0.00123 UJ	0.119 J	0.474 J	2.26 J-	0.0419 J-	0.00119 UJ	0.0581	0.00181 J	0.00515
Aroclor-1262 (PCB-1262)	NA	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.0115 UJ	0.113 U	0.298 U	0.00576 UJ	0.00119 U	0.0122 U	0.00114 U	0.00116 U
Aroclor-1268 (PCB-1268)	NA	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.0115 UJ	0.113 U	0.298 U	0.00576 UJ	0.00119 U	0.0122 U	0.00114 U	0.00116 U
Polychlorinated biphenyls (PCBs)	1	0.00123 U	0.00117 U	0.00111 UJ	0.00123 UJ	0.434 J-	**1.81**	**9.02**	0.135 J-	0.00339 J	0.566	0.00181 J	0.00953
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	**1.61 J- ± 0.615**	0.801 ± 0.367	**1.02 ± 0.447**	**1.54 ± 0.574**	0.705 ± 0.368	**1.34 ± 0.49**	0.774 ± 0.359	**1.55 ± 0.515**	**1.2 ± 0.486**	**1.73 ± 0.563**	**1.8 J- ± 0.637**	**2.1 ± 0.617**
Uranium-233 & 234	NA	0.92 ± 0.25	0.695 ± 0.197	0.412 ± 0.133	0.698 J- ± 0.211	1.36 ± 0.298	1.05 ± 0.245	1.22 ± 0.273	1.59 ± 0.331	0.631 ± 0.177	1.06 ± 0.25	1.12 ± 0.287	0.735 ± 0.198

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13006	SB-PD-13006	SB-PD-13006	SB-PD-13006	SB-PD-13006	SB-PD-13007	SB-PD-13007	SB-PD-13007	SB-PD-13007	SB-PD-13007	SB-PD-13007	SB-PD-13008
Sample Name	Record of	SB-PD-13006-016-121020	SB-PD-13006-018-121020	SB-PD-13006-020-121020	SB-PD-13006-022-121020	SB-PD-13006-024-121020	SB-PD-13007-001-040521	SB-PD-13007-002-040521	SB-PD-13007-004-040521	SB-PD-13007-006-040521	SB-PD-13007-008-040521	SB-PD-13007-010-040521	SB-PD-13008-001-040521
Sample Date	Decision	12/10/2020	12/10/2020	12/10/2020	12/10/2020	12/10/2020	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021
	Cleanup												
Lab Sample ID	Level	530100025	530100026	530100027	530100028	530100029	539914007	539914008	539914009	539914010	539914011	539914012	539914001
Sample Depth (bgs)		16 - 18 (ft)	18 - 20 (ft)	20 - 22 (ft)	22 - 24 (ft)	24 - 26 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	1 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.0401 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Anthracene	NA	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.0733 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Benzo(a)anthracene	0.34	0.011 U	0.0105 U	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.171 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Benzo(a)pyrene	0.22	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.182 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Benzo(b)fluoranthene	0.34	0.011 U	0.0105 U	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.242 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0109 J-
Benzo(g,h,i)perylene	NA	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.0848 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Benzo(k)fluoranthene	NA	0.0368 R	0.0105 U	0.0371 R	0.0378 R	0.0376 R	0.0101 UJ	0.01 UJ	0.0872 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Benzoic acid	NA	0.184 UJ	0.175 UJ	0.186 UJ	0.189 UJ	0.188 UJ	0.169 UJ	0.167 UJ	0.173 UJ	1.8 UJ	0.178 UJ	0.171 UJ	0.171 UJ
bis(2-Ethylhexyl)phthalate	NA	0.011 U	0.0105 U	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.024 J-	0.0104 J-	0.0104 UJ	0.108 UJ	0.0107 UJ	0.0102 UJ	0.012 J-
Butyl benzylphthalate (BBP)	NA	0.011 U	0.0105 U	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.0104 UJ	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Carbazole	NA	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.046 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Chrysene	NA	0.011 U	0.0105 U	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.173 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Dibenz(a,h)anthracene	NA	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.0221 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Di-n-butylphthalate (DBP)	NA	0.011 U	0.0105 U	0.0137 J-	0.0113 UJ	0.0113 UJ	0.0111 J-	0.01 UJ	0.0104 UJ	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0116 J-
Di-n-octyl phthalate (DnOP)	NA	0.011 U	0.0105 U	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.0104 UJ	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0236 J-
Fluoranthene	NA	0.011 U	0.0105 U	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.433 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0171 J-
Fluorene	NA	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.0374 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Indeno(1,2,3-cd)pyrene	0.34	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.0948 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Phenanthrene	NA	0.011 U	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.297 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Pyrene	NA	0.011 UJ	0.0105 UJ	0.0111 UJ	0.0113 UJ	0.0113 UJ	0.0101 UJ	0.01 UJ	0.287 J-	0.108 UJ	0.0107 UJ	0.0102 UJ	0.0103 UJ
Inorganic Compounds (mg/kg)													
Arsenic	13.7	6.4 J	7.9 J	3.54 J	2.54 J	3.22 J	3.54	3.25	5.53	8.5	4.75	6.3	4.54
Thorium	7.4	4.07 J	4.99 J	4.02 J	3.31 J	5.3 J	5.23	6.75	5.58	5.43	5.91	4.73	5.64
Uranium	2.7	1.19 J	1.32 J	1.45 J	1.23 J	1.57 J	1.54 J	1.72 J	**3.01 J**	**22.5 J**	1.55 J	1.22 J	**4.1 J**
Uranium-235	NA	0.00931 J	0.00915 J	0.00974 J	0.0102 J	0.0115 J	0.00981 J	0.011 J	0.0136 J	0.0641	0.00952 J	0.00862 J	0.0147
Uranium-238	NA	1.18	1.31	1.44	1.22	1.56	1.53 J	1.71 J	2.99 J	22.4 J	1.54 J	1.21 J	4.09 J
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.00123 U	0.00118 U	0.00125 UJ	0.00127 U	0.00126 U	0.00113 UJ	0.0225 U	0.0574 U	0.0238 U	0.00231 UJ	0.00113 U	0.0569 U
Aroclor-1221 (PCB-1221)	NA	0.00123 U	0.00118 U	0.00125 UJ	0.00127 U	0.00126 U	0.00113 UJ	0.0225 U	0.0574 U	0.0238 U	0.00231 UJ	0.00113 U	0.0569 U
Aroclor-1232 (PCB-1232)	NA	0.00123 U	0.00118 U	0.00125 UJ	0.00127 U	0.00126 U	0.00113 UJ	0.0225 U	0.0574 U	0.0238 U	0.00231 UJ	0.00113 U	0.0569 U
Aroclor-1242 (PCB-1242)	NA	0.00123 U	0.00118 U	0.00125 UJ	0.00127 U	0.00126 U	0.00113 UJ	0.0225 U	0.0574 U	0.0238 U	0.00231 UJ	0.00113 U	0.0569 U
Aroclor-1248 (PCB-1248)	NA	0.00123 U	0.00118 U	0.00125 UJ	0.00127 U	0.00126 U	0.00113 UJ	0.0225 U	0.0574 U	0.0238 U	0.00231 UJ	0.00113 U	0.0569 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.00368 U	0.00353 U	0.0142	0.0038 U	0.00226	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.00123 U	0.00118 U	0.0142 J-	0.00127 U	0.00126 U	0.0381 J-	0.664	1.52	0.124	0.104 J-	0.00244 J	2.53
Aroclor-1260 (PCB-1260)	NA	0.00123 U	0.00118 U	0.00125 UJ	0.00127 U	0.00226 J	0.00113 UJ	0.131	0.161 J	0.0238 U	0.0132 J-	0.00113 U	0.0569 U
Aroclor-1262 (PCB-1262)	NA	0.00123 U	0.00118 U	0.00125 UJ	0.00127 U	0.00126 U	0.00113 UJ	0.0225 U	0.0574 U	0.0238 U	0.00231 UJ	0.00113 U	0.0569 U
Aroclor-1268 (PCB-1268)	NA	0.00123 U	0.00118 U	0.00125 UJ	0.00127 U	0.00126 U	0.00113 UJ	0.0225 U	0.0574 U	0.0238 U	0.00231 UJ	0.00113 U	0.0569 U
Polychlorinated biphenyls (PCBs)	1	0.00123 U	0.00118 U	0.0142 J-	0.00127 U	0.00226 J	0.0381 J-	0.794	**1.68**	0.124	0.118 J-	0.00244 J	**2.53**
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	**1.11 ± 0.398**	**1.21 ± 0.429**	**1.79 J- ± 0.58**	0.723 ± 0.332	**1.16 J- ± 0.541**	**1.13 ± 0.248**	0.495 ± 0.168	0.783 J- ± 0.236	**1.14 J- ± 0.293**	**1.3 ± 0.278**	**0.864 J- ± 0.23**	**1 J- ± 0.262**
Uranium-233 & 234	NA	0.567 ± 0.157	0.516 ± 0.175	0.732 ± 0.223	0.636 ± 0.185	0.616 ± 0.18	0.582 ± 0.165	0.526 ± 0.186	0.674 ± 0.177	2.33 J- ± 0.472	0.47 ± 0.153	0.637 ± 0.175	1.13 J- ± 0.291

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13008	SB-PD-13008	SB-PD-13008	SB-PD-13008	SB-PD-13008	SB-PD-13009	SB-PD-13009	SB-PD-13009	SB-PD-13009	SB-PD-13009	SB-PD-13009	SB-PD-13010
Sample Name	Record of	SB-PD-13008-002-040521	SB-PD-13008-004-040521	SB-PD-13008-006-040521	SB-PD-13008-008-040521	SB-PD-13008-010-040521	SB-PD-13009-001-040521	SB-PD-13009-002-040521	SB-PD-13009-004-040521	SB-PD-13009-006-040521	SB-PD-13009-008-040521	SB-PD-13009-010-040521	SB-PD-13010-001-040621
Sample Date	Decision	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/05/2021	04/06/2021
	Cleanup												
Lab Sample ID	Level	539914002	539914003	539914004	539914005	539914006	539914014	539914015	539914016	539914017	539914018	539914019	540274010
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	1 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.014 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Anthracene	NA	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0255 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Benzo(a)anthracene	0.34	0.141 J-	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 UJ	0.0576 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Benzo(a)pyrene	0.22	0.117 J-	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0569 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Benzo(b)fluoranthene	0.34	0.161 J-	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0837 J-	0.0107 UJ	0.0121 J-	0.0106 UJ	0.00999 UJ	0.0106 UJ
Benzo(g,h,i)perylene	NA	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 UJ	0.0265 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Benzo(k)fluoranthene	NA	0.0841 J-	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0293 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Benzoic acid	NA	0.859 UJ	0.867 UJ	0.176 UJ	0.174 UJ	0.172 UJ	1.71 UJ	0.174 UJ	0.178 UJ	0.174 UJ	0.176 UJ	0.166 UJ	0.176 UJ
bis(2-Ethylhexyl)phthalate	NA	0.0515 UJ	0.052 UJ	0.012 J-	0.0195 J-	0.0124 J-	0.103 U	0.0112 J-	0.0107 UJ	0.0187 J-	0.0198 J-	0.00999 UJ	0.0215 J-
Butyl benzylphthalate (BBP)	NA	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0105 UJ	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Carbazole	NA	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0164 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Chrysene	NA	0.11 J-	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0572 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Dibenz(a,h)anthracene	NA	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0105 UJ	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Di-n-butylphthalate (DBP)	NA	0.0515 UJ	0.052 UJ	0.0109 J-	0.0125 J-	0.0103 UJ	0.103 U	0.0115 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Di-n-octyl phthalate (DnOP)	NA	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0105 UJ	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Fluoranthene	NA	0.276 J-	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 UJ	0.135 J-	0.0107 UJ	0.0111 J-	0.0106 UJ	0.00999 UJ	0.0106 UJ
Fluorene	NA	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 U	0.0126 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Indeno(1,2,3-cd)pyrene	0.34	0.0515 UJ	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 UJ	0.0286 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Phenanthrene	NA	0.222 J-	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 UJ	0.109 J-	0.0107 UJ	0.0104 UJ	0.0106 UJ	0.00999 UJ	0.0106 UJ
Pyrene	NA	0.201 J-	0.052 UJ	0.0105 UJ	0.0104 UJ	0.0103 UJ	0.103 UJ	0.106 J-	0.0107 UJ	0.0125 J-	0.0106 UJ	0.00999 UJ	0.0106 UJ
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.71	5.74	5.37	8.16	5.39	3.81	4.54	3.88	5.34	6.01	5.27	6.63
Thorium	7.4	5.52	4.31	5.94	5.66	5.42	4.88	4.24	5.1	4.81	4.65	4.45	3.98 J
Uranium	2.7	**17 J**	**34.3 J**	**2.89 J**	**4.32 J**	1.21 J	1.87 J	1.75 J	**6.98 J**	**9.42 J**	**18 J**	1.25 J	1.91
Uranium-235	NA	0.0407	0.0782	0.0137 J	0.0151	0.00815 J	0.0129 J	0.00896 J	0.0216	0.0284	0.0535	0.00869 J	0.00917 J
Uranium-238	NA	16.9 J	34.3 J	2.87 J	4.31 J	1.21 J	1.86 J	1.74 J	6.95 J	9.4 J	18 J	1.24 J	1.9
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0227 U	0.0567 U	0.00119 UJ	0.00232 UJ	0.00115 UJ	0.00224 UJ	0.0232 U	0.0117 UJ	0.00115 UJ	0.00592 U	0.00114 UJ	0.0119 UJ
Aroclor-1221 (PCB-1221)	NA	0.0227 U	0.0567 U	0.00119 UJ	0.00232 UJ	0.00115 UJ	0.00224 UJ	0.0232 U	0.0117 UJ	0.00115 UJ	0.00592 U	0.00114 UJ	0.0119 UJ
Aroclor-1232 (PCB-1232)	NA	0.0227 U	0.0567 U	0.00119 UJ	0.00232 UJ	0.00115 UJ	0.00224 UJ	0.0232 U	0.0117 UJ	0.00115 UJ	0.00592 U	0.00114 UJ	0.0119 UJ
Aroclor-1242 (PCB-1242)	NA	0.0227 U	0.0567 U	0.00119 UJ	0.00232 UJ	0.00115 UJ	0.00224 UJ	0.0232 U	0.0117 UJ	0.00115 UJ	0.00592 U	0.00114 UJ	0.0119 UJ
Aroclor-1248 (PCB-1248)	NA	0.0227 U	0.0567 U	0.00119 UJ	0.00232 UJ	0.00115 UJ	0.00224 UJ	0.0232 U	0.0117 UJ	0.00115 UJ	0.00592 U	0.00114 UJ	0.0119 UJ
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.831	1.54	0.0716 J-	0.138 J-	0.00115 UJ	0.115 J-	1.62	0.392 J-	0.0621 J-	0.271	0.00114 UJ	0.376 J-
Aroclor-1260 (PCB-1260)	NA	0.0886	0.174	0.0207 J-	0.0163 J-	0.00115 UJ	0.0108 J-	0.141	0.038 J-	0.0106 J-	0.0522	0.00114 UJ	0.0119 UJ
Aroclor-1262 (PCB-1262)	NA	0.0227 U	0.0567 U	0.00119 UJ	0.00232 UJ	0.00115 UJ	0.00224 UJ	0.0232 U	0.0117 UJ	0.00115 UJ	0.00592 U	0.00114 UJ	0.0119 UJ
Aroclor-1268 (PCB-1268)	NA	0.0227 U	0.0567 U	0.00119 UJ	0.00232 UJ	0.00115 UJ	0.00224 UJ	0.0232 U	0.0117 UJ	0.00115 UJ	0.00592 U	0.00114 UJ	0.0119 UJ
Polychlorinated biphenyls (PCBs)	1	0.92	**1.72**	0.0923 J-	0.154 J-	0.00115 UJ	0.126 J-	**1.76**	0.43 J-	0.0727 J-	0.323	0.00114 UJ	0.376 J-
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	**1.05 J- ± 0.271**	0.749 ± 0.206	**0.977 J- ± 0.259**	**1.11 ± 0.244**	**1.1 ± 0.242**	0.588 J- ± 0.198	**0.909 ± 0.231**	**1.99 J- ± 0.674**	0.747 J- ± 0.214	**0.912 J- ± 0.247**	**1.4 J- ± 0.318**	0.414 J- ± 0.297
Uranium-233 & 234	NA	0.993 ± 0.257	1.74 ± 0.356	0.655 ± 0.214	0.516 ± 0.16	0.522 J- ± 0.196	0.661 ± 0.183	1.03 J- ± 0.299	1.01 ± 0.256	1.72 ± 0.344	3.02 J- ± 0.585	0.664 J- ± 0.246	0.66 ± 0.172

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13010	SB-PD-13010	SB-PD-13010	SB-PD-13010	SB-PD-13010	SB-PD-13010	SB-PD-13011	SB-PD-13011	SB-PD-13011	SB-PD-13011	SB-PD-13011	SB-PD-13011
Sample Name	Record of	SB-PD-13010-002-040621	SB-PD-13010-004-040621	SB-PD-13010-006-040621	SB-PD-13010-008-040621	SB-PD-13010-010-040621	SB-PD-13010-012-040621	SB-PD-13011-001-040721	SB-PD-13011-002-040721	SB-PD-13011-004-040721	SB-PD-13011-006-040721	SB-PD-13011-008-040721	SB-PD-13011-010-040721
Sample Date	Decision	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/07/2021	04/07/2021	04/07/2021	04/07/2021	04/07/2021	04/07/2021
Lab Sample ID	Cleanup Level	540274011	540274012	540274013	540274014	540274015	540274016	540445008	540445009	540445010	540445011	540445012	540445013
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Anthracene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Benzo(a)anthracene	0.34	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Benzo(a)pyrene	0.22	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Benzo(b)fluoranthene	0.34	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Benzo(g,h,i)perylene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Benzo(k)fluoranthene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Benzoic acid	NA	1.69 UJ	0.173 UJ	0.167 UJ	0.166 UJ	1.68 UJ	0.167 UJ	1.71 UJ	0.171 UJ	1.76 UJ	0.168 UJ	0.166 UJ	0.173 UJ
bis(2-Ethylhexyl)phthalate	NA	0.102 U	0.0243 J-	0.0251 J-	0.0233 J-	0.101 U	0.022 J-	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.0196 J-	0.0159 J-
Butyl benzylphthalate (BBP)	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Carbazole	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Chrysene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Dibenz(a,h)anthracene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Di-n-butylphthalate (DBP)	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.12 J	0.0101 UJ	0.039 J-	0.0176 J-
Di-n-octyl phthalate (DnOP)	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Fluoranthene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Fluorene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Indeno(1,2,3-cd)pyrene	0.34	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Phenanthrene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 UJ	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Pyrene	NA	0.102 U	0.0104 UJ	0.01 UJ	0.00998 UJ	0.101 U	0.01 UJ	0.103 U	0.0103 J-	0.105 U	0.0101 UJ	0.00999 UJ	0.0104 UJ
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.64	5.32	4.93	6.5	4.12	1.81	7.55	4.85	5.15	7.01	5.46	6.14
Thorium	7.4	4.16 J	5.51 J	4.61 J	4.19 J	4.62 J	3.65 J	4.8	5.48	5.88	6.91	**7.46**	**8.18**
Uranium	2.7	**57**	**16.4**	**2.71**	**13.1**	**11.2**	1.26	**9.17**	1.98	**45.3**	**67.7**	**38.3**	**25.9**
Uranium-235	NA	0.117	0.0393	0.0127 J	0.0292	0.0262	0.00648 J	0.0239	0.0102 J	0.0937	0.137	0.0802	0.051
Uranium-238	NA	56.8	16.4	2.7	13.1	11.2	1.25	9.14	1.97	45.2	67.5	38.2	25.9
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0116 UJ	0.00117 UJ	0.0011 UJ	0.00113 UJ	0.00568 UJ	0.00112 UJ	0.00563 UJ	0.00566 UJ	0.0023 UJ	0.00115 UJ	0.00114 UJ	0.00115 UJ
Aroclor-1221 (PCB-1221)	NA	0.0116 UJ	0.00117 UJ	0.0011 UJ	0.00113 UJ	0.00568 UJ	0.00112 UJ	0.00563 UJ	0.00566 UJ	0.0023 UJ	0.00115 UJ	0.00114 UJ	0.00115 UJ
Aroclor-1232 (PCB-1232)	NA	0.0116 UJ	0.00117 UJ	0.0011 UJ	0.00113 UJ	0.00568 UJ	0.00112 UJ	0.00563 UJ	0.00566 UJ	0.0023 UJ	0.00115 UJ	0.00114 UJ	0.00115 UJ
Aroclor-1242 (PCB-1242)	NA	0.0116 UJ	0.00117 UJ	0.0011 UJ	0.00113 UJ	0.00568 UJ	0.00112 UJ	0.00563 UJ	0.00566 UJ	0.0023 UJ	0.00115 UJ	0.00114 UJ	0.00115 UJ
Aroclor-1248 (PCB-1248)	NA	0.0116 UJ	0.00117 UJ	0.0011 UJ	0.00113 UJ	0.00568 UJ	0.00112 UJ	0.00563 UJ	0.00566 UJ	0.0023 UJ	0.00115 UJ	0.00114 UJ	0.00115 UJ
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0116 UJ	0.0127 J-	0.0011 UJ	0.003 J-	0.0566 J-	0.00112 UJ	0.132 J-	0.217 J-	0.0357 J-	0.0015 J-	0.0478 J-	0.0919 J-
Aroclor-1260 (PCB-1260)	NA	0.0116 UJ	0.00117 UJ	0.0011 UJ	0.00113 UJ	0.00568 UJ	0.00112 UJ	0.00563 UJ	0.00566 UJ	0.0023 UJ	0.00115 UJ	0.00114 UJ	0.00115 UJ
Aroclor-1262 (PCB-1262)	NA	0.0116 UJ	0.00117 UJ	0.0011 UJ	0.00113 UJ	0.00568 UJ	0.00112 UJ	0.00563 UJ	0.00566 UJ	0.0023 UJ	0.00115 UJ	0.00114 UJ	0.00115 UJ
Aroclor-1268 (PCB-1268)	NA	0.0116 UJ	0.00117 UJ	0.0011 UJ	0.00113 UJ	0.00568 UJ	0.00112 UJ	0.00563 UJ	0.00566 UJ	0.0023 UJ	0.00115 UJ	0.00114 UJ	0.00115 UJ
Polychlorinated biphenyls (PCBs)	1	0.0116 UJ	0.0127 J-	0.0011 UJ	0.003 J-	0.0566 J-	0.00112 UJ	0.132 J-	0.217 J-	0.0357 J-	0.0015 J-	0.0478 J-	0.0919 J-
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	0.668 J- ± 0.341	**1.56 J- ± 0.556**	**1.41 J- ± 0.605**	**0.832 J- ± 0.332**	**1.3 J- ± 0.409**	0.35 UJ ± 0.249	0.708 J- ± 0.314	**0.874 J- ± 0.264**	0.723 J- ± 0.436	**1.2 J- ± 0.296**	**1.15 J- ± 0.306**	**1.32 J- ± 0.381**
Uranium-233 & 234	NA	1.46 J- ± 0.484	2 ± 0.432	0.913 J- ± 0.274	1.17 ± 0.292	1.88 ± 0.43	0.395 ± 0.155	0.942 ± 0.163	0.71 ± 0.137	2.78 ± 0.404	5.49 J- ± 0.918	3.92 J- ± 0.612	2.28 ± 0.339

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13011	SB-PD-13012	SB-PD-13012	SB-PD-13012	SB-PD-13012	SB-PD-13012	SB-PD-13012	SB-PD-13012	SB-PD-13013	SB-PD-13013	SB-PD-13013	SB-PD-13014
Sample Name	Record of	SB-PD-13011-012-040721	SB-PD-13012-001-040721	SB-PD-13012-002-040721	SB-PD-13012-004-040721	SB-PD-13012-006-040721	SB-PD-13012-008-040721	SB-PD-13012-010-040721	SB-PD-13012-012-040721	SB-PD-13013-005-040621	SB-PD-13013-006-040621	SB-PD-13013-008-040621	SB-PD-13014-001-040621
Sample Date	Decision	04/07/2021	04/07/2021	04/07/2021	04/07/2021	04/07/2021	04/07/2021	04/07/2021	04/07/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021
	Cleanup												
Lab Sample ID	Level	540445014	540445001	540445002	540445003	540445004	540445005	540445006	540445007	540274001	540274002	540274003	540274004
Sample Depth (bgs)		12 - 14 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	5 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	1 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Anthracene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Benzo(a)anthracene	0.34	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0218 J
Benzo(a)pyrene	0.22	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0184 J
Benzo(b)fluoranthene	0.34	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0273 J
Benzo(g,h,i)perylene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Benzo(k)fluoranthene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0116 J
Benzoic acid	NA	0.173 UJ	0.173 UJ	1.72 UJ	0.167 UJ	0.168 UJ	1.72 UJ	0.181 UJ	0.171 UJ	0.172 UJ	0.176 UJ	0.168 UJ	0.171 UJ
bis(2-Ethylhexyl)phthalate	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.011 J-	0.0105 UJ	0.0128 J-	0.0106 J
Butyl benzylphthalate (BBP)	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Carbazole	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Chrysene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0181 J
Dibenz(a,h)anthracene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Di-n-butylphthalate (DBP)	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Di-n-octyl phthalate (DnOP)	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Fluoranthene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0327 J
Fluorene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Indeno(1,2,3-cd)pyrene	0.34	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0102 U
Phenanthrene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0191 J
Pyrene	NA	0.0104 UJ	0.0104 UJ	0.103 U	0.01 UJ	0.0101 UJ	0.103 U	0.0108 UJ	0.0102 UJ	0.0103 UJ	0.0105 UJ	0.0101 UJ	0.0331 J
Inorganic Compounds (mg/kg)													
Arsenic	13.7	2.99	12.4	7.41	6.44	7.11	6.16	4.68	3.28	5.91	5.94	7.23	6.05
Thorium	7.4	4.65	6.02	5.08	5.28	6.73	5.24	**7.61**	4.63	5.73 J	5.88 J	**9.59 J**	6.63 J
Uranium	2.7	**23**	1.88	**26.2**	1.78	2.28	**13.4**	**13.7**	2.13	**50.9**	1.34	1.48	**9.59**
Uranium-235	NA	0.0468	0.0112 J	0.0623	0.00891 J	0.0148	0.0316	0.0376	0.00932 J	0.12	0.00818 J	0.0106 J	0.0252
Uranium-238	NA	23	1.87	26.2	1.77	2.27	13.4	13.6	2.12	50.8	1.33	1.47	9.56
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.00115 UJ	0.00578 UJ	0.00228 UJ	0.00112 UJ	0.00112 UJ	0.00115 UJ	0.00121 UJ	0.00113 UJ	0.0233 UJ	0.00116 UJ	0.00111 UJ	0.0115 UJ
Aroclor-1221 (PCB-1221)	NA	0.00115 UJ	0.00578 UJ	0.00228 UJ	0.00112 UJ	0.00112 UJ	0.00115 UJ	0.00121 UJ	0.00113 UJ	0.0233 UJ	0.00116 UJ	0.00111 UJ	0.0115 UJ
Aroclor-1232 (PCB-1232)	NA	0.00115 UJ	0.00578 UJ	0.00228 UJ	0.00112 UJ	0.00112 UJ	0.00115 UJ	0.00121 UJ	0.00113 UJ	0.0233 UJ	0.00116 UJ	0.00111 UJ	0.0115 UJ
Aroclor-1242 (PCB-1242)	NA	0.00115 UJ	0.00578 UJ	0.00228 UJ	0.00112 UJ	0.00112 UJ	0.00115 UJ	0.00121 UJ	0.00113 UJ	0.0233 UJ	0.00116 UJ	0.00111 UJ	0.0115 UJ
Aroclor-1248 (PCB-1248)	NA	0.00115 UJ	0.00578 UJ	0.00228 UJ	0.00112 UJ	0.00112 UJ	0.00115 UJ	0.00121 UJ	0.00113 UJ	0.0233 UJ	0.00116 UJ	0.00111 UJ	0.0115 UJ
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.00115 UJ	0.111 J-	0.0422 J-	0.00554 J-	0.00193 J-	0.0269 J-	0.00121 UJ	0.00113 UJ	0.696 J-	0.00116 UJ	0.00111 UJ	0.569 J-
Aroclor-1260 (PCB-1260)	NA	0.00115 UJ	0.00578 UJ	0.00697 J-	0.00112 UJ	0.00112 UJ	0.00345 J-	0.00121 UJ	0.00113 UJ	0.0233 UJ	0.00116 UJ	0.00111 UJ	0.0115 UJ
Aroclor-1262 (PCB-1262)	NA	0.00115 UJ	0.00578 UJ	0.00228 UJ	0.00112 UJ	0.00112 UJ	0.00115 UJ	0.00121 UJ	0.00113 UJ	0.0233 UJ	0.00116 UJ	0.00111 UJ	0.0115 UJ
Aroclor-1268 (PCB-1268)	NA	0.00115 UJ	0.00578 UJ	0.00228 UJ	0.00112 UJ	0.00112 UJ	0.00115 UJ	0.00121 UJ	0.00113 UJ	0.0233 UJ	0.00116 UJ	0.00111 UJ	0.0115 UJ
Polychlorinated biphenyls (PCBs)	1	0.00115 UJ	0.111 J-	0.0492 J-	0.00554 J-	0.00193 J-	0.0304 J-	0.00121 UJ	0.00113 UJ	0.696 J-	0.00116 UJ	0.00111 UJ	0.569 J-
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	0.804 J- ± 0.228	**1.14 J- ± 0.292**	0.758 J- ± 0.26	**0.923 J- ± 0.246**	**1.1 J- ± 0.315**	**0.913 J- ± 0.309**	**1.61 J- ± 0.517**	**1.23 J- ± 0.309**	0.805 J- ± 0.403	**1.31 J- ± 0.549**	0.574 J- ± 0.308	**0.841 J- ± 0.453**
Uranium-233 & 234	NA	1.34 ± 0.227	0.532 ± 0.0876	3.1 ± 0.345	0.702 ± 0.101	1.26 ± 0.16	0.816 ± 0.149	5.41 J- ± 0.704	0.715 ± 0.133	3.61 J- ± 1.1	0.595 ± 0.18	0.652 ± 0.179	1.31 J- ± 0.321

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13014	SB-PD-13014	SB-PD-13014	SB-PD-13014	SB-PD-13015	SB-PD-13015	SB-PD-13015	SB-PD-13015	SB-PD-13015	SB-PD-13015	SB-PD-13015	SB-PD-13015
Sample Name	Record of	SB-PD-13014-002-040621	SB-PD-13014-004-040621	SB-PD-13014-006-040621	SB-PD-13014-008-040621	SB-PD-13015-001-041223	SB-PD-13015-002-041223	SB-PD-13015-004-041223	SB-PD-13915-004-041223	SB-PD-13015-006-041223	SB-PD-13015-008-041223	SB-PD-13015-010-041223	SB-PD-13015-012-041223
Sample Date	Decision	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/12/2023	04/12/2023	04/12/2023	04/12/2023	04/12/2023	04/12/2023	04/12/2023	04/12/2023
	Cleanup					618571001	618571002	618571003	618571004	618571005	618571006	618571007	618571008
Lab Sample ID	Level	540274005	540274006	540274007	540274008	L2319539-01	L2319539-02	L2319539-03	L2319539-04	L2319539-05	L2319539-06	L2319539-07	L2319539-08
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Anthracene	NA	0.0635 J-	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.175 J-	0.0208 J-	0.0101 UJ	0.0107 UJ	**6.4**	**0.48**	0.15	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.146 J-	0.0139 J-	0.0101 UJ	0.0107 UJ	**6.4**	**0.51**	0.16	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.196 J-	0.0212 J-	0.0101 UJ	0.0107 UJ	**8.4**	**0.54**	0.19	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	0.072 J-	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	0.0875 J-	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Benzoic acid	NA	0.858 UJ	0.174 UJ	0.168 UJ	0.179 UJ	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Carbazole	NA	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Chrysene	NA	0.139 J-	0.0135 J-	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Fluoranthene	NA	0.358 J-	0.0316 J-	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Fluorene	NA	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.0515 UJ	0.0104 UJ	0.0101 UJ	0.0107 UJ	**3.6**	**0.56**	0.1 J	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Phenanthrene	NA	0.293 J-	0.0188 J-	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Pyrene	NA	0.321 J-	0.0333 J-	0.0101 UJ	0.0107 UJ	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	5.77	5.67	6.43	4.15	6.58 N*	6.2 N*	4.62 N*	6.5 N*	5.1 N*	3.4 N*	3.16 N*	3 N*
Thorium	7.4	5.25 J	**15.3 J**	5.39 J	**7.55 J**	4.29	4.51	3.57	6.18	**7.48**	3.23	2.69	2.55
Uranium	2.7	**7.93**	**6.17**	**4.65**	**6.97**	**25.9**	**3.74**	2.17	2.29	**12.1**	**6.17**	**9.98**	**3.16**
Uranium-235	NA	0.0221	0.0229	0.0206	0.0218	0.0708 N	0.0206 N	0.0125 JN	0.0163 N	0.0425 N	0.0246 N	0.0309 N	0.00941 JN
Uranium-238	NA	7.91	6.15	4.63	6.94	25.8 *	3.72 *	2.16 *	2.28 *	12 *	6.14 *	9.94 *	3.15 *
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0578 UJ	0.0578 UJ	0.00112 UJ	0.00119 UJ	0.661 U	0.0324 U	0.0333 U	0.0325 U	0.0334 U	0.168 U	0.0328 U	0.689 U
Aroclor-1221 (PCB-1221)	NA	0.0578 UJ	0.0578 UJ	0.00112 UJ	0.00119 UJ	0.661 U	0.0324 U	0.0333 U	0.0325 U	0.0334 U	0.168 U	0.0328 U	0.689 U
Aroclor-1232 (PCB-1232)	NA	0.0578 UJ	0.0578 UJ	0.00112 UJ	0.00119 UJ	0.661 U	0.0324 U	0.0333 U	0.0325 U	0.0334 U	0.168 U	0.0328 U	0.689 U
Aroclor-1242 (PCB-1242)	NA	0.0578 UJ	0.0578 UJ	0.00112 UJ	0.00119 UJ	0.661 U	0.0324 U	0.0333 U	0.0325 U	0.0334 U	0.168 U	0.0328 U	0.689 U
Aroclor-1248 (PCB-1248)	NA	0.0578 UJ	0.0578 UJ	0.00112 UJ	0.00119 UJ	0.661 U	0.0324 U	0.0333 U	0.0325 U	0.0334 U	0.168 U	0.0328 U	0.689 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	2.73 J-	2.44 J-	0.00769 J-	0.012 J-	3.71	0.327	0.32	0.0325 U	0.0334 U	1.14	0.058	6.76
Aroclor-1260 (PCB-1260)	NA	0.0578 UJ	0.0578 UJ	0.00112 UJ	0.00119 UJ	0.661 U	0.0324 U	0.0333 U	0.0325 U	0.0334 U	0.168 U	0.0328 U	0.689 U
Aroclor-1262 (PCB-1262)	NA	0.0578 UJ	0.0578 UJ	0.00112 UJ	0.00119 UJ	0.661 U	0.0324 U	0.0333 U	0.0325 U	0.0334 U	0.168 U	0.0328 U	0.689 U
Aroclor-1268 (PCB-1268)	NA	0.0578 UJ	0.0578 UJ	0.00112 UJ	0.00119 UJ	0.661 U	0.0324 U	0.0333 U	0.0325 U	0.0334 U	0.168 U	0.0328 U	0.689 U
Polychlorinated biphenyls (PCBs)	1	**2.73 J-**	**2.44 J-**	0.00769 J-	0.012 J-	**3.71**	0.327	0.32	0.0325 U	0.0334 U	**1.14**	0.058	**6.76**
Other													
Total Solids (%)	NA	-	-	-	-	96.2	97	94.9	97	97	94.2	96	93.9
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	**0.922 J- ± 0.36**	**1.91 J- ± 0.608**	**1.33 J- ± 0.637**	**1.3 J- ± 0.56**	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	1.33 J- ± 0.312	1.45 ± 0.313	1.12 J- ± 0.312	1.11 J- ± 0.266	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13015	SB-PD-13015	SB-PD-13015	SB-PD-13016	SB-PD-13016	SB-PD-13016	SB-PD-13016	SB-PD-13016	SB-PD-13016	SB-PD-13016	SB-PD-13016	SB-PD-13016
Sample Name	Record of	SB-PD-13015-014-041223	SB-PD-13015-016-041223	SB-PD-13015-018-041223	SB-PD-13016-001-041323	SB-PD-13016-002-041323	SB-PD-13016-004-041323	SB-PD-13016-006-041323	SB-PD-13016-008-041323	SB-PD-13016-010-041323	SB-PD-13016-012-041323	SB-PD-13016-014-041323	SB-PD-13016-016-041323
Sample Date	Decision	04/12/2023	04/12/2023	04/12/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023
	Cleanup	618571009	618571010	618571011	618572032	618572033	618572034	618572035	618572036	618572037	618572038	618572039	618572040
Lab Sample ID	Level	L2319539-09	L2319539-10	L2319539-11	L2319891-01	L2319891-02	L2319891-03	L2319891-04	L2319891-05	L2319891-06	L2319891-07	L2319891-08	L2319891-09
Sample Depth (bgs)		14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.11 U	0.12 U	0.11 U	**3**	0.1 U	0.11 U	**0.53 U**	0.11 U	0.11 U	0.12 U	0.11 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.16 U	0.14 U	**3.1**	0.14 U	0.15 U	**0.7 U**	0.15 U	0.14 U	0.16 U	0.15 U
Benzo(b)fluoranthene	0.34	0.1 U	0.11 U	0.12 U	0.11 U	**4**	0.1 U	0.11 U	**0.53 U**	0.11 U	0.11 U	0.12 U	0.11 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.16 U	0.14 U	**2.1**	0.14 U	0.15 U	**0.7 U**	0.15 U	0.14 U	0.16 U	0.15 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	0.621 JN*	0.359 JN*	0.373 UN*	4.03	11.5	5.41	6.11	5.61	4.77	4.53	4.09	3.97
Thorium	7.4	2.09	1.44	1.54	4.33 N	4.83 N	3.62 N	3.54 N	4.3 N	3.76 N	3.2 N	7.39 N	6.41 N
Uranium	2.7	1.35	1.52	**6.46**	**4.25**	2.06	**13.5**	**5.24**	**30.4**	**24.8**	**20**	**15.1**	**29.3**
Uranium-235	NA	0.00564 JN	0.00744 JN	0.0177 N	0.0147 N	0.0116 JN	0.035 N	0.02 N	0.0716 N	0.0586 N	0.0432 N	0.0388 N	0.0685 N
Uranium-238	NA	1.34 *	1.52 *	6.44 *	4.23	2.05	13.5	5.22	30.4	24.7	20	15	29.2
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.685 U	0.0344 U	0.0377 U	0.0354 U	0.164 U	0.175 U	0.184 U	0.709 U	0.175 U	0.0356 U	0.0398 U	0.0379 U
Aroclor-1221 (PCB-1221)	NA	0.685 U	0.0344 U	0.0377 U	0.0354 U	0.164 U	0.175 U	0.184 U	0.709 U	0.175 U	0.0356 U	0.0398 U	0.0379 U
Aroclor-1232 (PCB-1232)	NA	0.685 U	0.0344 U	0.0377 U	0.0354 U	0.164 U	0.175 U	0.184 U	0.709 U	0.175 U	0.0356 U	0.0398 U	0.0379 U
Aroclor-1242 (PCB-1242)	NA	0.685 U	0.0344 U	0.0377 U	0.0354 U	0.164 U	0.175 U	0.184 U	0.709 U	0.175 U	0.0356 U	0.0398 U	0.0379 U
Aroclor-1248 (PCB-1248)	NA	0.685 U	0.0344 U	0.0377 U	0.0354 U	0.164 U	0.175 U	0.184 U	0.709 U	0.175 U	0.0356 U	0.0398 U	0.0379 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	7.68	0.154	0.177	0.55	0.837	1.06	0.89	2.33	0.927	0.0552	0.0398 U	0.0379 U
Aroclor-1260 (PCB-1260)	NA	0.685 U	0.0344 U	0.0377 U	0.0354 U	0.164 U	0.175 U	0.184 U	0.709 U	0.175 U	0.0356 U	0.0398 U	0.0379 U
Aroclor-1262 (PCB-1262)	NA	0.685 U	0.0344 U	0.0377 U	0.0354 U	0.164 U	0.175 U	0.184 U	0.709 U	0.175 U	0.0356 U	0.0398 U	0.0379 U
Aroclor-1268 (PCB-1268)	NA	0.685 U	0.0344 U	0.0377 U	0.0354 U	0.164 U	0.175 U	0.184 U	0.709 U	0.175 U	0.0356 U	0.0398 U	0.0379 U
Polychlorinated biphenyls (PCBs)	1	**7.68**	0.154	0.177	0.55	0.837	**1.06**	0.89	**2.33**	0.927	0.0552	0.0398 U	0.0379 U
Other													
Total Solids (%)	NA	94.3	92.8	83.5	91.6	95.4	94.1	87.2	93.7	89.5	90.2	83.2	87.4
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13016	SB-PD-13017	SB-PD-13017	SB-PD-13017	SB-PD-13017	SB-PD-13017	SB-PD-13017	SB-PD-13017	SB-PD-13017	SB-PD-13017	SB-PD-13017	SB-PD-13017
Sample Name	Record of	SB-PD-13016-018-041323	SB-PD-13017-001-041323	SB-PD-13017-002-041323	SB-PD-13017-004-041323	SB-PD-13017-006-041323	SB-PD-13017-008-041323	SB-PD-13917-008-041323	SB-PD-13017-010-041323	SB-PD-13017-012-041323	SB-PD-13017-014-041323	SB-PD-13017-016-041323	SB-PD-13017-018-041323
Sample Date	Decision	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023
	Cleanup	618572021	618572022	618572023	618572024	618572025	618572026	618572042	618572027	618572028	618572029	618572012	618572013
Lab Sample ID	Level	L2319888-01	L2319888-02	L2319888-03	L2319888-04	L2319888-05	L2319888-06	L2319888-07	L2319888-08	L2319888-09	L2319888-10	L2319895-01	L2319895-02
Sample Depth (bgs)		18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.12 U	0.1 U	0.1 U	0.028 J	0.11 U	0.023 J	0.1 U	0.04 J	0.1 U	0.12 U	0.13 U	0.12 U
Benzo(a)pyrene	0.22	0.16 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.17 U	0.16 U
Benzo(b)fluoranthene	0.34	0.12 U	0.1 U	0.1 U	0.033 J	0.11 U	0.11 U	0.1 U	0.037 J	0.1 U	0.12 U	0.13 U	0.12 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.16 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.17 U	0.16 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	3.84	6.22	4.33	4.71	6.42	6.24	5.07	5.56	3.06	4.56	4.17	3.69
Thorium	7.4	7.17 N	4.4 N	3.22 N	3.71 N	5.45 N	4.98 N	4.6 N	3.95 N	4.72 N	**12.8 N**	**9 N**	6.24 N
Uranium	2.7	**73.1**	**13.5**	**10.2**	**3.92**	**4.54**	**3.45**	**3.77**	**5.6**	**8.3**	**40.5**	**46.8**	**58.5**
Uranium-235	NA	0.158 N	0.0345 N	0.028 N	0.0147 N	0.0171 N	0.015 N	0.016 N	0.0185 N	0.0267 N	0.0985 N	0.11 N	0.133 N
Uranium-238	NA	72.9	13.4	10.2	3.9	4.53	3.43	3.76	5.58	8.27	40.4	46.7	58.4
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0389 U	0.0342 U	0.0335 U	0.0335 U	0.0508 U	0.0355 U	0.0356 U	0.0351 U	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Aroclor-1221 (PCB-1221)	NA	0.0389 U	0.0342 U	0.0335 U	0.0335 U	0.0508 U	0.0355 U	0.0356 U	0.0351 U	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Aroclor-1232 (PCB-1232)	NA	0.0389 U	0.0342 U	0.0335 U	0.0335 U	0.0508 U	0.0355 U	0.0356 U	0.0351 U	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Aroclor-1242 (PCB-1242)	NA	0.0389 U	0.0342 U	0.0335 U	0.0335 U	0.0508 U	0.0355 U	0.0356 U	0.0351 U	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Aroclor-1248 (PCB-1248)	NA	0.0389 U	0.0342 U	0.0335 U	0.0335 U	0.0508 U	0.0355 U	0.0356 U	0.0351 U	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0389 U	0.242	0.0977	0.261	0.0508 U	0.277	0.179	0.288	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Aroclor-1260 (PCB-1260)	NA	0.0389 U	0.0342 U	0.0335 U	0.0335 U	0.0508 U	0.0355 U	0.0356 U	0.0351 U	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Aroclor-1262 (PCB-1262)	NA	0.0389 U	0.0342 U	0.0335 U	0.0335 U	0.0508 U	0.0355 U	0.0356 U	0.0351 U	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Aroclor-1268 (PCB-1268)	NA	0.0389 U	0.0342 U	0.0335 U	0.0335 U	0.0508 U	0.0355 U	0.0356 U	0.0351 U	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Polychlorinated biphenyls (PCBs)	1	0.0389 U	0.242	0.0977	0.261	0.0508 U	0.277	0.179	0.288	0.0349 U	0.0408 U	0.0429 U	0.0413 U
Other													
Total Solids (%)	NA	81.7	94	94.2	95.7	92.6	93.4	93.4	93.6	94.7	79.8	76.9	79.3
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13018	SB-PD-13018	SB-PD-13018	SB-PD-13018	SB-PD-13018	SB-PD-13018	SB-PD-13018	SB-PD-13018	SB-PD-13018	SB-PD-13018	SB-PD-13021	SB-PD-13021
Sample Name	Record of	SB-PD-13018-001-041323	SB-PD-13018-002-041323	SB-PD-13018-004-041323	SB-PD-13018-006-041323	SB-PD-13018-008-041323	SB-PD-13018-010-041323	SB-PD-13018-012-041323	SB-PD-13018-014-041323	SB-PD-13018-016-041323	SB-PD-13018-018-041323	SB-PD-13021-001-041323	SB-PD-13021-002-041323
Sample Date	Decision	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023
	Cleanup	618572014	618572015	618572016	618572017	618572018	618572019	618572020	618572041	618572030	618572031	618572001	618572002
Lab Sample ID	Level	L2319895-03	L2319895-04	L2319895-05	L2319895-06	L2319895-07	L2319895-08	L2319895-09	L2319895-10	L2319897-01	L2319897-02	L2319893-01	L2319893-02
Sample Depth (bgs)		1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 13 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U	0.17 U	0.16 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U	0.17 U	0.16 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	6.8	12.9	7.47	5.58	5.12	5.12	3.77	3.63	3.96	3.09	4.94	5.04
Thorium	7.4	4.42 N	4.93 N	3.43 N	4.8 N	5.1 N	5.71 N	6.82 N	6.13 N	**9.29 N**	4.62 N	4.19 N	4.87 N
Uranium	2.7	**5.71**	**2.88**	**11.3**	**8.4**	**35.6**	**6.6**	**7.64**	**40.8**	**230**	**36.4**	2.51	1.56
Uranium-235	NA	0.0175 N	0.0125 N	0.028 N	0.0238 N	0.0812 N	0.0212 N	0.0259 N	0.0902 N	0.484 N	0.0853 N	0.0119 JN	0.00935 JN
Uranium-238	NA	5.69	2.87	11.3	8.38	35.5	6.58	7.62	40.7	230	36.3	2.5	1.55
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.168 U	0.0335 U	0.17 U	0.173 U	0.0344 U	0.0324 U	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.0332 U	0.0338 U
Aroclor-1221 (PCB-1221)	NA	0.168 U	0.0335 U	0.17 U	0.173 U	0.0344 U	0.0324 U	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.0332 U	0.0338 U
Aroclor-1232 (PCB-1232)	NA	0.168 U	0.0335 U	0.17 U	0.173 U	0.0344 U	0.0324 U	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.0332 U	0.0338 U
Aroclor-1242 (PCB-1242)	NA	0.168 U	0.0335 U	0.17 U	0.173 U	0.0344 U	0.0324 U	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.0332 U	0.0338 U
Aroclor-1248 (PCB-1248)	NA	0.168 U	0.0335 U	0.17 U	0.173 U	0.0344 U	0.0324 U	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.0332 U	0.0338 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	1.61	0.0335 U	0.422	0.813	0.395	0.172	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.186	0.074
Aroclor-1260 (PCB-1260)	NA	0.168 U	0.0335 U	0.17 U	0.173 U	0.0344 U	0.0324 U	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.0332 U	0.0338 U
Aroclor-1262 (PCB-1262)	NA	0.168 U	0.0335 U	0.17 U	0.173 U	0.0344 U	0.0324 U	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.0332 U	0.0338 U
Aroclor-1268 (PCB-1268)	NA	0.168 U	0.0335 U	0.17 U	0.173 U	0.0344 U	0.0324 U	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.0332 U	0.0338 U
Polychlorinated biphenyls (PCBs)	1	**1.61**	0.0335 U	0.422	0.813	0.395	0.172	0.0345 U	0.0383 U	0.0401 U	0.0376 U	0.186	0.074
Other													
Total Solids (%)	NA	95.9	96.7	95.5	94	93.5	96.7	91.8	85.8	78.8	83.5	95.9	96.7
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13021	SB-PD-13021	SB-PD-13021	SB-PD-13021	SB-PD-13021	SB-PD-13021	SB-PD-13021	SB-PD-13021	SB-PD-13021	SB-PD-13022	SB-PD-13022	SB-PD-13022
Sample Name	Record of	SB-PD-13021-004-041323	SB-PD-13021-006-041323	SB-PD-13021-008-041323	SB-PD-13021-010-041323	SB-PD-13021-012-041323	SB-PD-13021-014-041323	SB-PD-13921-014-041323	SB-PD-13021-016-041323	SB-PD-13021-018-041323	SB-PD-13022-001-041423	SB-PD-13022-002-041423	SB-PD-13022-004-041423
Sample Date	Decision	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/13/2023	04/14/2023	04/14/2023	04/14/2023
	Cleanup	618572003	618572004	618572005	618572006	618572007	618572008	618572009	618572010	618572011	618902001	618902002	618902003
Lab Sample ID	Level	L2319893-03	L2319893-04	L2319893-05	L2319893-06	L2319893-07	L2319885-01	L2319885-02	L2319885-03	L2319885-04	L2320267-01	L2320267-02	L2320267-03
Sample Depth (bgs)		4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.12 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Benzo(a)pyrene	0.22	0.15 U	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.15 U	0.14 U
Benzo(b)fluoranthene	0.34	0.12 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.15 U	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.15 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	6.26	10.1	1.94	2.4	2.17	5.37	4.19	5.46	3.65	3.49	5.08	5.36
Thorium	7.4	**8.76 N**	**8.5 N**	3.62 N	4.6 N	4.4 N	4.93 N	6.32 N	4.63 N	4.77 N	3.11	3.95	3.31
Uranium	2.7	2.6	**3.05**	1.02	1.67	1.27	1.71	**3.84**	**4.2**	**7.66**	**7.51**	1	**3.64**
Uranium-235	NA	0.0161 N	0.0212 N	0.00745 JN	0.0092 JN	0.00893 JN	0.0113 JN	0.0147 N	0.0153 N	0.0208 N	0.0203	0.00694 J	0.0128 J
Uranium-238	NA	2.58	3.03	1.01	1.66	1.26	1.7	3.83	4.19	7.64	7.49 N	0.997 N	3.63 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0366 U	0.0328 U	0.0339 U	0.0334 U	0.0329 U	0.0337 U	0.0363 U	0.0335 U	0.0343 U	0.165 U	0.037 U	0.0472 U
Aroclor-1221 (PCB-1221)	NA	0.0366 U	0.0328 U	0.0339 U	0.0334 U	0.0329 U	0.0337 U	0.0363 U	0.0335 U	0.0343 U	0.165 U	0.037 U	0.0472 U
Aroclor-1232 (PCB-1232)	NA	0.0366 U	0.0328 U	0.0339 U	0.0334 U	0.0329 U	0.0337 U	0.0363 U	0.0335 U	0.0343 U	0.165 U	0.037 U	0.0472 U
Aroclor-1242 (PCB-1242)	NA	0.0366 U	0.0328 U	0.0339 U	0.0334 U	0.0329 U	0.0337 U	0.0363 U	0.0335 U	0.0343 U	0.165 U	0.037 U	0.0472 U
Aroclor-1248 (PCB-1248)	NA	0.0366 U	0.0328 U	0.0339 U	0.0334 U	0.0329 U	0.0337 U	0.0363 U	0.0335 U	0.0343 U	0.165 U	0.037 U	0.0472 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0867	0.0328 U	0.0339 U	0.193	0.0329 U	0.0337 U	0.0363 U	0.0394	0.0343 U	0.861	0.037 U	0.506
Aroclor-1260 (PCB-1260)	NA	0.0366 U	0.0328 U	0.0339 U	0.0334 U	0.0329 U	0.0337 U	0.067	0.0335 U	0.0343 U	0.165 U	0.037 U	0.0472 U
Aroclor-1262 (PCB-1262)	NA	0.0366 U	0.0328 U	0.0339 U	0.0334 U	0.0329 U	0.0337 U	0.0363 U	0.0335 U	0.0343 U	0.165 U	0.037 U	0.0472 U
Aroclor-1268 (PCB-1268)	NA	0.0366 U	0.0328 U	0.0339 U	0.0334 U	0.0329 U	0.0337 U	0.0363 U	0.0335 U	0.0343 U	0.165 U	0.037 U	0.0472 U
Polychlorinated biphenyls (PCBs)	1	0.0867	0.0328 U	0.0339 U	0.193	0.0329 U	0.0337 U	0.067	0.0394	0.0343 U	0.861	0.037 U	0.506
Other													
Total Solids (%)	NA	85.9	96.4	93.6	97.1	98.2	96.7	87.9	96.2	96.2	96.4	89.5	98
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13022	SB-PD-13022	SB-PD-13022	SB-PD-13022	SB-PD-13022	SB-PD-13022	SB-PD-13022	SB-PD-13024	SB-PD-13024	SB-PD-13024	SB-PD-13024	SB-PD-13024
Sample Name	Record of	SB-PD-13022-006-041423	SB-PD-13022-008-041423	SB-PD-13022-010-041423	SB-PD-13022-012-041423	SB-PD-13022-014-041423	SB-PD-13022-016-041423	SB-PD-13022-018-041423	SB-PD-13024-001-041423	SB-PD-13024-002-041423	SB-PD-13024-004-041423	SB-PD-13024-006-041423	SB-PD-13024-008-041423
Sample Date	Decision	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023
	Cleanup	618902004	618902005	618902006	618902007	618902008	618902009	618902010	618902011	618902012	618902013	618902014	618902015
Lab Sample ID	Level	L2320267-04	L2320267-05	L2320267-06	619120001	619120002	619120003	619120004	L2320264-01	619120007	L2320264-02	L2320264-03	L2320264-04
Sample Depth (bgs)		6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Anthracene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.11 U	0.0104 U	0.0119 U	0.0116 U	0.0117 U	0.1 U	0.0263 J	0.1 U	0.12 U	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.14 U	0.0104 U	0.0119 U	0.0116 U	0.0117 U	0.14 U	0.0319 J	0.13 U	0.16 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.11 U	0.0104 U	0.0119 U	0.0116 U	0.0117 U	0.1 U	0.0471	0.1 U	0.12 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0395	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Benzoic acid	NA	-	-	-	0.174 U	0.198 U	0.193 U	0.195 U	-	0.173 U	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	0.0104 U	0.0194 J	0.0116 U	0.0117 U	-	0.0412	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Carbazole	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Chrysene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0325 J	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Fluoranthene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0415 B	-	-	-
Fluorene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0104 U	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.14 U	0.0104 U	0.0119 U	0.0116 U	0.0117 U	0.14 U	0.0319 J	0.13 U	0.16 U	0.14 U
Phenanthrene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0166 J	-	-	-
Pyrene	NA	-	-	-	0.0104 U	0.0119 U	0.0116 U	0.0117 U	-	0.0395 B	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.16	10.4	5.06	4.51	3.19	2.37	3.39	3.94	6.28	3.61	12.5	8.55
Thorium	7.4	4.07	6.45	3.79	4.67	5.82	4.36	**8.85**	4.09	4.21	4.74	**8.22**	2.86
Uranium	2.7	1.36	1.67	2.05	**53.1**	**65.9**	**46.2**	**65.1**	**3.12**	**21.3**	2.1	1.99	1.07
Uranium-235	NA	0.00973 J	0.0119 J	0.0126 J	0.124	0.14	0.108	0.15	0.014	0.0785	0.0127 J	0.0141	0.00733 J
Uranium-238	NA	1.35 N	1.66 N	2.04 N	53 N	65.7 N	46.1 N	64.9 N	3.11 N	21.2 N	2.08 N	1.98 N	1.07 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0476 U	0.0494 U	0.0528 U	0.00118 U	0.131 U	0.0013 U	0.00131 U	0.0337 U	0.00579 U	0.0326 U	0.0396 U	0.0338 U
Aroclor-1221 (PCB-1221)	NA	0.0476 U	0.0494 U	0.0528 U	0.00118 U	0.131 U	0.0013 U	0.00131 U	0.0337 U	0.00579 U	0.0326 U	0.0396 U	0.0338 U
Aroclor-1232 (PCB-1232)	NA	0.0476 U	0.0494 U	0.0528 U	0.00118 U	0.131 U	0.0013 U	0.00131 U	0.0337 U	0.00579 U	0.0326 U	0.0396 U	0.0338 U
Aroclor-1242 (PCB-1242)	NA	0.0476 U	0.0494 U	0.0528 U	0.00118 U	0.131 U	0.0013 U	0.00131 U	0.0337 U	0.00579 U	0.0326 U	0.0396 U	0.0338 U
Aroclor-1248 (PCB-1248)	NA	0.0476 U	0.0494 U	0.0528 U	0.00118 U	0.131 U	0.0013 U	0.00131 U	0.0337 U	0.00579 U	0.0326 U	0.0396 U	0.0338 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0476 U	0.0494 U	0.321	0.00264 J	2.77	0.00415	0.00131 U	0.0754	0.274	0.116	0.0396 U	0.0338 U
Aroclor-1260 (PCB-1260)	NA	0.0476 U	0.0494 U	0.0528 U	0.00118 U	0.131 U	0.0013 U	0.00131 U	0.0337 U	0.121	0.0326 U	0.0396 U	0.0338 U
Aroclor-1262 (PCB-1262)	NA	0.0476 U	0.0494 U	0.0528 U	0.00118 U	0.131 U	0.0013 U	0.00131 U	0.0337 U	0.00579 U	0.0326 U	0.0396 U	0.0338 U
Aroclor-1268 (PCB-1268)	NA	0.0476 U	0.0494 U	0.0528 U	0.00118 U	0.131 U	0.0013 U	0.00131 U	0.0337 U	0.00579 U	0.0326 U	0.0396 U	0.0338 U
Polychlorinated biphenyls (PCBs)	1	0.0476 U	0.0494 U	0.321	0.00264 J	**2.77**	0.00415	0.00131 U	0.0754	0.395	0.116	0.0396 U	0.0338 U
Other													
Total Solids (%)	NA	96.2	95	92.4	-	-	-	-	94.5	-	97.6	79.5	97.5
Total Solids (mg/kg)	NA	-	-	-	929000 H	862000 H	819000 H	823000 H	-	936000 H	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13024	SB-PD-13024	SB-PD-13024	SB-PD-13024	SB-PD-13024	SB-PD-13024	SB-PD-13025	SB-PD-13025	SB-PD-13025	SB-PD-13025	SB-PD-13025	SB-PD-13025
Sample Name	Record of	SB-PD-13024-010-041423	SB-PD-13024-012-041423	SB-PD-13024-014-041423	SB-PD-13024-016-041423	SB-PD-13924-016-041423	SB-PD-13024-018-041423	SB-PD-13025-001-041723	SB-PD-13025-002-041723	SB-PD-13025-004-041723	SB-PD-13925-004-041723	SB-PD-13025-006-041723	SB-PD-13025-008-041723
Sample Date	Decision	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/14/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023
	Cleanup	618902016	618902017	618902018	618902019	618902020	618902021	618915001	618915002	618915003	618915041	618915004	618915005
Lab Sample ID	Level	L2320264-05	L2320268-01	L2320268-02	L2320268-03	L2320268-04	L2320268-05	L2320410-01	L2320410-02	619120006	L2320411-01	L2320410-03	L2320410-04
Sample Depth (bgs)		10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.0105 U	0.1 U	0.1 U	0.12 U
Benzo(a)pyrene	0.22	0.14 U	0.13 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.13 U	0.0105 U	0.14 U	0.14 U	0.16 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.0105 U	0.1 U	0.1 U	0.12 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	0.174 U	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.13 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.13 U	0.0105 U	0.14 U	0.14 U	0.16 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	8.93	3.42	2.37	3.61	3.88	2.99	4.71	3.23	7.87	5.65	6.92	4.93
Thorium	7.4	4.43	4.68	2.56	6.12	**7.55**	4.03	4.72 N*	4.27 N*	6.98 N*	5.94 N*	5.7 N*	**23.3 N***
Uranium	2.7	2.03	0.852	1.07	1.89	2.32	1.23	**3.36**	**3.63**	1.34	1.14	2.16	2.61
Uranium-235	NA	0.0112 J	0.00607 J	0.00694 J	0.0136 J	0.0169	0.00892 J	0.0134 N*	0.0147 N*	0.00909 JN*	0.0084 JN*	0.0159 N*	0.019 N*
Uranium-238	NA	2.01 N	0.846 N	1.07 N	1.88 N	2.3 N	1.22 N	3.34 N*	3.61 N*	1.33 N*	1.13 N*	2.14 N*	2.59 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.0485 U	0.0514 U	0.00118 U	0.0515 U	0.0482 U	0.0551 U
Aroclor-1221 (PCB-1221)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.0485 U	0.0514 U	0.00118 U	0.0515 U	0.0482 U	0.0551 U
Aroclor-1232 (PCB-1232)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.0485 U	0.0514 U	0.00118 U	0.0515 U	0.0482 U	0.0551 U
Aroclor-1242 (PCB-1242)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.0485 U	0.0514 U	0.00118 U	0.0515 U	0.0482 U	0.0551 U
Aroclor-1248 (PCB-1248)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.0485 U	0.0514 U	0.00118 U	0.0515 U	0.0482 U	0.0551 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.147	0.525	0.00118 U	0.0515 U	0.0482 U	0.0551 U
Aroclor-1260 (PCB-1260)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.0485 U	0.0514 U	0.00118 U	0.0515 U	0.0482 U	0.511
Aroclor-1262 (PCB-1262)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.0485 U	0.0514 U	0.00118 U	0.0515 U	0.0482 U	0.0551 U
Aroclor-1268 (PCB-1268)	NA	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.0485 U	0.0514 U	0.00118 U	0.0515 U	0.0482 U	0.0551 U
Polychlorinated biphenyls (PCBs)	1	0.0327 U	0.0498 U	0.0511 U	0.0529 U	0.0542 U	0.0527 U	0.147	0.525	0.00118 U	0.0515 U	0.0482 U	0.511
Other													
Total Solids (%)	NA	97.4	96.9	95	91.6	89	93.6	95.9	96.4	-	94.9	96.2	82.7
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	952000	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13025	SB-PD-13025	SB-PD-13025	SB-PD-13025	SB-PD-13025	SB-PD-13026	SB-PD-13026	SB-PD-13026	SB-PD-13026	SB-PD-13026	SB-PD-13026	SB-PD-13026
Sample Name	Record of	SB-PD-13025-010-041723	SB-PD-13025-012-041723	SB-PD-13025-014-041723	SB-PD-13025-016-041723	SB-PD-13025-018-041723	SB-PD-13026-001-041723	SB-PD-13026-002-041723	SB-PD-13026-004-041723	SB-PD-13026-006-041723	SB-PD-13026-008-041723	SB-PD-13026-010-041723	SB-PD-13026-012-041723
Sample Date	Decision	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023
	Cleanup	618915006	618915007	618915008	618915009	618915010	618915011	618915012	618915013	618915014	618915015	618915016	618915017
Lab Sample ID	Level	L2320410-05	L2320410-06	L2320410-07	619120005	L2320410-08	L2320407-01	L2320407-02	L2320407-03	L2320407-04	L2320407-05	L2320407-06	L2320407-07
Sample Depth (bgs)		10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.11 U	0.1 U	0.1 U	0.01 U	0.12 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.15 U	0.13 U	0.14 U	0.01 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
Benzo(b)fluoranthene	0.34	0.11 U	0.1 U	0.1 U	0.01 U	0.12 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	0.167 U	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.15 U	0.13 U	0.14 U	0.01 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
Phenanthrene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	0.01 U	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	5.07	3.74	2.31	2.13	3.88	6.27	6.24	4.13	7.52	4.61	2.99	2.73
Thorium	7.4	6.54 N*	5.42 N*	3.57 N*	2.84 N*	4.31 N*	4.13 N*	3.7 N*	5.55 N*	**10.1 N***	6.3 N*	3.18 N*	3.62 N*
Uranium	2.7	2.28	1.23	1.06	1.08	1.23	**5.96**	2.46	1.46	**3.9**	1.88	1.43	1.09
Uranium-235	NA	0.0151 N*	0.00875 JN*	0.00824 JN*	0.00864 JN*	0.00941 JN*	0.02 N*	0.0128 JN*	0.0103 JN*	0.0286 N*	0.0141 N*	0.0109 JN*	0.00835 JN*
Uranium-238	NA	2.26 N*	1.22 N*	1.05 N*	1.07 N*	1.22 N*	5.94 N*	2.44 N*	1.45 N*	3.87 N*	1.86 N*	1.42 N*	1.08 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.0504 U	0.0487 U	0.0547 U	0.051 U	0.0513 U	0.0494 U	0.0508 U
Aroclor-1221 (PCB-1221)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.0504 U	0.0487 U	0.0547 U	0.051 U	0.0513 U	0.0494 U	0.0508 U
Aroclor-1232 (PCB-1232)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.0504 U	0.0487 U	0.0547 U	0.051 U	0.0513 U	0.0494 U	0.0508 U
Aroclor-1242 (PCB-1242)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.0504 U	0.0487 U	0.0547 U	0.051 U	0.0513 U	0.0494 U	0.0508 U
Aroclor-1248 (PCB-1248)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.0504 U	0.0487 U	0.0547 U	0.051 U	0.0513 U	0.0494 U	0.0508 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.423	0.0838	0.0547 U	0.051 U	0.0578	0.0494 U	0.0508 U
Aroclor-1260 (PCB-1260)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.0504 U	0.0487 U	0.0547 U	0.051 U	0.0513 U	0.0494 U	0.0508 U
Aroclor-1262 (PCB-1262)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.0504 U	0.0487 U	0.0547 U	0.051 U	0.0513 U	0.0494 U	0.0508 U
Aroclor-1268 (PCB-1268)	NA	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.0504 U	0.0487 U	0.0547 U	0.051 U	0.0513 U	0.0494 U	0.0508 U
Polychlorinated biphenyls (PCBs)	1	0.0528 U	0.0481 U	0.0485 U	0.00111 U	0.0568 U	0.423	0.0838	0.0547 U	0.051 U	0.0578	0.0494 U	0.0508 U
Other													
Total Solids (%)	NA	88.6	96.8	94.6	-	85.5	94.3	94	90.4	94.6	96.1	97.4	97.6
Total Solids (mg/kg)	NA	-	-	-	977000	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13026	SB-PD-13026	SB-PD-13026	SB-PD-13027	SB-PD-13027	SB-PD-13027	SB-PD-13027	SB-PD-13027	SB-PD-13027	SB-PD-13027	SB-PD-13027	SB-PD-13027
Sample Name	Record of	SB-PD-13026-014-041723	SB-PD-13026-016-041723	SB-PD-13026-018-041723	SB-PD-13027-001-041723	SB-PD-13027-002-041723	SB-PD-13027-004-041723	SB-PD-13027-006-041723	SB-PD-13027-008-041723	SB-PD-13927-008-041723	SB-PD-13027-010-041723	SB-PD-13027-012-041723	SB-PD-13027-014-041723
Sample Date	Decision	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023
	Cleanup	618915018	618915019	618915020	618915021	618915022	618915023	618915024	618915025	618915042	618915026	618915027	618915028
Lab Sample ID	Level	L2320407-08	L2320407-09	L2320407-10	L2320403-01	L2320403-02	L2320403-03	L2320403-04	L2320403-05	L2320411-02	L2320403-06	L2320403-07	L2320403-08
Sample Depth (bgs)		14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.11 U	0.11 U	0.1 U	0.03 J	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.15 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.11 U	0.11 U	0.1 U	0.048 J	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.15 U	0.15 U	0.14 U	0.04 J	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.18	3.22	3.06	7.55	4.52	6.42	7.77	6.35	7.81	8.17	2.48	1.94
Thorium	7.4	3.71 N*	4.38 N*	3.19 N*	4.27 N*	4.07 N*	6.56 N*	5.75 N*	6.15 N*	3.84 N*	5.45 N*	3.23 N*	4.78 N*
Uranium	2.7	0.829	1.17	0.78	**3.35**	**5.06**	1.58	1.21	1.89	1.3	1.47	1.18	0.885
Uranium-235	NA	0.00617 JN*	0.00874 JN*	0.00584 JN*	0.0137 JN*	0.018 N*	0.0111 JN*	0.00912 JN*	0.014 JN*	0.00917 JN*	0.0108 JN*	0.0096 JN*	0.00639 JN*
Uranium-238	NA	0.823 N*	1.16 N*	0.774 N*	3.33 N*	5.04 N*	1.57 N*	1.2 N*	1.88 N*	1.3 N*	1.46 N*	1.17 N*	0.879 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0493 U	0.0529 U	0.0568 U	0.258 U	0.05 U	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.0499 U	0.0519 U	0.0516 U
Aroclor-1221 (PCB-1221)	NA	0.0493 U	0.0529 U	0.0568 U	0.258 U	0.05 U	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.0499 U	0.0519 U	0.0516 U
Aroclor-1232 (PCB-1232)	NA	0.0493 U	0.0529 U	0.0568 U	0.258 U	0.05 U	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.0499 U	0.0519 U	0.0516 U
Aroclor-1242 (PCB-1242)	NA	0.0493 U	0.0529 U	0.0568 U	0.258 U	0.05 U	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.0499 U	0.0519 U	0.0516 U
Aroclor-1248 (PCB-1248)	NA	0.0493 U	0.0529 U	0.0568 U	0.258 U	0.05 U	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.0499 U	0.0519 U	0.0516 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0493 U	0.0529 U	0.0568 U	1.29	0.473	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.284	0.0764	0.0516 U
Aroclor-1260 (PCB-1260)	NA	0.0493 U	0.0529 U	0.0568 U	0.258 U	0.05 U	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.0499 U	0.0519 U	0.0516 U
Aroclor-1262 (PCB-1262)	NA	0.0493 U	0.0529 U	0.0568 U	0.258 U	0.05 U	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.0499 U	0.0519 U	0.0516 U
Aroclor-1268 (PCB-1268)	NA	0.0493 U	0.0529 U	0.0568 U	0.258 U	0.05 U	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.0499 U	0.0519 U	0.0516 U
Polychlorinated biphenyls (PCBs)	1	0.0493 U	0.0529 U	0.0568 U	**1.29**	0.473	0.0522 U	0.05 U	0.0526 U	0.0504 U	0.284	0.0764	0.0516 U
Other													
Total Solids (%)	NA	94	89.4	87.9	95.5	91.7	93.1	93.8	90	91.3	93.1	95.9	94.7
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13027	SB-PD-13027	SB-PD-13028	SB-PD-13028	SB-PD-13028	SB-PD-13028	SB-PD-13028	SB-PD-13028	SB-PD-13028	SB-PD-13028	SB-PD-13028	SB-PD-13028
Sample Name	Record of	SB-PD-13027-016-041723	SB-PD-13027-018-041723	SB-PD-13028-001-041723	SB-PD-13028-002-041723	SB-PD-13028-004-041723	SB-PD-13028-006-041723	SB-PD-13028-008-041723	SB-PD-13028-010-041723	SB-PD-13028-012-041723	SB-PD-13028-014-041723	SB-PD-13028-016-041723	SB-PD-13028-018-041723
Sample Date	Decision	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023	04/17/2023
	Cleanup	618915029	618915030	618915031	618915032	618915033	618915034	618915035	618915036	618915037	618915038	618915039	618915040
Lab Sample ID	Level	L2320403-09	L2320403-10	L2320402-01	L2320402-02	L2320402-03	L2320402-04	L2320402-05	L2320402-06	L2320402-07	L2320402-08	L2320402-09	L2320402-10
Sample Depth (bgs)		16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.11 U	0.12 U	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.12 U
Benzo(a)pyrene	0.22	0.14 U	0.16 U	0.14 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U
Benzo(b)fluoranthene	0.34	0.11 U	0.12 U	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.12 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.16 U	0.14 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	1.75	3.14	4	4.14	4.81	5.98	7.05	7.42	6.23	2.83	10.3	3.12
Thorium	7.4	3.78 N*	6.78 N*	3.34 N*	3.93 N*	4.74 N*	4.48 N*	4.93 N*	4.81 N*	6.42 N*	3.94 N*	4.26 N*	6.69 N*
Uranium	2.7	1.29	**53.8**	**2.77**	**14.1**	1.43	**3.66**	1.34	1.24	1.49	1.49	1.2	**46.2**
Uranium-235	NA	0.00963 JN*	0.129 N*	0.0125 JN*	0.0374 N*	0.00886 JN*	0.0137 N*	0.00919 JN*	0.00805 JN*	0.0101 JN*	0.0103 JN*	0.00888 JN*	0.113 N*
Uranium-238	NA	1.28 N*	53.7 N*	2.76 N*	14 N*	1.42 N*	3.65 N*	1.33 N*	1.23 N*	1.48 N*	1.48 N*	1.19 N*	46.1 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0531 U	0.0566 U	0.257 U	0.242 U	0.262 U	0.0551 U	0.0522 U	0.0514 U	0.052 U	0.0534 U	0.0478 U	0.0561 U
Aroclor-1221 (PCB-1221)	NA	0.0531 U	0.0566 U	0.257 U	0.242 U	0.262 U	0.0551 U	0.0522 U	0.0514 U	0.052 U	0.0534 U	0.0478 U	0.0561 U
Aroclor-1232 (PCB-1232)	NA	0.0531 U	0.0566 U	0.257 U	0.242 U	0.262 U	0.0551 U	0.0522 U	0.0514 U	0.052 U	0.0534 U	0.0478 U	0.0561 U
Aroclor-1242 (PCB-1242)	NA	0.0531 U	0.0566 U	0.257 U	0.242 U	0.262 U	0.0551 U	0.0522 U	0.0514 U	0.052 U	0.0534 U	0.0478 U	0.0561 U
Aroclor-1248 (PCB-1248)	NA	0.0531 U	0.0566 U	0.257 U	0.242 U	0.262 U	0.0551 U	0.0522 U	0.0514 U	0.052 U	0.0534 U	0.0478 U	0.0561 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0531 U	0.0566 U	1.72	2.54	0.262 U	0.0857	0.0522 U	0.0993	0.0918	0.0534 U	0.0478 U	0.0561 U
Aroclor-1260 (PCB-1260)	NA	0.0531 U	0.0566 U	0.257 U	0.242 U	0.262 U	0.0551 U	0.0522 U	0.0514 U	0.052 U	0.0534 U	0.0478 U	0.0561 U
Aroclor-1262 (PCB-1262)	NA	0.0531 U	0.0566 U	0.257 U	0.242 U	0.262 U	0.0551 U	0.0522 U	0.0514 U	0.052 U	0.0534 U	0.0478 U	0.0561 U
Aroclor-1268 (PCB-1268)	NA	0.0531 U	0.0566 U	0.257 U	0.242 U	0.262 U	0.0551 U	0.0522 U	0.0514 U	0.052 U	0.0534 U	0.0478 U	0.0561 U
Polychlorinated biphenyls (PCBs)	1	0.0531 U	0.0566 U	**1.72**	**2.54**	0.262 U	0.0857	0.0522 U	0.0993	0.0918	0.0534 U	0.0478 U	0.0561 U
Other													
Total Solids (%)	NA	92	82.8	92.4	94.8	91.8	88.4	90.8	93	92.6	90.2	96.4	82.1
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13029	SB-PD-13030
Sample Name	Record of	SB-PD-13029-001-041823	SB-PD-13929-001-041823	SB-PD-13029-002-041823	SB-PD-13029-004-041823	SB-PD-13029-006-041823	SB-PD-13029-008-041823	SB-PD-13029-010-041823	SB-PD-13029-012-041823	SB-PD-13029-014-041823	SB-PD-13029-016-041823	SB-PD-13029-018-041823	SB-PD-13030-001-041823
Sample Date	Decision	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023
	Cleanup	619192001	619192051	619192002	619192003	619120011	619192005	619192006	619192007	619192008	619120012	619192010	619192011
Lab Sample ID	Level	L2320698-01	L2320711-01	L2320698-02	L2320698-03	619192004	L2320698-04	L2320698-05	L2320698-06	L2320698-07	619192009	L2320698-08	L2320703-01
Sample Depth (bgs)		1 - 2 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Anthracene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Benzo(a)anthracene	0.34	0.11 U	0.11 U	0.12 U	0.11 U	0.0103 U	0.1 U	0.1 U	0.11 U	0.1 U	0.0101 U	0.1 U	0.021 J
Benzo(a)pyrene	0.22	0.15 U	0.15 U	0.16 U	0.14 U	0.0103 U	0.14 U	0.13 U	0.14 U	0.13 U	0.0101 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.11 U	0.11 U	0.12 U	0.11 U	0.0103 U	0.1 U	0.1 U	0.11 U	0.1 U	0.0101 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Benzoic acid	NA	-	-	-	-	0.171 U	-	-	-	-	0.169 U	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Carbazole	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Chrysene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Fluoranthene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Fluorene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.15 U	0.15 U	0.16 U	0.14 U	0.0103 U	0.14 U	0.13 U	0.14 U	0.13 U	0.0101 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Pyrene	NA	-	-	-	-	0.0103 U	-	-	-	-	0.0101 U	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.91 N	5.82 N	4.51 N	4.66 N	6.13 N	8.64 N	2.88 N	2.44 N	3.05 N	2.29 N	3.97 N	4.1 N
Thorium	7.4	3.39 N	3.69 N	3.61 N	3.89 N	5.15 N	3.54 N	4.33 N	3.34 N	3.13 N	2.67 N	3.12 N	3.61 N
Uranium	2.7	**5.91**	**6.06**	**3.96**	**3.62**	2.63	2.17	1.08	1.57	0.797	0.615	0.794	**2.74**
Uranium-235	NA	0.0201 N*	0.0207 N*	0.0147 JN*	0.0155 N*	0.019 N*	0.0155 N*	0.00793 JN*	0.011 JN*	0.00546 JN*	0.00426 JN*	0.00537 JN*	0.0111 JN*
Uranium-238	NA	5.89 N*	6.04 N*	3.95 N*	3.6 N*	2.61 N*	2.15 N*	1.08 N*	1.56 N*	0.791 N*	0.61 N*	0.789 N*	2.73 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0538 U	0.272 U	0.057 U	0.0517 U	0.00114 U	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00113 U	0.0503 U	0.0473 U
Aroclor-1221 (PCB-1221)	NA	0.0538 U	0.272 U	0.057 U	0.0517 U	0.00114 U	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00113 U	0.0503 U	0.0473 U
Aroclor-1232 (PCB-1232)	NA	0.0538 U	0.272 U	0.057 U	0.0517 U	0.00114 U	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00113 U	0.0503 U	0.0473 U
Aroclor-1242 (PCB-1242)	NA	0.0538 U	0.272 U	0.057 U	0.0517 U	0.00114 U	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00113 U	0.0503 U	0.0473 U
Aroclor-1248 (PCB-1248)	NA	0.0538 U	0.272 U	0.057 U	0.0517 U	0.00114 U	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00113 U	0.0503 U	0.0473 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.548	0.645	0.304	0.164	0.00266 J	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00303 J	0.0503 U	0.075
Aroclor-1260 (PCB-1260)	NA	0.0538 U	0.272 U	0.057 U	0.0517 U	0.00114 U	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00113 U	0.0503 U	0.0473 U
Aroclor-1262 (PCB-1262)	NA	0.0538 U	0.272 U	0.057 U	0.0517 U	0.00114 U	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00113 U	0.0503 U	0.0473 U
Aroclor-1268 (PCB-1268)	NA	0.0538 U	0.272 U	0.057 U	0.0517 U	0.00114 U	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00113 U	0.0503 U	0.0473 U
Polychlorinated biphenyls (PCBs)	1	0.548	0.645	0.304	0.164	0.00266 J	0.0482 U	0.049 U	0.0505 U	0.0494 U	0.00303 J	0.0503 U	0.075
Other													
Total Solids (%)	NA	89.1	89.3	82.5	92.2	-	96	96.7	93	97.6	-	94.1	96.4
Total Solids (mg/kg)	NA	-	-	-	-	966000	-	-	-	-	979000	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13030	SB-PD-13030	SB-PD-13030	SB-PD-13030	SB-PD-13030	SB-PD-13030	SB-PD-13030	SB-PD-13030	SB-PD-13030	SB-PD-13031	SB-PD-13031	SB-PD-13031
Sample Name	Record of	SB-PD-13030-002-041823	SB-PD-13030-004-041823	SB-PD-13030-006-041823	SB-PD-13030-008-041823	SB-PD-13030-010-041823	SB-PD-13030-012-041823	SB-PD-13030-014-041823	SB-PD-13030-016-041823	SB-PD-13030-018-041823	SB-PD-13031-001-041823	SB-PD-13031-002-041823	SB-PD-13031-004-041823
Sample Date	Decision	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023
	Cleanup	619192012	619192013	619192014	619192015	619192016	619192017	619192018	619192019	619192020	619192021	619120010	619192023
Lab Sample ID	Level	L2320703-02	L2320703-03	L2320703-04	L2320703-05	L2320703-06	L2320703-07	L2320703-08	L2320703-09	L2320703-10	L2320707-01	619192022	L2320707-02
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.024 J	0.1 U	0.1 U	0.1 U	0.1 U	0.0283 J	0.099 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.028 J	0.13 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0353	0.099 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	0.0207 J	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	0.173 U	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	0.0273 J	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	0.0595 B	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	0.0104 U	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.0211 J	0.13 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	0.0373	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	0.0484 B	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.52 N	3.05 N	4.24 N	4.59 N	4.46 N	3.09 N	3.17 N	2.39 N	1.74 N	7.08 N	4.38 N	2.1 N
Thorium	7.4	3.35 N	3.74 N	6.21 N	5.18 N	4.9 N	3.33 N	3.41 N	2.54 N	3.13 N	5.65 N	3.64 N	5.26 N
Uranium	2.7	**18.1**	**3.39**	1.64	1.13	2.08	0.731	0.794	0.678	0.731	**9.34**	**3.96**	**3.59**
Uranium-235	NA	0.0425 N*	0.0158 N*	0.0117 JN*	0.008 JN*	0.0117 JN*	0.00501 JN*	0.00546 JN*	0.00479 JN*	0.00494 JN*	0.0257 N*	0.0151 N*	0.0113 JN*
Uranium-238	NA	18.1 N*	3.37 N*	1.63 N*	1.12 N*	2.07 N*	0.726 N*	0.789 N*	0.673 N*	0.727 N*	9.31 N*	3.94 N*	3.58 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.249 U	0.0496 U	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0491 U	1.14 U	0.0481 U
Aroclor-1221 (PCB-1221)	NA	0.249 U	0.0496 U	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0491 U	1.14 U	0.0481 U
Aroclor-1232 (PCB-1232)	NA	0.249 U	0.0496 U	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0491 U	1.14 U	0.0481 U
Aroclor-1242 (PCB-1242)	NA	0.249 U	0.0496 U	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0491 U	1.14 U	0.0481 U
Aroclor-1248 (PCB-1248)	NA	0.249 U	0.0496 U	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0491 U	1.14 U	0.0481 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	1.48	0.241	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0512	55.3	0.0481 U
Aroclor-1260 (PCB-1260)	NA	0.249 U	0.0496 U	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0491 U	1.14 U	0.0481 U
Aroclor-1262 (PCB-1262)	NA	0.249 U	0.0496 U	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0491 U	1.14 U	0.0481 U
Aroclor-1268 (PCB-1268)	NA	0.249 U	0.0496 U	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0491 U	1.14 U	0.0481 U
Polychlorinated biphenyls (PCBs)	1	**1.48**	0.241	0.0485 U	0.0486 U	0.0503 U	0.0499 U	0.0496 U	0.0485 U	0.0491 U	0.0512	**55.3**	0.0481 U
Other													
Total Solids (%)	NA	97.9	95.9	97.7	97.7	95.6	96.8	97.9	96.4	97.3	93.6	-	98.4
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	954000	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name		SB-PD-13031	SB-PD-13031	SB-PD-13031	SB-PD-13031	SB-PD-13031	SB-PD-13031	SB-PD-13031	SB-PD-13031	SB-PD-13032	SB-PD-13032	SB-PD-13032	SB-PD-13032
Sample Name	Record of	SB-PD-13031-006-041823	SB-PD-13031-008-041823	SB-PD-13031-010-041823	SB-PD-13031-012-041823	SB-PD-13031-014-041823	SB-PD-13931-014-041823	SB-PD-13031-016-041823	SB-PD-13031-018-041823	SB-PD-13032-001-041823	SB-PD-13032-002-041823	SB-PD-13032-004-041823	SB-PD-13032-006-041823
Sample Date	Decision	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023
	Cleanup	619192024	619192025	619192026	619192027	619192028	619192052	619192029	619192030	619192031	619120008	619192033	619192034
Lab Sample ID	Level	L2320707-03	L2320707-04	L2320707-05	L2320707-06	L2320707-07	L2320711-02	L2320707-08	L2320707-09	L2320710-01	619192032	L2320710-02	L2320710-03
Sample Depth (bgs)		6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.0512 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.0512 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.0512 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	0.854 U	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.0512 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	0.0512 U	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.24 N	4.11 N	2.63 N	5.14 N	2.04 N	3 N	2.43 N	2.96 N	**15.2 N**	9.46 N	6.76 N	5.35 N
Thorium	7.4	4.33 N	6.65 N	3.52 N	3.55 N	2.94 N	3.69 N	3.01 N	3 N	4.46 N	6.67 N	4.41 N	4.79 N
Uranium	2.7	1.17	1.97	1.18	1.01	0.579	1	0.727	0.78	1.36	**5.61**	**3.44**	1.52
Uranium-235	NA	0.00879 JN*	0.0137 N*	0.00784 JN*	0.00753 JN*	0.00419 JN*	0.00743 JN*	0.00539 JN*	0.00552 JN*	0.00877 JN*	0.0196 N*	0.0127 N*	0.011 JN*
Uranium-238	NA	1.17 N*	1.95 N*	1.17 N*	1 N*	0.575 N*	0.993 N*	0.721 N*	0.775 N*	1.35 N*	5.59 N*	3.43 N*	1.5 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.0512 U	0.0115 U	0.0473 U	0.0508 U
Aroclor-1221 (PCB-1221)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.0512 U	0.0115 U	0.0473 U	0.0508 U
Aroclor-1232 (PCB-1232)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.0512 U	0.0115 U	0.0473 U	0.0508 U
Aroclor-1242 (PCB-1242)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.0512 U	0.0115 U	0.0473 U	0.0508 U
Aroclor-1248 (PCB-1248)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.0512 U	0.0115 U	0.0473 U	0.0508 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.13	0.0517	0.0473 U	0.0508 U
Aroclor-1260 (PCB-1260)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.0512 U	0.0115 U	0.0473 U	0.0508 U
Aroclor-1262 (PCB-1262)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.0512 U	0.0115 U	0.0473 U	0.0508 U
Aroclor-1268 (PCB-1268)	NA	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.0512 U	0.0115 U	0.0473 U	0.0508 U
Polychlorinated biphenyls (PCBs)	1	0.0484 U	0.0481 U	0.0481 U	0.0471 U	0.0494 U	0.0485 U	0.047 U	0.0495 U	0.13	0.0517	0.0473 U	0.0508 U
Other													
Total Solids (%)	NA	97.8	95.1	98	96.8	97.5	97.6	97.4	96.3	92.2	-	96.1	97.3
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	952000	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13032	SB-PD-13032	SB-PD-13032	SB-PD-13032	SB-PD-13032	SB-PD-13032	SB-PD-13033	SB-PD-13033	SB-PD-13033	SB-PD-13033	SB-PD-13033	SB-PD-13033
Sample Name	Record of	SB-PD-13032-008-041823	SB-PD-13032-010-041823	SB-PD-13032-012-041823	SB-PD-13032-014-041823	SB-PD-13032-016-041823	SB-PD-13032-018-041823	SB-PD-13033-001-041823	SB-PD-13033-002-041823	SB-PD-13033-004-041823	SB-PD-13033-006-041823	SB-PD-13033-008-041823	SB-PD-13033-010-041823
Sample Date	Decision	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023
	Cleanup	619192035	619192036	619192037	619192038	619192039	619192040	619192041	619192042	619192043	619192044	619192045	619192046
Lab Sample ID	Level	L2320710-04	L2320710-05	L2320710-06	L2320710-07	L2320710-08	L2320710-09	L2320713-01	L2320713-02	L2320713-03	L2320713-04	L2320713-05	L2320713-06
Sample Depth (bgs)		8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.021 J	0.1 U	0.1 U	0.1 U	0.027 J
Benzo(a)pyrene	0.22	0.14 U	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.14 U	0.14 U	0.13 U	0.14 U	0.13 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.033 J
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.15 U	0.15 U	0.15 U	0.14 U	0.15 U	0.14 U	0.14 U	0.13 U	0.14 U	0.13 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.19 N	4.42 N	3.58 N	3.92 N	4.42 N	4.64 N	10.9 N	11.2 N	5.08 N	2.24 N	4.83 N	6.58 N
Thorium	7.4	5.89 N	4.72 N	6.94 N	5.81 N	3.89 N	5.11 N	4.01 N	4.62 N	4.08 N	3.58 N	5.57 N	5.27 N
Uranium	2.7	1.6	1.81	1.62	1.49	0.972	1.4	**15.6**	**10.5**	**6.79**	0.81	1.79	**13.4**
Uranium-235	NA	0.0111 JN*	0.00984 JN*	0.0115 JN*	0.0108 JN*	0.00733 JN*	0.01 JN*	0.0394 N*	0.0298 N*	0.0215 N*	0.0057 JN*	0.013 JN*	0.0513 N*
Uranium-238	NA	1.59 N*	1.8 N*	1.61 N*	1.47 N*	0.965 N*	1.39 N*	15.6 N*	10.4 N*	6.77 N*	0.804 N*	1.78 N*	13.3 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	0.991 U	0.257 U	0.0506 U	0.0494 U	0.0478 U	0.0503 U
Aroclor-1221 (PCB-1221)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	0.991 U	0.257 U	0.0506 U	0.0494 U	0.0478 U	0.0503 U
Aroclor-1232 (PCB-1232)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	0.991 U	0.257 U	0.0506 U	0.0494 U	0.0478 U	0.0503 U
Aroclor-1242 (PCB-1242)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	0.991 U	0.257 U	0.0506 U	0.0494 U	0.0478 U	0.0503 U
Aroclor-1248 (PCB-1248)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	0.991 U	0.257 U	0.0506 U	0.0494 U	0.0478 U	0.0503 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	2.62	1.7	0.164	0.0494 U	0.0478 U	0.559
Aroclor-1260 (PCB-1260)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	0.991 U	0.257 U	0.0506 U	0.0494 U	0.0478 U	0.0503 U
Aroclor-1262 (PCB-1262)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	0.991 U	0.257 U	0.0506 U	0.0494 U	0.0478 U	0.0503 U
Aroclor-1268 (PCB-1268)	NA	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	0.991 U	0.257 U	0.0506 U	0.0494 U	0.0478 U	0.0503 U
Polychlorinated biphenyls (PCBs)	1	0.0486 U	0.0548 U	0.0548 U	0.0538 U	0.0492 U	0.0508 U	**2.62**	**1.7**	0.164	0.0494 U	0.0478 U	0.559
Other													
Total Solids (%)	NA	97.4	84.4	87	86.3	94.6	89.7	95.3	95.7	98.4	97.2	97	94.8
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13033	SB-PD-13033	SB-PD-13033	SB-PD-13033	SB-PD-13033	SB-PD-13034	SB-PD-13034	SB-PD-13034	SB-PD-13034	SB-PD-13034	SB-PD-13034	SB-PD-13034
Sample Name	Record of	SB-PD-13033-012-041823	SB-PD-13033-014-041823	SB-PD-13033-016-041823	SB-PD-13933-016-041823	SB-PD-13033-018-041823	SB-PD-13034-001-041923	SB-PD-13034-002-041923	SB-PD-13034-004-041923	SB-PD-13034-006-041923	SB-PD-13034-008-041923	SB-PD-13034-010-041923	SB-PD-13034-012-041923
Sample Date	Decision	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/18/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023
	Cleanup	619192047	619120009	619192049	619192053	619192050	619226001	619226002	619226003	619226004	619226005	619226006	619226007
Lab Sample ID	Level	L2320713-07	619192048	L2320713-10	L2320711-03	L2320713-09	L2321005-01	619239010	L2321005-02	L2321005-03	L2321005-04	L2321005-05	L2321005-06
Sample Depth (bgs)		12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Anthracene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Benzo(a)anthracene	0.34	0.12 U	0.0111 U	0.1 U	0.1 U	0.1 U	0.1 U	0.102 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.17 U	0.0111 U	0.14 U	0.14 U	0.14 U	0.14 U	0.102 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.12 U	0.0111 U	0.1 U	0.1 U	0.1 U	0.1 U	0.102 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Benzoic acid	NA	-	0.185 U	-	-	-	-	1.7 U	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Carbazole	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Chrysene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Fluoranthene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Fluorene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.17 U	0.0111 U	0.14 U	0.14 U	0.14 U	0.14 U	0.102 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U
Phenanthrene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Pyrene	NA	-	0.0111 U	-	-	-	-	0.102 U	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	5.44 N	3.63 N	2.8 N	2.65 N	7.4 N	3.82	4.84	5.43	4.39	2.62	3.67	4.96
Thorium	7.4	**9.5 N**	5.57 N	4.06 N	4.67 N	4.65 N	5.23 N	5.17 N	4.65 N	**7.84 N**	3.86 N	5.01 N	4.79 N
Uranium	2.7	2.28	**70.3**	1.07	1.23	1.92	2.11	**2.91**	**4.57**	**2.86**	**2.95**	**16.4**	1.22
Uranium-235	NA	0.0165 N*	0.15 N*	0.0079 JN*	0.00878 JN*	0.0141 N*	0.0124 JN	0.0127 JN	0.0189 N	0.0196 N	0.014 N	0.0515 N	0.00864 JN
Uranium-238	NA	2.26 N*	70.2 N*	1.06 N*	1.22 N*	1.9 N*	2.09 N	2.9 N	4.56 N	2.84 N	2.93 N	16.3 N	1.21 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0597 U	0.00124 U	0.0478 U	0.0504 U	0.0474 U	0.0482 U	0.0572 U	0.049 U	0.0483 U	0.05 U	0.0477 U	0.0477 U
Aroclor-1221 (PCB-1221)	NA	0.0597 U	0.00124 U	0.0478 U	0.0504 U	0.0474 U	0.0482 U	0.0572 U	0.049 U	0.0483 U	0.05 U	0.0477 U	0.0477 U
Aroclor-1232 (PCB-1232)	NA	0.0597 U	0.00124 U	0.0478 U	0.0504 U	0.0474 U	0.0482 U	0.0572 U	0.049 U	0.0483 U	0.05 U	0.0477 U	0.0477 U
Aroclor-1242 (PCB-1242)	NA	0.0597 U	0.00124 U	0.0478 U	0.0504 U	0.0474 U	0.0482 U	0.0572 U	0.049 U	0.0483 U	0.05 U	0.0477 U	0.0477 U
Aroclor-1248 (PCB-1248)	NA	0.0597 U	0.00124 U	0.0478 U	0.0504 U	0.0474 U	0.0482 U	0.0572 U	0.049 U	0.0483 U	0.05 U	0.0477 U	0.0477 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0597 U	0.0256	0.0478 U	0.0561	0.0474 U	0.133	1.62	0.316	0.0516	0.05 U	0.0541	0.0477 U
Aroclor-1260 (PCB-1260)	NA	0.0597 U	0.00124 U	0.0478 U	0.0504 U	0.0474 U	0.0482 U	0.442	0.049 U	0.0483 U	0.05 U	0.0477 U	0.0477 U
Aroclor-1262 (PCB-1262)	NA	0.0597 U	0.00124 U	0.0478 U	0.0504 U	0.0474 U	0.0482 U	0.0572 U	0.049 U	0.0483 U	0.05 U	0.0477 U	0.0477 U
Aroclor-1268 (PCB-1268)	NA	0.0597 U	0.00124 U	0.0478 U	0.0504 U	0.0474 U	0.0482 U	0.0572 U	0.049 U	0.0483 U	0.05 U	0.0477 U	0.0477 U
Polychlorinated biphenyls (PCBs)	1	0.0597 U	0.0256	0.0478 U	0.0561	0.0474 U	0.133	**2.06**	0.316	0.0516	0.05 U	0.0541	0.0477 U
Other													
Total Solids (%)	NA	79.3	-	96.6	94.6	96.8	95.1	-	95.1	96	98.3	98.1	97.4
Total Solids (mg/kg)	NA	-	920000	-	-	-	-	955000	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13034	SB-PD-13034	SB-PD-13034	SB-PD-13035	SB-PD-13035	SB-PD-13035	SB-PD-13035	SB-PD-13035	SB-PD-13035	SB-PD-13035	SB-PD-13035	SB-PD-13035
Sample Name	Record of	SB-PD-13034-014-041923	SB-PD-13034-016-041923	SB-PD-13034-018-041923	SB-PD-13035-001-041923	SB-PD-13035-002-041923	SB-PD-13035-004-041923	SB-PD-13035-006-041923	SB-PD-13035-008-041923	SB-PD-13035-010-041923	SB-PD-13035-012-041923	SB-PD-13035-014-041923	SB-PD-13035-016-041923
Sample Date	Decision	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023
	Cleanup	619226008	619226009	619226010	619226011	619226012	619226013	619226014	619226015	619226016	619226017	619226018	619226019
Lab Sample ID	Level	L2321005-07	L2321005-08	L2321005-09	619239009	L2321006-01	L2321006-02	L2321006-03	L2321006-04	L2321006-05	L2321006-06	L2321006-07	L2321006-08
Sample Depth (bgs)		14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.099 U	0.0107 U	0.022 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.099 U
Benzo(a)pyrene	0.22	0.13 U	0.14 U	0.13 U	0.0107 U	0.14 U	0.14 U	0.13 U	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.099 U	0.0107 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.099 U
Benzo(g,h,i)perylene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	0.179 U	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.13 U	0.14 U	0.13 U	0.0107 U	0.14 U	0.14 U	0.13 U	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U
Phenanthrene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	0.0107 U	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	3.19	3.12	2.86	4.69	8.37	5.49	2.46	3.09	3.5	3.97	3.13	3.13
Thorium	7.4	3.99 N	3.79 N	5.3 N	3.95 N	4.2 N	5.3 N	3.76 N	4.81 N	4.11 N	4.78 N	4.58 N	4.11 N
Uranium	2.7	**3.89**	0.989	1.79	**25.8**	**10.4**	**23.7**	1.17	1.48	1.75	0.95	**3.25**	1.02
Uranium-235	NA	0.0158 N	0.00681 JN	0.00964 JN	0.064 N	0.0312 N	0.058 N	0.00825 JN	0.0102 JN	0.00915 JN	0.00687 JN	0.0232 N	0.00702 JN
Uranium-238	NA	3.88 N	0.982 N	1.78 N	25.8 N	10.4 N	23.7 N	1.16 N	1.47 N	1.74 N	0.943 N	3.22 N	1.01 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0466 U	0.0466 U	0.0487 U	0.0587 U	0.0515 U	0.0498 U	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Aroclor-1221 (PCB-1221)	NA	0.0466 U	0.0466 U	0.0487 U	0.0587 U	0.0515 U	0.0498 U	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Aroclor-1232 (PCB-1232)	NA	0.0466 U	0.0466 U	0.0487 U	0.0587 U	0.0515 U	0.0498 U	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Aroclor-1242 (PCB-1242)	NA	0.0466 U	0.0466 U	0.0487 U	0.0587 U	0.0515 U	0.0498 U	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Aroclor-1248 (PCB-1248)	NA	0.0466 U	0.0466 U	0.0487 U	0.0587 U	0.0515 U	0.0498 U	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0466 U	0.0466 U	0.0487 U	1.35	0.73	0.232	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Aroclor-1260 (PCB-1260)	NA	0.0466 U	0.0466 U	0.0487 U	0.395	0.0515 U	0.0498 U	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Aroclor-1262 (PCB-1262)	NA	0.0466 U	0.0466 U	0.0487 U	0.0587 U	0.0515 U	0.0498 U	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Aroclor-1268 (PCB-1268)	NA	0.0466 U	0.0466 U	0.0487 U	0.0587 U	0.0515 U	0.0498 U	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Polychlorinated biphenyls (PCBs)	1	0.0466 U	0.0466 U	0.0487 U	**1.74**	0.73	0.232	0.0499 U	0.051 U	0.0468 U	0.05 U	0.0491 U	0.0487 U
Other													
Total Solids (%)	NA	97.7	98	98.2	-	93	91.9	96.2	97.4	97.8	98	98.5	98.3
Total Solids (mg/kg)	NA	-	-	-	928000	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13035	SB-PD-13035	SB-PD-13036	SB-PD-13036	SB-PD-13036	SB-PD-13036	SB-PD-13036	SB-PD-13036	SB-PD-13036	SB-PD-13036	SB-PD-13036	SB-PD-13036
Sample Name	Record of	SB-PD-13035-018-041923	SB-PD-13935-018-041923	SB-PD-13036-001-041923	SB-PD-13036-002-041923	SB-PD-13036-004-041923	SB-PD-13036-006-041923	SB-PD-13036-008-041923	SB-PD-13036-010-041923	SB-PD-13036-012-041923	SB-PD-13036-014-041923	SB-PD-13036-016-041923	SB-PD-13036-018-041923
Sample Date	Decision	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023
	Cleanup	619226020	619226051	619226021	619226022	619226023	619226024	619226025	619226026	619226027	619226028	619226029	619226030
Lab Sample ID	Level	L2321006-09	L2321007-01	L2321000-01	L2321000-02	L2321000-03	L2321000-04	L2321000-05	L2321000-06	L2321000-07	L2321000-08	L2321000-09	L2321000-10
Sample Depth (bgs)		18 - 20 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.13 U	0.13 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.13 U	0.13 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	2.39	2.51	5.27	4.97	6.01	6.03	4.18	4.06	3.75	3.32	3.59	3.29
Thorium	7.4	4.2 N	4.46 N	3.98 N	4.8 N	6.21 N	**7.65 N**	4.89 N	6.25 N	5.11 N	4.75 N	4.58 N	4.16 N
Uranium	2.7	1.06	0.967	**8.37**	**8.1**	1.84	2.06	1.75	1.4	1.08	1.13	1.07	0.884
Uranium-235	NA	0.0079 JN	0.00673 JN	0.0231 N	0.0234 N	0.0115 JN	0.0147 N	0.0124 JN	0.00997 JN	0.00806 JN	0.00817 JN	0.00794 JN	0.00638 JN
Uranium-238	NA	1.05 N	0.96 N	8.34 N	8.08 N	1.83 N	2.05 N	1.73 N	1.39 N	1.08 N	1.13 N	1.06 N	0.877 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0492 U	0.0471 U	0.0489 U	0.252 U	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Aroclor-1221 (PCB-1221)	NA	0.0492 U	0.0471 U	0.0489 U	0.252 U	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Aroclor-1232 (PCB-1232)	NA	0.0492 U	0.0471 U	0.0489 U	0.252 U	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Aroclor-1242 (PCB-1242)	NA	0.0492 U	0.0471 U	0.0489 U	0.252 U	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Aroclor-1248 (PCB-1248)	NA	0.0492 U	0.0471 U	0.0489 U	0.252 U	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0492 U	0.0471 U	0.519	1.54	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Aroclor-1260 (PCB-1260)	NA	0.0492 U	0.0471 U	0.0489 U	0.252 U	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Aroclor-1262 (PCB-1262)	NA	0.0492 U	0.0471 U	0.0489 U	0.252 U	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Aroclor-1268 (PCB-1268)	NA	0.0492 U	0.0471 U	0.0489 U	0.252 U	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Polychlorinated biphenyls (PCBs)	1	0.0492 U	0.0471 U	0.519	**1.54**	0.0484 U	0.0471 U	0.0501 U	0.0511 U	0.0495 U	0.0489 U	0.0508 U	0.0499 U
Other													
Total Solids (%)	NA	98.5	98.3	95	95.6	97.2	97.6	94.8	91.2	96.9	94.8	96.1	96.6
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13037	SB-PD-13038
Sample Name	Record of	SB-PD-13037-001-041923	SB-PD-13037-002-041923	SB-PD-13037-004-041923	SB-PD-13037-006-041923	SB-PD-13037-008-041923	SB-PD-13937-008-041923	SB-PD-13037-010-041923	SB-PD-13037-012-041923	SB-PD-13037-014-041923	SB-PD-13037-016-041923	SB-PD-13037-018-041923	SB-PD-13038-001-041923
Sample Date	Decision	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023
	Cleanup	619226031	619226032	619226033	619226034	619226035	619226052	619226036	619226037	619226038	619226039	619226040	619226041
Lab Sample ID	Level	619239008	L2320994-01	L2320994-02	L2320994-03	619239006	619239007	L2320994-04	L2320994-05	L2320994-06	L2320994-07	L2320994-08	619239002
Sample Depth (bgs)		1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Anthracene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Benzo(a)anthracene	0.34	0.0105 U	**0.47**	0.1 U	0.1 U	0.0104 U	0.0101 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0131 J
Benzo(a)pyrene	0.22	0.0105 U	**0.48**	0.14 U	0.13 U	0.0104 U	0.0101 U	0.14 U	0.14 U	0.13 U	0.14 U	0.13 U	0.0104 U
Benzo(b)fluoranthene	0.34	0.0105 U	**0.56**	0.1 U	0.1 U	0.0104 U	0.0101 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0104 U
Benzo(g,h,i)perylene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Benzo(k)fluoranthene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Benzoic acid	NA	0.175 U	-	-	-	0.173 U	0.169 U	-	-	-	-	-	0.173 U
bis(2-Ethylhexyl)phthalate	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Butyl benzylphthalate (BBP)	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Carbazole	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Chrysene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Dibenz(a,h)anthracene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Di-n-butylphthalate (DBP)	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Di-n-octyl phthalate (DnOP)	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Fluoranthene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0176 J
Fluorene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Indeno(1,2,3-cd)pyrene	0.34	0.0105 U	0.33	0.14 U	0.13 U	0.0104 U	0.0101 U	0.14 U	0.14 U	0.13 U	0.14 U	0.13 U	0.0104 U
Phenanthrene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0104 U
Pyrene	NA	0.0105 U	-	-	-	0.0104 U	0.0101 U	-	-	-	-	-	0.0145 J
Inorganic Compounds (mg/kg)													
Arsenic	13.7	5.13	7.72	5.41	6.34	8.3	6.01	5.31	3.37	3.29	3.13	3.34	6.25
Thorium	7.4	3.91 N	5.64 N	5.91 N	4.55 N	6.21 N	5.03 N	5.08 N	4.37 N	4.69 N	4.56 N	4.98 N	5.61 N
Uranium	2.7	**119**	**4.55**	**19.9**	1.26	2.18	**5.2**	1.63	0.97	1.21	1	1.06	**10.3**
Uranium-235	NA	0.243 N	0.0208 N	0.0474 N	0.00876 JN	0.0155 N	0.0184 N	0.0104 JN	0.00711 JN	0.00829 JN	0.00699 JN	0.00773 JN	0.0289 N
Uranium-238	NA	118 N	4.53 N	19.9 N	1.25 N	2.16 N	5.19 N	1.62 N	0.963 N	1.2 N	0.993 N	1.05 N	10.2 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.00592 U	0.254 U	0.0502 U	0.0497 U	0.00113 U	0.00112 U	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.0115 U
Aroclor-1221 (PCB-1221)	NA	0.00592 U	0.254 U	0.0502 U	0.0497 U	0.00113 U	0.00112 U	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.0115 U
Aroclor-1232 (PCB-1232)	NA	0.00592 U	0.254 U	0.0502 U	0.0497 U	0.00113 U	0.00112 U	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.0115 U
Aroclor-1242 (PCB-1242)	NA	0.00592 U	0.254 U	0.0502 U	0.0497 U	0.00113 U	0.00112 U	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.0115 U
Aroclor-1248 (PCB-1248)	NA	0.00592 U	0.254 U	0.0502 U	0.0497 U	0.00113 U	0.00112 U	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.0115 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0876	3.63	0.259	0.0497 U	0.00113 U	0.0183	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.391
Aroclor-1260 (PCB-1260)	NA	0.0264	0.254 U	0.0502 U	0.0497 U	0.00113 U	0.00112 U	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.0115 U
Aroclor-1262 (PCB-1262)	NA	0.00592 U	0.254 U	0.0502 U	0.0497 U	0.00113 U	0.00112 U	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.0115 U
Aroclor-1268 (PCB-1268)	NA	0.00592 U	0.254 U	0.0502 U	0.0497 U	0.00113 U	0.00112 U	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.0115 U
Polychlorinated biphenyls (PCBs)	1	0.114	**3.63**	0.259	0.0497 U	0.00113 U	0.0183	0.0524 U	0.0504 U	0.0476 U	0.0531 U	0.0495 U	0.391
Other													
Total Solids (%)	NA	-	92.9	95.4	97.2	-	-	93.2	96	96.7	94	97.1	-
Total Solids (mg/kg)	NA	919000	-	-	-	973000	956000	-	-	-	-	-	957000
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13038	SB-PD-13038	SB-PD-13038	SB-PD-13038	SB-PD-13038	SB-PD-13038	SB-PD-13038	SB-PD-13038	SB-PD-13038	SB-PD-13039	SB-PD-13039	SB-PD-13039
Sample Name	Record of	SB-PD-13038-002-041923	SB-PD-13038-004-041923	SB-PD-13038-006-041923	SB-PD-13038-008-041923	SB-PD-13038-010-041923	SB-PD-13038-012-041923	SB-PD-13038-014-041923	SB-PD-13038-016-041923	SB-PD-13038-018-041923	SB-PD-13039-001-042023	SB-PD-13939-001-042023	SB-PD-13039-002-042023
Sample Date	Decision	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/19/2023	04/20/2023	04/20/2023	04/20/2023
	Cleanup	619226042	619226043	619226044	619226045	619226046	619226047	619226048	619226049	619226050	619662031	619662061	619662032
Lab Sample ID	Level	L2320990-01	L2320990-02	L2320990-03	619239001	619239004	619239005	L2320990-04	619239003	L2320990-05	L2321455-01	L2321469-01	L2321455-02
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	1 - 2 (ft)	2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Anthracene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.0117 U	0.0103 U	0.0105 U	0.1 U	0.0106 U	0.11 U	0.028 J	0.1 U	0.073 J
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.14 U	0.0117 U	0.0103 U	0.0105 U	0.14 U	0.0106 U	0.14 U	0.14 U	0.13 U	0.072 J
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.0117 U	0.0103 U	0.0105 U	0.1 U	0.0106 U	0.11 U	0.03 J	0.1 U	0.083 J
Benzo(g,h,i)perylene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Benzoic acid	NA	-	-	-	0.196 U	0.171 U	0.175 U	-	0.176 U	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Carbazole	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Chrysene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Fluoranthene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Fluorene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.14 U	0.0117 U	0.0103 U	0.0105 U	0.14 U	0.0106 U	0.14 U	0.14 U	0.13 U	0.04 J
Phenanthrene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Pyrene	NA	-	-	-	0.0117 U	0.0103 U	0.0105 U	-	0.0106 U	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.16	8.03	5.72	4.59	3.86	2.92	4.81	3.57	2.46	5.24	6.12	8.06
Thorium	7.4	4.6 N	5.62 N	7.23 N	5.99 N	5.25 N	4.75 N	5.9 N	4.62 N	4.6 N	4.01 N*	5.02 N*	6.4 N*
Uranium	2.7	**2.97**	**8.59**	**23.6**	**17.4**	**38.7**	**34.7**	**4.08**	1.06	1.07	**19.8**	**20.6**	**5.53**
Uranium-235	NA	0.0141 JN	0.024 N	0.0596 N	0.0479 N	0.0838 N	0.0717 N	0.0216 N	0.00744 JN	0.00745 JN	0.0507 N*	0.0548 N*	0.0237 N*
Uranium-238	NA	2.95 N	8.56 N	23.5 N	17.3 N	38.6 N	34.7 N	4.06 N	1.05 N	1.07 N	19.7 N*	20.5 N*	5.51 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.05 U	0.0512 U	0.0487 U	0.00127 U	0.00112 U	0.00116 U	0.0517 U	0.00117 U	0.0498 U	0.243 U	0.956 U	0.0487 U
Aroclor-1221 (PCB-1221)	NA	0.05 U	0.0512 U	0.0487 U	0.00127 U	0.00112 U	0.00116 U	0.0517 U	0.00117 U	0.0498 U	0.243 U	0.956 U	0.0487 U
Aroclor-1232 (PCB-1232)	NA	0.05 U	0.0512 U	0.0487 U	0.00127 U	0.00112 U	0.00116 U	0.0517 U	0.00117 U	0.0498 U	0.243 U	0.956 U	0.0487 U
Aroclor-1242 (PCB-1242)	NA	0.05 U	0.0512 U	0.0487 U	0.00127 U	0.00112 U	0.00116 U	0.0517 U	0.00117 U	0.0498 U	0.243 U	0.956 U	0.0487 U
Aroclor-1248 (PCB-1248)	NA	0.05 U	0.0512 U	0.0487 U	0.00127 U	0.00112 U	0.00116 U	0.0517 U	0.00117 U	0.0498 U	0.243 U	0.956 U	0.0487 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.082	0.0512 U	0.0487 U	0.00127 U	0.00443	0.00116 U	0.0517 U	0.00117 U	0.0498 U	1.02	2.82	0.846
Aroclor-1260 (PCB-1260)	NA	0.05 U	0.0512 U	0.0487 U	0.00127 U	0.00112 U	0.00116 U	0.0517 U	0.00117 U	0.0498 U	0.243 U	0.956 U	0.0487 U
Aroclor-1262 (PCB-1262)	NA	0.05 U	0.0512 U	0.0487 U	0.00127 U	0.00112 U	0.00116 U	0.0517 U	0.00117 U	0.0498 U	0.243 U	0.956 U	0.0487 U
Aroclor-1268 (PCB-1268)	NA	0.05 U	0.0512 U	0.0487 U	0.00127 U	0.00112 U	0.00116 U	0.0517 U	0.00117 U	0.0498 U	0.243 U	0.956 U	0.0487 U
Polychlorinated biphenyls (PCBs)	1	0.082	0.0512 U	0.0487 U	0.00127 U	0.00443	0.00116 U	0.0517 U	0.00117 U	0.0498 U	**1.02**	**2.82**	0.846
Other													
Total Solids (%)	NA	95.2	95.6	94.9	-	-	-	95.1	-	92.3	95.9	96	94.1
Total Solids (mg/kg)	NA	-	-	-	826000	972000	958000	-	933000	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13039	SB-PD-13039	SB-PD-13039	SB-PD-13039	SB-PD-13039	SB-PD-13039	SB-PD-13039	SB-PD-13039	SB-PD-13040	SB-PD-13040	SB-PD-13040	SB-PD-13040
Sample Name	Record of	SB-PD-13039-004-042023	SB-PD-13039-006-042023	SB-PD-13039-008-042023	SB-PD-13039-010-042023	SB-PD-13039-012-042023	SB-PD-13039-014-042023	SB-PD-13039-016-042023	SB-PD-13039-018-042023	SB-PD-13040-001-042023	SB-PD-13040-002-042023	SB-PD-13040-004-042023	SB-PD-13040-006-042023
Sample Date	Decision	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
	Cleanup	619662033	619662034	619662035	619662036	619662037	619662038	619662039	619662040	619662001	619662002	619662003	619662004
Lab Sample ID	Level	L2321455-03	L2321455-04	L2321455-05	L2321455-06	L2321455-07	L2321455-08	619725011	L2321455-09	L2321460-01	L2321460-02	619725010	L2321460-03
Sample Depth (bgs)		4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0295 J	-
Anthracene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0394	-
Benzo(a)anthracene	0.34	**0.72**	0.1 U	0.1 U	0.024 J	0.1 U	0.1 U	0.01 U	0.1 U	**1.4**	0.063 J	0.0853	0.1 U
Benzo(a)pyrene	0.22	**0.66**	0.14 U	0.14 U	0.13 U	0.14 U	0.13 U	0.01 U	0.13 U	**1.2**	0.062 J	0.0758	0.14 U
Benzo(b)fluoranthene	0.34	**0.78**	0.1 U	0.1 U	0.031 J	0.1 U	0.1 U	0.01 U	0.1 U	**1.5**	0.067 J	0.105	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0466	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0379	-
Benzoic acid	NA	-	-	-	-	-	-	0.167 U	-	-	-	0.35 J	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0109 U	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0109 U	-
Carbazole	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0332 J	-
Chrysene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0948	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0109 U	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0109 U	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0109 U	-
Fluoranthene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.218	-
Fluorene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.0226 J	-
Indeno(1,2,3-cd)pyrene	0.34	**0.4**	0.14 U	0.14 U	0.13 U	0.14 U	0.13 U	0.01 U	0.13 U	**0.79**	0.033 J	0.0448	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.193	-
Pyrene	NA	-	-	-	-	-	-	0.01 U	-	-	-	0.175	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	3.19	3.27	2.3	4.62	5.41	3.68	2.96	1.99	4.61	9.42	5.74	5.93
Thorium	7.4	3.99 N*	5.36 N*	3.95 N*	4.29 N*	3.46 N*	3.97 N*	3.02 N*	3.94 N*	3.6 N*	4.99 N*	5.05 N*	6.56 N*
Uranium	2.7	**9.53**	2.09	1.27	1.54	1.23	1.38	0.953	1.02	**4.08**	**316**	**73.6**	1.32
Uranium-235	NA	0.025 N*	0.0115 JN*	0.00877 JN*	0.0102 JN*	0.00794 JN*	0.00855 JN*	0.00668 JN*	0.00683 JN*	0.0168 N*	0.647 N*	0.365 N*	0.00937 JN*
Uranium-238	NA	9.5 N*	2.08 N*	1.26 N*	1.53 N*	1.22 N*	1.37 N*	0.946 N*	1.02 N*	4.07 N*	316 N*	73.3 N*	1.31 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0492 U	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00113 U	0.0479 U	0.0492 U	0.0485 U	0.0246 U	0.0488 U
Aroclor-1221 (PCB-1221)	NA	0.0492 U	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00113 U	0.0479 U	0.0492 U	0.0485 U	0.0246 U	0.0488 U
Aroclor-1232 (PCB-1232)	NA	0.0492 U	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00113 U	0.0479 U	0.0492 U	0.0485 U	0.0246 U	0.0488 U
Aroclor-1242 (PCB-1242)	NA	0.0492 U	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00113 U	0.0479 U	0.0492 U	0.0485 U	0.0246 U	0.0488 U
Aroclor-1248 (PCB-1248)	NA	0.0492 U	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00113 U	0.0479 U	0.0492 U	0.0485 U	0.0246 U	0.0488 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.814 P	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00208 J	0.0479 U	0.652	0.22	0.945	0.0488 U
Aroclor-1260 (PCB-1260)	NA	0.0492 U	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00113 U	0.0479 U	0.0492 U	0.0485 U	0.288	0.0488 U
Aroclor-1262 (PCB-1262)	NA	0.0492 U	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00113 U	0.0479 U	0.0492 U	0.0485 U	0.0246 U	0.0488 U
Aroclor-1268 (PCB-1268)	NA	0.0492 U	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00113 U	0.0479 U	0.0492 U	0.0485 U	0.0246 U	0.0488 U
Polychlorinated biphenyls (PCBs)	1	0.814	0.0484 U	0.0497 U	0.051 U	0.0484 U	0.0466 U	0.00208 J	0.0479 U	0.652	0.22	**1.23**	0.0488 U
Other													
Total Solids (%)	NA	96.6	97.2	97.1	97.8	98.2	98.3	-	98.4	94.7	96.1	-	94.5
Total Solids (mg/kg)	NA	-	-	-	-	-	-	984000	-	-	-	914000	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13040	SB-PD-13040	SB-PD-13040	SB-PD-13040	SB-PD-13040	SB-PD-13040	SB-PD-13041	SB-PD-13041	SB-PD-13041	SB-PD-13041	SB-PD-13041	SB-PD-13041
Sample Name	Record of	SB-PD-13040-008-042023	SB-PD-13040-010-042023	SB-PD-13040-012-042023	SB-PD-13040-014-042023	SB-PD-13040-016-042023	SB-PD-13040-018-042023	SB-PD-13041-001-042023	SB-PD-13041-002-042023	SB-PD-13041-004-042023	SB-PD-13041-006-042023	SB-PD-13041-008-042023	SB-PD-13041-010-042023
Sample Date	Decision	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
	Cleanup	619662005	619662006	619662007	619662008	619662009	619662010	619662011	619662012	619662013	619662014	619662015	619662016
Lab Sample ID	Level	L2321460-04	L2321460-05	L2321460-06	619725001	L2321460-07	L2321460-08	619725002	L2321462-01	619725004	619725003	L2321462-02	L2321462-03
Sample Depth (bgs)		8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Anthracene	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.0102 U	0.1 U	0.1 U	0.0155 J	0.1 U	0.0108 U	0.0105 U	0.1 U	0.11 U
Benzo(a)pyrene	0.22	0.14 U	0.13 U	0.13 U	0.0102 U	0.13 U	0.13 U	0.0106 U	0.14 U	0.0108 U	0.0105 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.0102 U	0.1 U	0.1 U	0.0166 J	0.1 U	0.0108 U	0.0105 U	0.1 U	0.11 U
Benzo(g,h,i)perylene	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Benzo(k)fluoranthene	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Benzoic acid	NA	-	-	-	0.171 U	-	-	0.177 U	-	0.179 U	0.174 U	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0192 J	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Carbazole	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Chrysene	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Dibenz(a,h)anthracene	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Fluoranthene	NA	-	-	-	0.0102 U	-	-	0.0198 J	-	0.0108 U	0.0105 U	-	-
Fluorene	NA	-	-	-	0.0102 U	-	-	0.0106 U	-	0.0108 U	0.0105 U	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.13 U	0.13 U	0.0102 U	0.13 U	0.13 U	0.0106 U	0.14 U	0.0108 U	0.0105 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	0.0102 U	-	-	0.011 J	-	0.0108 U	0.0105 U	-	-
Pyrene	NA	-	-	-	0.0102 U	-	-	0.0187 J	-	0.0108 U	0.0105 U	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	6.45	7.39	5.91	2.22	2.71	2.64	5.35	7.05	6.38	5.51	**14.9**	6.86
Thorium	7.4	5.58 N*	4.51 N*	3.22 N*	4.91 N*	4.74 N*	3.4 N*	2.72 N*	3.28 N*	4.86 N*	5.22 N*	5.62 N*	6.05 N*
Uranium	2.7	1.91	2.22	1.19	**87.4**	**13.3**	1.08	**18.4**	**10.8**	**98.7**	**82.2**	1.55	**67.3**
Uranium-235	NA	0.0139 N*	0.012 JN*	0.00888 JN*	0.179 N*	0.0364 N*	0.00768 JN*	0.0601 N*	0.0313 N*	0.241 N*	0.189 N*	0.011 JN*	0.161 N*
Uranium-238	NA	1.9 N*	2.21 N*	1.19 N*	87.2 N*	13.3 N*	1.07 N*	18.3 N*	10.8 N*	98.4 N*	82 N*	1.54 N*	67.2 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.05 U	0.0476 U	0.048 U	0.00226 U	0.0477 U	0.0471 U	0.116 U	0.0496 U	0.00598 U	0.0117 U	0.0494 U	0.0537 U
Aroclor-1221 (PCB-1221)	NA	0.05 U	0.0476 U	0.048 U	0.00226 U	0.0477 U	0.0471 U	0.116 U	0.0496 U	0.00598 U	0.0117 U	0.0494 U	0.0537 U
Aroclor-1232 (PCB-1232)	NA	0.05 U	0.0476 U	0.048 U	0.00226 U	0.0477 U	0.0471 U	0.116 U	0.0496 U	0.00598 U	0.0117 U	0.0494 U	0.0537 U
Aroclor-1242 (PCB-1242)	NA	0.05 U	0.0476 U	0.048 U	0.00226 U	0.0477 U	0.0471 U	0.116 U	0.0496 U	0.00598 U	0.0117 U	0.0494 U	0.0537 U
Aroclor-1248 (PCB-1248)	NA	0.05 U	0.0476 U	0.048 U	0.00226 U	0.0477 U	0.0471 U	0.116 U	0.0496 U	0.00598 U	0.0117 U	0.0494 U	0.0537 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.05 U	0.0648	0.048 U	0.0504	0.0477 U	0.0471 U	1.57	0.14	0.136	0.165	0.0494 U	0.136
Aroclor-1260 (PCB-1260)	NA	0.05 U	0.0476 U	0.048 U	0.0143	0.0477 U	0.0471 U	0.458	0.0496 U	0.0429	0.0684	0.0494 U	0.0537 U
Aroclor-1262 (PCB-1262)	NA	0.05 U	0.0476 U	0.048 U	0.00226 U	0.0477 U	0.0471 U	0.116 U	0.0496 U	0.00598 U	0.0117 U	0.0494 U	0.0537 U
Aroclor-1268 (PCB-1268)	NA	0.05 U	0.0476 U	0.048 U	0.00226 U	0.0477 U	0.0471 U	0.116 U	0.0496 U	0.00598 U	0.0117 U	0.0494 U	0.0537 U
Polychlorinated biphenyls (PCBs)	1	0.05 U	0.0648	0.048 U	0.0647	0.0477 U	0.0471 U	**2.03**	0.14	0.179	0.233	0.0494 U	0.136
Other													
Total Solids (%)	NA	96.8	98	98.4	-	97.1	97.2	-	93	-	-	96.5	92.4
Total Solids (mg/kg)	NA	-	-	-	949000	-	-	927000	-	921000	931000	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13041	SB-PD-13041	SB-PD-13041	SB-PD-13041	SB-PD-13041	SB-PD-13042	SB-PD-13042	SB-PD-13042	SB-PD-13042	SB-PD-13042	SB-PD-13042	SB-PD-13042
Sample Name	Record of	SB-PD-13041-012-042023	SB-PD-13041-014-042023	SB-PD-13941-014-042023	SB-PD-13041-016-042023	SB-PD-13041-018-042023	SB-PD-13042-001-042023	SB-PD-13042-002-042023	SB-PD-13042-004-042023	SB-PD-13042-006-042023	SB-PD-13042-008-042023	SB-PD-13042-010-042023	SB-PD-13042-012-042023
Sample Date	Decision	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
	Cleanup	619662017	619662018	619662062	619662019	619662020	619662051	619662052	619662053	619662054	619662055	619662056	619662057
Lab Sample ID	Level	L2321462-04	L2321462-05	L2321469-02	L2321462-06	L2321462-07	L2321463-01	L2321463-02	L2321463-03	L2321463-04	L2321463-05	L2321463-06	L2321463-07
Sample Depth (bgs)		12 - 14 (ft)	14 - 16 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.019 J	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U
Benzo(a)pyrene	0.22	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.42	4.06	2.83	4.89	2.73	5.6	4.1	5.17	4.46	5.36	8.37	11.9
Thorium	7.4	4.8 N*	3.53 N*	5.12 N*	3.07 N*	4.84 N*	4.97 N*	3.8 N*	5.8 N*	4.3 N*	4.4 N*	6.52 N*	**8.84 N***
Uranium	2.7	1.43	1.51	1.81	1.2	1.16	**8.32**	1.3	1.16	1.04	1.24	1.9	2.01
Uranium-235	NA	0.0102 JN*	0.00923 JN*	0.0107 JN*	0.00821 JN*	0.00823 JN*	0.0266 N*	0.00947 JN*	0.00795 JN*	0.00741 JN*	0.00899 JN*	0.014 N*	0.0141 N*
Uranium-238	NA	1.42 N*	1.5 N*	1.8 N*	1.2 N*	1.15 N*	8.29 N*	1.29 N*	1.16 N*	1.03 N*	1.23 N*	1.89 N*	1.99 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.246 U	0.0499 U	0.0538 U	0.051 U	0.047 U	0.0535 U	0.0483 U
Aroclor-1221 (PCB-1221)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.246 U	0.0499 U	0.0538 U	0.051 U	0.047 U	0.0535 U	0.0483 U
Aroclor-1232 (PCB-1232)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.246 U	0.0499 U	0.0538 U	0.051 U	0.047 U	0.0535 U	0.0483 U
Aroclor-1242 (PCB-1242)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.246 U	0.0499 U	0.0538 U	0.051 U	0.047 U	0.0535 U	0.0483 U
Aroclor-1248 (PCB-1248)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.246 U	0.0499 U	0.0538 U	0.051 U	0.047 U	0.0535 U	0.0483 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.989	0.203	0.223	0.051 U	0.047 U	0.0535 U	0.0483 U
Aroclor-1260 (PCB-1260)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.246 U	0.0499 U	0.0538 U	0.051 U	0.047 U	0.0535 U	0.0483 U
Aroclor-1262 (PCB-1262)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.246 U	0.0499 U	0.0538 U	0.051 U	0.047 U	0.0535 U	0.0483 U
Aroclor-1268 (PCB-1268)	NA	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.246 U	0.0499 U	0.0538 U	0.051 U	0.047 U	0.0535 U	0.0483 U
Polychlorinated biphenyls (PCBs)	1	0.0468 U	0.0471 U	0.0472 U	0.0518 U	0.0492 U	0.989	0.203	0.223	0.051 U	0.047 U	0.0535 U	0.0483 U
Other													
Total Solids (%)	NA	97.9	97.4	98.2	95.1	94.4	95.3	95.8	90.8	94.2	97.7	92.2	94.7
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13042	SB-PD-13042	SB-PD-13042	SB-PD-13044	SB-PD-13044	SB-PD-13044	SB-PD-13044	SB-PD-13044	SB-PD-13044	SB-PD-13044	SB-PD-13044	SB-PD-13044
Sample Name	Record of	SB-PD-13042-014-042023	SB-PD-13042-016-042023	SB-PD-13042-018-042023	SB-PD-13044-001-042023	SB-PD-13044-002-042023	SB-PD-13044-004-042023	SB-PD-13044-006-042023	SB-PD-13044-008-042023	SB-PD-13044-010-042023	SB-PD-13044-012-042023	SB-PD-13044-014-042023	SB-PD-13044-016-042023
Sample Date	Decision	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
	Cleanup	619662058	619662059	619662060	619662021	619662022	619662023	619662024	619662025	619662026	619662027	619662028	619662029
Lab Sample ID	Level	L2321463-08	L2321463-09	L2321463-10	L2321466-01	619725008	619725009	619725005	L2321466-02	619725006	619725007	L2321466-04	L2321466-05
Sample Depth (bgs)		14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Anthracene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.11 U	**0.48**	0.0103 U	0.0101 U	0.0101 U	0.099 U	0.0101 U	0.01 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.14 U	**0.43**	0.0103 U	0.0101 U	0.0101 U	0.13 U	0.0101 U	0.01 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.11 U	**0.49**	0.0103 U	0.0101 U	0.0101 U	0.099 U	0.0101 U	0.01 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Benzoic acid	NA	-	-	-	-	0.172 U	0.169 U	0.168 U	-	0.168 U	0.167 U	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Carbazole	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Chrysene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Fluoranthene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Fluorene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.14 U	0.26	0.0103 U	0.0101 U	0.0101 U	0.13 U	0.0101 U	0.01 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	0.0103 U	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Pyrene	NA	-	-	-	-	0.011 J	0.0101 U	0.0101 U	-	0.0101 U	0.01 U	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	10.7	2.49	3.77	10	3.53	6.92	2.99	3.97	2.74	3.26	3.63	4.03
Thorium	7.4	**8.23 N***	3.35 N*	5.63 N*	4.27 N*	3.15 N*	4.23 N*	4.43 N*	3.47 N*	3.12 N*	3.5 N*	5.17 N*	3.87 N*
Uranium	2.7	2.29	1.46	1.9	**24.6**	1.4	**13.9**	1.27	**2.75**	1.22	0.773	1.23	1
Uranium-235	NA	0.0152 N*	0.0104 JN*	0.014 N*	0.0562 N*	0.0094 JN*	0.034 N*	0.00893 JN*	0.0115 JN*	0.00888 JN*	0.00546 JN*	0.00891 JN*	0.00729 JN*
Uranium-238	NA	2.27 N*	1.45 N*	1.89 N*	24.5 N*	1.39 N*	13.9 N*	1.26 N*	2.74 N*	1.22 N*	0.767 N*	1.22 N*	0.995 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0478 U	0.0516 U	0.0526 U	0.0519 U	0.0234 U	0.00561 U	0.00113 U	0.0476 U	0.00113 U	0.00111 U	0.0477 U	0.0488 U
Aroclor-1221 (PCB-1221)	NA	0.0478 U	0.0516 U	0.0526 U	0.0519 U	0.0234 U	0.00561 U	0.00113 U	0.0476 U	0.00113 U	0.00111 U	0.0477 U	0.0488 U
Aroclor-1232 (PCB-1232)	NA	0.0478 U	0.0516 U	0.0526 U	0.0519 U	0.0234 U	0.00561 U	0.00113 U	0.0476 U	0.00113 U	0.00111 U	0.0477 U	0.0488 U
Aroclor-1242 (PCB-1242)	NA	0.0478 U	0.0516 U	0.0526 U	0.0519 U	0.0234 U	0.00561 U	0.00113 U	0.0476 U	0.00113 U	0.00111 U	0.0477 U	0.0488 U
Aroclor-1248 (PCB-1248)	NA	0.0478 U	0.0516 U	0.0526 U	0.0519 U	0.0234 U	0.00561 U	0.00113 U	0.0476 U	0.00113 U	0.00111 U	0.0477 U	0.0488 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0599	0.0516 U	0.0526 U	0.245	0.732	0.109	0.00113 U	0.0476 U	0.0503	0.0051	0.0477 U	0.0488 U
Aroclor-1260 (PCB-1260)	NA	0.0478 U	0.0516 U	0.0526 U	0.0519 U	0.21	0.0298	0.00113 U	0.0476 U	0.011	0.00171 J	0.0477 U	0.0488 U
Aroclor-1262 (PCB-1262)	NA	0.0478 U	0.0516 U	0.0526 U	0.0519 U	0.0234 U	0.00561 U	0.00113 U	0.0476 U	0.00113 U	0.00111 U	0.0477 U	0.0488 U
Aroclor-1268 (PCB-1268)	NA	0.0478 U	0.0516 U	0.0526 U	0.0519 U	0.0234 U	0.00561 U	0.00113 U	0.0476 U	0.00113 U	0.00111 U	0.0477 U	0.0488 U
Polychlorinated biphenyls (PCBs)	1	0.0599	0.0516 U	0.0526 U	0.245	0.942	0.139	0.00113 U	0.0476 U	0.0613	0.00681	0.0477 U	0.0488 U
Other													
Total Solids (%)	NA	96.2	93.8	92.4	95.2	-	-	-	97.9	-	-	97.7	97.3
Total Solids (mg/kg)	NA	-	-	-	-	947000	966000	954000	-	980000	646000	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13044	SB-PD-13045	SB-PD-13045	SB-PD-13045	SB-PD-13045	SB-PD-13045	SB-PD-13045	SB-PD-13045	SB-PD-13045	SB-PD-13045	SB-PD-13045	SB-PD-13045
Sample Name	Record of	SB-PD-13044-018-042023	SB-PD-13045-001-042023	SB-PD-13045-002-042023	SB-PD-13045-004-042023	SB-PD-13945-004-042023	SB-PD-13045-006-042023	SB-PD-13045-008-042023	SB-PD-13045-010-042023	SB-PD-13045-012-042023	SB-PD-13045-014-042023	SB-PD-13045-016-042023	SB-PD-13045-018-042023
Sample Date	Decision	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023	04/20/2023
	Cleanup	619662030	619662041	619662042	619662043	619662063	619662044	619662045	619662046	619662047	619662048	619662049	619662050
Lab Sample ID	Level	L2321466-06	L2321467-01	L2321467-02	L2321467-03	L2321469-03	L2321467-04	L2321467-05	L2321467-06	L2321467-07	L2321467-08	L2321467-09	L2321467-10
Sample Depth (bgs)		18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.11 U	0.1 U	0.11	0.027 J	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.12 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.095 J	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
Benzo(b)fluoranthene	0.34	0.11 U	0.1 U	0.12	0.029 J	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.12 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.062 J	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	3.47	6.59	6.14	6.59	7.72	4.99	8.22	5.23	6.84	7.32	7.66	3.09
Thorium	7.4	5.63 N*	3.69 N*	5.52 N*	4.35 N*	4.95 N*	4.13 N*	5.29 N*	3.76 N*	4.87 N*	5.29 N*	3.85 N*	6.68 N*
Uranium	2.7	1.47	**24.4**	**2.78**	**7.25**	**3.53**	**3.8**	1.25	0.929	1.51	1.68	1.69	1.83
Uranium-235	NA	0.0108 JN*	0.0564 N*	0.0132 JN*	0.0245 N*	0.0192 N*	0.0156 JN*	0.00877 JN*	0.00601 JN*	0.0106 JN*	0.012 JN*	0.0119 JN*	0.0133 JN*
Uranium-238	NA	1.46 N*	24.4 N*	2.77 N*	7.23 N*	3.52 N*	3.78 N*	1.24 N*	0.923 N*	1.49 N*	1.67 N*	1.68 N*	1.81 N*
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0547 U	0.255 U	0.253 U	0.0512 U	0.0482 U	0.0564 U	0.0535 U	0.0516 U	0.0507 U	0.0497 U	0.0488 U	0.0534 U
Aroclor-1221 (PCB-1221)	NA	0.0547 U	0.255 U	0.253 U	0.0512 U	0.0482 U	0.0564 U	0.0535 U	0.0516 U	0.0507 U	0.0497 U	0.0488 U	0.0534 U
Aroclor-1232 (PCB-1232)	NA	0.0547 U	0.255 U	0.253 U	0.0512 U	0.0482 U	0.0564 U	0.0535 U	0.0516 U	0.0507 U	0.0497 U	0.0488 U	0.0534 U
Aroclor-1242 (PCB-1242)	NA	0.0547 U	0.255 U	0.253 U	0.0512 U	0.0482 U	0.0564 U	0.0535 U	0.0516 U	0.0507 U	0.0497 U	0.0488 U	0.0534 U
Aroclor-1248 (PCB-1248)	NA	0.0547 U	0.255 U	0.253 U	0.0512 U	0.0482 U	0.0564 U	0.0535 U	0.0516 U	0.0507 U	0.0497 U	0.0488 U	0.0534 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0547 U	1.18	3.94	0.569	0.282	0.238	0.0535 U	0.0516 U	0.0507 U	0.292	0.0488 U	0.0534 U
Aroclor-1260 (PCB-1260)	NA	0.0547 U	0.255 U	0.253 U	0.0512 U	0.0482 U	0.0564 U	0.0535 U	0.0516 U	0.0507 U	0.0497 U	0.0488 U	0.0534 U
Aroclor-1262 (PCB-1262)	NA	0.0547 U	0.255 U	0.253 U	0.0512 U	0.0482 U	0.0564 U	0.0535 U	0.0516 U	0.0507 U	0.0497 U	0.0488 U	0.0534 U
Aroclor-1268 (PCB-1268)	NA	0.0547 U	0.255 U	0.253 U	0.0512 U	0.0482 U	0.0564 U	0.0535 U	0.0516 U	0.0507 U	0.0497 U	0.0488 U	0.0534 U
Polychlorinated biphenyls (PCBs)	1	0.0547 U	**1.18**	**3.94**	0.569	0.282	0.238	0.0535 U	0.0516 U	0.0507 U	0.292	0.0488 U	0.0534 U
Other													
Total Solids (%)	NA	91.3	95.5	94.8	94.3	94.6	87.6	91.3	96.7	97	96.1	94.9	85.9
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13046	SB-PD-13046	SB-PD-13046	SB-PD-13046	SB-PD-13046	SB-PD-13046	SB-PD-13046	SB-PD-13046	SB-PD-13046	SB-PD-13046	SB-PD-13048	SB-PD-13048
Sample Name	Record of	SB-PD-13046-001-042123	SB-PD-13046-002-042123	SB-PD-13046-004-042123	SB-PD-13046-006-042123	SB-PD-13046-008-042123	SB-PD-13046-010-042123	SB-PD-13046-012-042123	SB-PD-13046-014-042123	SB-PD-13046-016-042123	SB-PD-13046-018-042123	SB-PD-13048-001-042123	SB-PD-13048-002-042123
Sample Date	Decision	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023
	Cleanup	619704042	619704043	619704044	619704045	619704046	619704047	619704048	619704049	619704050	619704051	619704032	619704033
Lab Sample ID	Level	L2321784-01	L2321784-02	619725012	619725013	L2321784-03	L2321784-04	L2321784-05	L2321784-06	L2321784-07	L2321784-08	619725014	L2321794-01
Sample Depth (bgs)		1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	0.0102 U	0.012 J	-	-	-	-	-	-	0.0103 U	-
Anthracene	NA	-	-	0.0102 U	0.0197 J	-	-	-	-	-	-	0.0103 U	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.0129 J	0.0736	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.12 U	0.03 J	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.13 U	0.0102 U	0.0775	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.0217 J	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.0105 J	0.0916	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.12 U	0.03 J	0.1 U
Benzo(g,h,i)perylene	NA	-	-	0.0163 J	0.0468	-	-	-	-	-	-	0.0128 J	-
Benzo(k)fluoranthene	NA	-	-	0.0102 U	0.0359	-	-	-	-	-	-	0.0103 U	-
Benzoic acid	NA	-	-	0.17 U	0.176 U	-	-	-	-	-	-	0.172 U	-
bis(2-Ethylhexyl)phthalate	NA	-	-	0.0105 J	0.013 J	-	-	-	-	-	-	0.0103 U	-
Butyl benzylphthalate (BBP)	NA	-	-	0.0102 U	0.0106 U	-	-	-	-	-	-	0.0103 U	-
Carbazole	NA	-	-	0.0102 U	0.0155 J	-	-	-	-	-	-	0.0103 U	-
Chrysene	NA	-	-	0.0102 U	0.0828	-	-	-	-	-	-	0.0259 J	-
Dibenz(a,h)anthracene	NA	-	-	0.0102 U	0.0134 J	-	-	-	-	-	-	0.0103 U	-
Di-n-butylphthalate (DBP)	NA	-	-	0.0102 U	0.0106 U	-	-	-	-	-	-	0.0103 U	-
Di-n-octyl phthalate (DnOP)	NA	-	-	0.0102 U	0.0106 U	-	-	-	-	-	-	0.0103 U	-
Fluoranthene	NA	-	-	0.0218 J	0.176	-	-	-	-	-	-	0.0521	-
Fluorene	NA	-	-	0.0102 U	0.0106 U	-	-	-	-	-	-	0.0103 U	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.13 U	0.0102 U	0.0451	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.0138 J	0.14 U
Phenanthrene	NA	-	-	0.0136 J	0.112	-	-	-	-	-	-	0.0272 J	-
Pyrene	NA	-	-	0.0225 J	0.141	-	-	-	-	-	-	0.0403	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.33 N	3.99 N	5.25 N	6.65 N	5.88 N	5.64 N	6.38 N	7.54 N	4.64 N	5.37 N	6.31 N	5.15 N
Thorium	7.4	3.73 N*	3.53 N*	4.23 N*	5.16 N*	4.43 N*	5.68 N*	5.85 N*	6.09 N*	4.11 N*	**8.16 N***	6.14 N*	3.39 N*
Uranium	2.7	**10.3**	2.42	**19.9**	**25.1**	1.21	1.53	1.32	1.7	0.909	2.5	**2.98**	1.17
Uranium-235	NA	0.028 N	0.0115 JN	0.0495 N	0.0656 N	0.00847 JN	0.011 JN	0.00939 JN	0.0112 JN	0.0065 JN	0.0181 N	0.0138 N	0.00806 JN
Uranium-238	NA	10.2	2.41	19.9	25	1.2	1.52	1.31	1.69	0.903	2.49	2.97	1.16
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.25 U	0.244 U	0.0572 U	0.00116 U	0.0517 U	0.0474 U	0.0489 U	0.0507 U	0.0488 U	0.0586 U	0.00573 U	0.0492 U
Aroclor-1221 (PCB-1221)	NA	0.25 U	0.244 U	0.0572 U	0.00116 U	0.0517 U	0.0474 U	0.0489 U	0.0507 U	0.0488 U	0.0586 U	0.00573 U	0.0492 U
Aroclor-1232 (PCB-1232)	NA	0.25 U	0.244 U	0.0572 U	0.00116 U	0.0517 U	0.0474 U	0.0489 U	0.0507 U	0.0488 U	0.0586 U	0.00573 U	0.0492 U
Aroclor-1242 (PCB-1242)	NA	0.25 U	0.244 U	0.0572 U	0.00116 U	0.0517 U	0.0474 U	0.0489 U	0.0507 U	0.0488 U	0.0586 U	0.00573 U	0.0492 U
Aroclor-1248 (PCB-1248)	NA	0.25 U	0.244 U	0.0572 U	0.00116 U	0.0517 U	0.0474 U	0.0489 U	0.0507 U	0.0488 U	0.0586 U	0.00573 U	0.0492 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	1.01	1.01	1.28	0.0463	0.0517 U	0.0474 U	0.0489 U	0.0508	0.0488 U	0.0586 U	0.146	0.0492 U
Aroclor-1260 (PCB-1260)	NA	0.25 U	0.244 U	0.239	0.0209	0.0517 U	0.0474 U	0.0489 U	0.0507 U	0.0488 U	0.0586 U	0.0396	0.0492 U
Aroclor-1262 (PCB-1262)	NA	0.25 U	0.244 U	0.0572 U	0.00116 U	0.0517 U	0.0474 U	0.0489 U	0.0507 U	0.0488 U	0.0586 U	0.00573 U	0.0492 U
Aroclor-1268 (PCB-1268)	NA	0.25 U	0.244 U	0.0572 U	0.00116 U	0.0517 U	0.0474 U	0.0489 U	0.0507 U	0.0488 U	0.0586 U	0.00573 U	0.0492 U
Polychlorinated biphenyls (PCBs)	1	**1.01**	**1.01**	**1.52**	0.0672	0.0517 U	0.0474 U	0.0489 U	0.0508	0.0488 U	0.0586 U	0.185	0.0492 U
Other													
Total Solids (%)	NA	95.5	96.1	-	-	95.7	97.3	97.7	94.1	93.3	79.2	-	95.5
Total Solids (mg/kg)	NA	-	-	966000	921000	-	-	-	-	-	-	950000	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13048	SB-PD-13048	SB-PD-13048	SB-PD-13048	SB-PD-13048	SB-PD-13048	SB-PD-13048	SB-PD-13048	SB-PD-13049	SB-PD-13049	SB-PD-13049	SB-PD-13049
Sample Name	Record of	SB-PD-13048-004-042123	SB-PD-13048-006-042123	SB-PD-13048-008-042123	SB-PD-13048-010-042123	SB-PD-13048-012-042123	SB-PD-13048-014-042123	SB-PD-13048-016-042123	SB-PD-13048-018-042123	SB-PD-13049-001-042123	SB-PD-13949-001-042123	SB-PD-13049-002-042123	SB-PD-13049-004-042123
Sample Date	Decision	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023
	Cleanup	619704034	619704035	619704036	619704037	619704038	619704039	619704040	619704041	619704012	619704001	619704013	619704014
Lab Sample ID	Level	619725015	L2321794-02	L2321794-03	L2321794-04	L2321794-05	L2321794-06	L2321794-07	L2321794-08	L2321797-01	L2321830-01	L2321797-02	L2321797-03
Sample Depth (bgs)		4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.0103 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.12 U	0.11 U	0.1 U	0.036 J	0.1 U
Benzo(a)pyrene	0.22	0.0103 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.16 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.0103 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.12 U	0.11 U	0.1 U	0.037 J	0.1 U
Benzo(g,h,i)perylene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	0.172 U	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.0103 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.16 U	0.14 U	0.14 U	0.14 U	0.14 U
Phenanthrene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	0.0103 U	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.53 N	6.61 N	5.75 N	6.62 N	**14.8 N**	7.92 N	10.4 N	3.49 N	4.46 N	3.01 N	4.14 N	3.87 N
Thorium	7.4	4.52 N*	4.89 N*	3.59 N*	4.67 N*	4.63 N*	4.33 N*	5.07 N*	7.21 N*	3.37 N*	3.15 N*	3.36 N*	3.53 N*
Uranium	2.7	1.52	**42.6**	0.973	1.18	1.22	1.29	**2.71**	**23**	**6.08**	0.833	1.64	1.09
Uranium-235	NA	0.00968 JN	0.105 N	0.00678 JN	0.00779 JN	0.00915 JN	0.00916 JN	0.0194 N	0.0544 N	0.0199 N	0.00628 JN	0.00845 JN	0.00698 JN
Uranium-238	NA	1.51	42.5	0.967	1.17	1.21	1.28	2.69	22.9	6.06	0.827	1.63	1.09
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.00114 U	0.051 U	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.049 U	0.0484 U	0.0502 U	0.0498 U
Aroclor-1221 (PCB-1221)	NA	0.00114 U	0.051 U	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.049 U	0.0484 U	0.0502 U	0.0498 U
Aroclor-1232 (PCB-1232)	NA	0.00114 U	0.051 U	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.049 U	0.0484 U	0.0502 U	0.0498 U
Aroclor-1242 (PCB-1242)	NA	0.00114 U	0.051 U	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.049 U	0.0484 U	0.0502 U	0.0498 U
Aroclor-1248 (PCB-1248)	NA	0.00114 U	0.051 U	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.049 U	0.0484 U	0.0502 U	0.0498 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0126	0.0875	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.541	0.0602	0.109	0.11
Aroclor-1260 (PCB-1260)	NA	0.0043	0.051 U	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.049 U	0.0484 U	0.0502 U	0.0498 U
Aroclor-1262 (PCB-1262)	NA	0.00114 U	0.051 U	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.049 U	0.0484 U	0.0502 U	0.0498 U
Aroclor-1268 (PCB-1268)	NA	0.00114 U	0.051 U	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.049 U	0.0484 U	0.0502 U	0.0498 U
Polychlorinated biphenyls (PCBs)	1	0.0169	0.0875	0.0499 U	0.0504 U	0.0502 U	0.0528 U	0.0508 U	0.0589 U	0.541	0.0602	0.109	0.11
Other													
Total Solids (%)	NA	-	93	94.2	90.3	95.1	92.6	95.4	82.2	93	95.5	94.5	96.1
Total Solids (mg/kg)	NA	948000	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13049	SB-PD-13049	SB-PD-13049	SB-PD-13049	SB-PD-13049	SB-PD-13049	SB-PD-13049	SB-PD-13050	SB-PD-13050	SB-PD-13050	SB-PD-13050	SB-PD-13050
Sample Name	Record of	SB-PD-13049-006-042123	SB-PD-13049-008-042123	SB-PD-13049-010-042123	SB-PD-13049-012-042123	SB-PD-13049-014-042123	SB-PD-13049-016-042123	SB-PD-13049-018-042123	SB-PD-13050-001-042123	SB-PD-13050-002-042123	SB-PD-13050-004-042123	SB-PD-13050-006-042123	SB-PD-13050-008-042123
Sample Date	Decision	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023
	Cleanup	619704015	619704016	619704017	619704018	619704019	619704020	619704021	619704002	619704003	619704004	619704005	619704006
Lab Sample ID	Level	L2321797-04	L2321797-05	L2321797-06	L2321797-07	L2321797-08	L2321797-09	L2321797-10	619725016	L2321827-01	L2321827-02	L2321827-03	L2321827-04
Sample Depth (bgs)		6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	0.015 J	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	0.0276 J	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.0723	0.1 U	0.024 J	0.11 U	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U	0.0684	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.0842	0.1 U	0.11 U	0.11 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	0.0415	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	0.0326 J	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	0.179 U	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	0.0107 U	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	0.0107 U	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	0.0154 J	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	0.072	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	0.0107 U	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	0.0107 U	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	0.0107 U	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	0.18	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	0.0107 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U	0.0394	0.14 U	0.14 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	0.119	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	0.143	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.35 N	7.83 N	3.64 N	8.68 N	5.81 N	7.12 N	3.36 N	4.66 N	4.71 N	3.49 N	5.89 N	4.84 N
Thorium	7.4	3.77 N*	5.34 N*	4.81 N*	7.28 N*	4.04 N*	4.05 N*	7.08 N*	5.15 N*	3.59 N*	5.77 N*	4.4 N*	4.02 N*
Uranium	2.7	1.72	**13.6**	0.906	1.38	0.973	2.11	2.59	**15.1**	**2.93**	1.86	**26.2**	0.95
Uranium-235	NA	0.00952 JN	0.043 N	0.00627 JN	0.0101 JN	0.00699 JN	0.0149 N	0.0184 N	0.0351 N	0.0119 JN	0.00955 JN	0.0584 N	0.00672 JN
Uranium-238	NA	1.71	13.5	0.9	1.37	0.966	2.1	2.57	15	2.92	1.85	26.2	0.943
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.049 U	0.267 U	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	0.0237 U	0.26 U	0.254 U	0.0525 U	0.0486 U
Aroclor-1221 (PCB-1221)	NA	0.049 U	0.267 U	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	0.0237 U	0.26 U	0.254 U	0.0525 U	0.0486 U
Aroclor-1232 (PCB-1232)	NA	0.049 U	0.267 U	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	0.0237 U	0.26 U	0.254 U	0.0525 U	0.0486 U
Aroclor-1242 (PCB-1242)	NA	0.049 U	0.267 U	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	0.0237 U	0.26 U	0.254 U	0.0525 U	0.0486 U
Aroclor-1248 (PCB-1248)	NA	0.049 U	0.267 U	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	0.0237 U	0.26 U	0.254 U	0.0525 U	0.0486 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.247	1.06	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	1.04	2.43	1.64	0.139	0.0486 U
Aroclor-1260 (PCB-1260)	NA	0.049 U	0.267 U	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	0.271	0.26 U	0.254 U	0.0525 U	0.0486 U
Aroclor-1262 (PCB-1262)	NA	0.049 U	0.267 U	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	0.0237 U	0.26 U	0.254 U	0.0525 U	0.0486 U
Aroclor-1268 (PCB-1268)	NA	0.049 U	0.267 U	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	0.0237 U	0.26 U	0.254 U	0.0525 U	0.0486 U
Polychlorinated biphenyls (PCBs)	1	0.247	**1.06**	0.0502 U	0.0498 U	0.0476 U	0.0489 U	0.053 U	**1.31**	**2.43**	**1.64**	0.139	0.0486 U
Other													
Total Solids (%)	NA	95.7	93.3	94.6	95.8	96.6	95.9	89.8	-	94.3	92.8	92.8	96.3
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	924000	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13050	SB-PD-13050	SB-PD-13050	SB-PD-13050	SB-PD-13050	SB-PD-13052	SB-PD-13052	SB-PD-13052	SB-PD-13052	SB-PD-13052	SB-PD-13052	SB-PD-13052
Sample Name	Record of	SB-PD-13050-010-042123	SB-PD-13050-012-042123	SB-PD-13050-014-042123	SB-PD-13050-016-042123	SB-PD-13050-018-042123	SB-PD-13052-001-042123	SB-PD-13052-002-042123	SB-PD-13052-004-042123	SB-PD-13052-006-042123	SB-PD-13052-008-042123	SB-PD-13052-010-042123	SB-PD-13052-012-042123
Sample Date	Decision	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023	04/21/2023
	Cleanup	619704007	619704008	619704009	619704010	619704011	619704022	619704023	619704024	619704025	619704026	619704027	619704028
Lab Sample ID	Level	L2321827-05	L2321827-06	L2321827-07	L2321827-08	L2321827-09	L2321829-01	L2321829-02	L2321829-03	619725019	L2321829-04	619725017	L2321829-05
Sample Depth (bgs)		10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Anthracene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.043 J	0.1 U	**0.35 U**	0.0105 U	0.1 U	0.0105 U	0.1 U
Benzo(a)pyrene	0.22	0.13 U	0.14 U	0.13 U	0.13 U	0.14 U	0.042 J	0.14 U	**0.47 U**	0.0105 U	0.14 U	0.0105 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.047 J	0.1 U	**0.35 U**	0.0105 U	0.1 U	0.0105 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	0.176 U	-	0.175 U	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Carbazole	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Chrysene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Fluorene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Indeno(1,2,3-cd)pyrene	0.34	0.13 U	0.14 U	0.13 U	0.13 U	0.14 U	0.028 J	0.14 U	**0.47 U**	0.0105 U	0.14 U	0.0105 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Pyrene	NA	-	-	-	-	-	-	-	-	0.0105 U	-	0.0105 U	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	6.3 N	9.3 N	7 N	8.03 N	6.15 N	5.64 N	4.07 N	6.14 N	5.95 N	6.07 N	6.56 N	3.16 N
Thorium	7.4	4.79 N*	6.09 N*	4.02 N*	5.06 N*	6.9 N*	4.32 N*	3.39 N*	3.86 N*	4.14 N*	3.37 N*	4.69 N*	**7.59 N***
Uranium	2.7	1.05	1.19	0.794	1.3	1.46	**2.88**	2.38	2.54	**30.7**	2.47	**3.06**	2
Uranium-235	NA	0.00771 JN	0.00839 JN	0.00551 JN	0.00922 JN	0.0101 JN	0.0129 JN	0.0106 JN	0.0117 JN	0.0767 N	0.00959 JN	0.0123 JN	0.0141 JN
Uranium-238	NA	1.04	1.19	0.788	1.29	1.45	2.87	2.37	2.52	30.7	2.46	3.05	1.98
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.0487 U	0.0522 U	0.0595 U	0.00115 U	0.0493 U	0.00231 U	0.0527 U
Aroclor-1221 (PCB-1221)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.0487 U	0.0522 U	0.0595 U	0.00115 U	0.0493 U	0.00231 U	0.0527 U
Aroclor-1232 (PCB-1232)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.0487 U	0.0522 U	0.0595 U	0.00115 U	0.0493 U	0.00231 U	0.0527 U
Aroclor-1242 (PCB-1242)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.0487 U	0.0522 U	0.0595 U	0.00115 U	0.0493 U	0.00231 U	0.0527 U
Aroclor-1248 (PCB-1248)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.0487 U	0.0522 U	0.0595 U	0.00115 U	0.0493 U	0.00231 U	0.0527 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.263	0.278	0.208	0.0102	0.0493 U	0.0825	0.0527 U
Aroclor-1260 (PCB-1260)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.0487 U	0.0522 U	0.0595 U	0.00546	0.0493 U	0.0267	0.0527 U
Aroclor-1262 (PCB-1262)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.0487 U	0.0522 U	0.0595 U	0.00115 U	0.0493 U	0.00231 U	0.0527 U
Aroclor-1268 (PCB-1268)	NA	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.0487 U	0.0522 U	0.0595 U	0.00115 U	0.0493 U	0.00231 U	0.0527 U
Polychlorinated biphenyls (PCBs)	1	0.0499 U	0.0476 U	0.0502 U	0.0482 U	0.0494 U	0.263	0.278	0.208	0.0157	0.0493 U	0.109	0.0527 U
Other													
Total Solids (%)	NA	96.5	96.1	96.4	96.7	95.5	95.2	94.3	80.2	-	94.8	-	92.7
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	943000	-	947000	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13052	SB-PD-13052	SB-PD-13052	SB-PD-13053	SB-PD-13053	SB-PD-13053	SB-PD-13053	SB-PD-13053	SB-PD-13053	SB-PD-13053	SB-PD-13053	SB-PD-13053
Sample Name	Record of	SB-PD-13052-014-042123	SB-PD-13052-016-042123	SB-PD-13052-018-042123	SB-PD-13053-001-042423	SB-PD-13053-002-042423	SB-PD-13053-004-042423	SB-PD-13053-006-042423	SB-PD-13053-008-042423	SB-PD-13053-010-042423	SB-PD-13053-012-042423	SB-PD-13053-014-042423	SB-PD-13053-016-042423
Sample Date	Decision	04/21/2023	04/21/2023	04/21/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023
	Cleanup	619704029	619704030	619704031	620121011	620121012	620121013	620121014	620121015	620121016	620121017	620121018	620121019
Lab Sample ID	Level	619725018	L2321829-06	L2321829-07	L2322003-01	L2322003-02	L2322003-03	L2322003-04	L2322003-05	L2322003-06	L2322003-07	L2322003-08	L2322003-09
Sample Depth (bgs)		14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.0108 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U	0.11 U	0.12 U	0.11 U	0.12 U	0.11 U	0.12 U
Benzo(a)pyrene	0.22	0.0108 U	0.15 U	0.16 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.14 U	0.16 U	0.15 U	0.16 U
Benzo(b)fluoranthene	0.34	0.0108 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U	0.11 U	0.12 U	0.11 U	0.12 U	0.11 U	0.12 U
Benzo(g,h,i)perylene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	0.18 U	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.0108 U	0.15 U	0.16 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.14 U	0.16 U	0.15 U	0.16 U
Phenanthrene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	0.0108 U	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	6.61 N	4.36 N	8.49 N	2.7 N	3.63 N	3.22 N	4.24 N	4.63 N	6.44 N	7.65 N	13.3 N	4.41 N
Thorium	7.4	4.69 N*	4.34 N*	4.88 N*	3.32	2.75	3.3	4.56	6.05	5.32	**7.46**	**8.79**	5.19
Uranium	2.7	**3.69**	1.71	1.07	1.83	1.3	1.05	**9.85**	1.29	1.35	1.51	1.87	1.6
Uranium-235	NA	0.0146 JN	0.00953 JN	0.00802 JN	0.00907 JN	0.00747 JN	0.00665 JN	0.0409 N	0.00861 JN	0.00922 JN	0.0109 JN	0.0133 N	0.011 JN
Uranium-238	NA	3.68	1.7	1.07	1.82 N	1.29 N	1.04 N	9.81 N	1.28 N	1.35 N	1.5 N	1.86 N	1.59 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.00122 U	0.0531 U	0.0576 U	0.0531 U	0.0477 U	0.0522 U	0.0544 U	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Aroclor-1221 (PCB-1221)	NA	0.00122 U	0.0531 U	0.0576 U	0.0531 U	0.0477 U	0.0522 U	0.0544 U	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Aroclor-1232 (PCB-1232)	NA	0.00122 U	0.0531 U	0.0576 U	0.0531 U	0.0477 U	0.0522 U	0.0544 U	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Aroclor-1242 (PCB-1242)	NA	0.00122 U	0.0531 U	0.0576 U	0.0531 U	0.0477 U	0.0522 U	0.0544 U	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Aroclor-1248 (PCB-1248)	NA	0.00122 U	0.0531 U	0.0576 U	0.0531 U	0.0477 U	0.0522 U	0.0544 U	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0171	0.0531 U	0.0576 U	0.172	0.191	0.106	0.314	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Aroclor-1260 (PCB-1260)	NA	0.0059	0.0531 U	0.0576 U	0.0531 U	0.0477 U	0.0522 U	0.0544 U	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Aroclor-1262 (PCB-1262)	NA	0.00122 U	0.0531 U	0.0576 U	0.0531 U	0.0477 U	0.0522 U	0.0544 U	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Aroclor-1268 (PCB-1268)	NA	0.00122 U	0.0531 U	0.0576 U	0.0531 U	0.0477 U	0.0522 U	0.0544 U	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Polychlorinated biphenyls (PCBs)	1	0.023	0.0531 U	0.0576 U	0.172	0.191	0.106	0.314	0.0608 U	0.0541 U	0.0596 U	0.0554 U	0.0587 U
Other													
Total Solids (%)	NA	-	89.2	79.8	93.8	97.1	94.2	90.6	80.9	90.8	83.5	88.5	84.6
Total Solids (mg/kg)	NA	890000	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13053	SB-PD-13053	SB-PD-13054	SB-PD-13054	SB-PD-13054	SB-PD-13054	SB-PD-13054	SB-PD-13054	SB-PD-13054	SB-PD-13054	SB-PD-13054	SB-PD-13054
Sample Name	Record of	SB-PD-13953-016-042423	SB-PD-13053-018-042423	SB-PD-13054-001-042423	SB-PD-13054-002-042423	SB-PD-13054-004-042423	SB-PD-13054-006-042423	SB-PD-13054-008-042423	SB-PD-13054-010-042423	SB-PD-13054-012-042423	SB-PD-13054-014-042423	SB-PD-13054-016-042423	SB-PD-13054-018-042423
Sample Date	Decision	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023
	Cleanup	620121041	620121020	620121021	620121022	620121023	620121024	620121025	620121026	620121027	620121028	620121029	620121030
Lab Sample ID	Level	L2321990-01	L2322003-10	L2322000-01	L2322000-02	L2322000-03	L2322000-04	L2322000-05	L2322000-06	L2322000-07	L2322000-08	L2322000-09	L2322000-10
Sample Depth (bgs)		16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.11 U	0.1 U	0.039 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.11 U	0.1 U	0.043 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	4.06 N	2.72 N	7.8 N	4.91 N	5.83 N	7.14 N	12.3 N	3.23 N	1.85 N	2.3 N	2.77 N	2.98 N
Thorium	7.4	4.74	4.67	4.55	3.96	5.39	4.47	5.06	4.22	4.4	3.09	2.77	2.78
Uranium	2.7	1.42	0.96	**14.5**	1.34	**19**	**24.9**	1.55	1.24	1.23	0.775	0.852	0.779
Uranium-235	NA	0.0105 JN	0.00674 JN	0.0464 N	0.00825 JN	0.0473 N	0.0634 N	0.0113 JN	0.00895 JN	0.00916 JN	0.00544 JN	0.00544 JN	0.00553 JN
Uranium-238	NA	1.41 N	0.954 N	14.5 N	1.34 N	19 N	24.8 N	1.54 N	1.23 N	1.22 N	0.77 N	0.847 N	0.773 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0518 U	0.0519 U	0.264 U	0.255 U	0.053 U	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Aroclor-1221 (PCB-1221)	NA	0.0518 U	0.0519 U	0.264 U	0.255 U	0.053 U	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Aroclor-1232 (PCB-1232)	NA	0.0518 U	0.0519 U	0.264 U	0.255 U	0.053 U	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Aroclor-1242 (PCB-1242)	NA	0.0518 U	0.0519 U	0.264 U	0.255 U	0.053 U	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Aroclor-1248 (PCB-1248)	NA	0.0518 U	0.0519 U	0.264 U	0.255 U	0.053 U	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0518 U	0.0519 U	1.25	1.22	0.613	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Aroclor-1260 (PCB-1260)	NA	0.0518 U	0.0519 U	0.264 U	0.255 U	0.053 U	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Aroclor-1262 (PCB-1262)	NA	0.0518 U	0.0519 U	0.264 U	0.255 U	0.053 U	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Aroclor-1268 (PCB-1268)	NA	0.0518 U	0.0519 U	0.264 U	0.255 U	0.053 U	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Polychlorinated biphenyls (PCBs)	1	0.0518 U	0.0519 U	**1.25**	**1.22**	0.613	0.051 U	0.0511 U	0.0524 U	0.0519 U	0.0506 U	0.051 U	0.0521 U
Other													
Total Solids (%)	NA	89.8	95.8	92.3	95.8	94	94.2	96.6	95.2	95.9	98.1	96.9	95.8
Total Solids (mg/kg)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level												
Location Name		SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13055	SB-PD-13056
Sample Name	Record of	SB-PD-13055-001-042423	SB-PD-13055-002-042423	SB-PD-13055-004-042423	SB-PD-13055-006-042423	SB-PD-13055-008-042423	SB-PD-13955-008-042423	SB-PD-13055-010-042423	SB-PD-13055-012-042423	SB-PD-13055-014-042423	SB-PD-13055-016-042423	SB-PD-13055-018-042423	SB-PD-13056-001-042423
Sample Date	Decision	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023
	Cleanup	620121031	620121032	620121033	619725021	620121035	620121042	620121036	620121037	620121038	620121039	620121040	620121001
Lab Sample ID	Level	L2321995-01	L2321995-02	L2321995-03	620121034	L2321995-04	L2321990-02	L2321995-05	L2321995-06	L2321995-07	L2321995-08	L2321995-09	L2321993-01
Sample Depth (bgs)		1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)													
Acenaphthene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.11 U	0.1 U	0.11 U	0.0102 U	0.1 U	0.1 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U
Benzo(a)pyrene	0.22	0.15 U	0.14 U	0.14 U	0.0102 U	0.14 U	0.14 U	0.14 U	0.16 U	0.14 U	0.14 U	0.15 U	0.14 U
Benzo(b)fluoranthene	0.34	0.11 U	0.1 U	0.11 U	0.0102 U	0.1 U	0.1 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	0.171 U	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.15 U	0.14 U	0.14 U	0.0102 U	0.14 U	0.14 U	0.14 U	0.16 U	0.14 U	0.14 U	0.15 U	0.14 U
Phenanthrene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	0.0102 U	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Arsenic	13.7	5.25 N	5.4 N	4.39 N	5.54 N	7.62 N	6.82 N	**14.3 N**	3.1 N	2.88 N	3.75 N	3.5 N	7.21 N
Thorium	7.4	4.19	4.06	3.35	4.32	5.51	4.73	**13**	6.22	4.17	4.52	3.51	3.55
Uranium	2.7	**7.48**	**6.19**	1.86	**31.1**	**4.6**	**27.6**	**40.9**	2.19	1.43	1.06	1.02	1.26
Uranium-235	NA	0.022 N	0.0192 N	0.00869 JN	0.0763 N	0.0197 N	0.064 N	0.106 N	0.0146 JN	0.0104 JN	0.00769 JN	0.0077 JN	0.00828 JN
Uranium-238	NA	7.45 N	6.17 N	1.85 N	31.1 N	4.58 N	27.5 N	40.8 N	2.17 N	1.42 N	1.05 N	1.01 N	1.25 N
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0526 U	0.0504 U	0.0512 U	0.00116 U	0.0523 U	0.0512 U	0.0527 U	0.0589 U	0.0517 U	0.0513 U	0.0529 U	0.0513 U
Aroclor-1221 (PCB-1221)	NA	0.0526 U	0.0504 U	0.0512 U	0.00116 U	0.0523 U	0.0512 U	0.0527 U	0.0589 U	0.0517 U	0.0513 U	0.0529 U	0.0513 U
Aroclor-1232 (PCB-1232)	NA	0.0526 U	0.0504 U	0.0512 U	0.00116 U	0.0523 U	0.0512 U	0.0527 U	0.0589 U	0.0517 U	0.0513 U	0.0529 U	0.0513 U
Aroclor-1242 (PCB-1242)	NA	0.0526 U	0.0504 U	0.0512 U	0.00116 U	0.0523 U	0.0512 U	0.0527 U	0.0589 U	0.0517 U	0.0513 U	0.0529 U	0.0513 U
Aroclor-1248 (PCB-1248)	NA	0.0526 U	0.0504 U	0.0512 U	0.00116 U	0.0523 U	0.0512 U	0.0527 U	0.0589 U	0.0517 U	0.0513 U	0.0529 U	0.0513 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.3	0.32	0.25	0.0549	0.0523 U	0.0512 U	0.0527 U	0.0589 U	0.0769	0.0513 U	0.0529 U	0.0513 U
Aroclor-1260 (PCB-1260)	NA	0.0526 U	0.0504 U	0.0512 U	0.00116 U	0.0523 U	0.249	0.0527 U	0.0589 U	0.0517 U	0.0513 U	0.0529 U	0.0513 U
Aroclor-1262 (PCB-1262)	NA	0.0526 U	0.0504 U	0.0512 U	0.00116 U	0.0523 U	0.0512 U	0.0527 U	0.0589 U	0.0517 U	0.0513 U	0.0529 U	0.0513 U
Aroclor-1268 (PCB-1268)	NA	0.0526 U	0.0504 U	0.0512 U	0.00116 U	0.0523 U	0.0512 U	0.0527 U	0.0589 U	0.0517 U	0.0513 U	0.0529 U	0.0513 U
Polychlorinated biphenyls (PCBs)	1	0.3	0.32	0.25	0.0549	0.0523 U	0.249	0.0527 U	0.0589 U	0.0769	0.0513 U	0.0529 U	0.0513 U
Other													
Total Solids (%)	NA	89.2	94	92.9	-	94.5	94.2	88.8	82.2	89.4	91.1	87.8	95
Total Solids (mg/kg)	NA	-	-	-	947000	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I
SUMMARY OF ANALYTICAL RESULTS - BUILDING E
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level										
Location Name		SB-PD-13056	SB-PD-13056	SB-PD-13056	SB-PD-13056	SB-PD-13056	SB-PD-13056	SB-PD-13056	SB-PD-13056	SB-PD-13056	SB-PD-13056
Sample Name	Record of	SB-PD-13056-002-042423	SB-PD-13056-004-042423	SB-PD-13056-006-042423	SB-PD-13056-008-042423	SB-PD-13956-008-042423	SB-PD-13056-010-042423	SB-PD-13056-012-042423	SB-PD-13056-014-042423	SB-PD-13056-016-042423	SB-PD-13056-018-042423
Sample Date	Decision	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023	04/24/2023
	Cleanup	619725020	620121003	620121004	620121005	620121043	620121006	620121007	620121008	620121009	620121010
Lab Sample ID	Level	620121002	L2321993-02	L2321993-03	L2321993-04	L2321990-03	L2321993-05	L2321993-06	L2321993-07	L2321993-08	L2321993-09
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)
Semi-Volatile Organic Compounds (mg/kg)											
Acenaphthene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Anthracene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.0104 U	0.1 U	0.1 U	0.12 U	0.1 U	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U
Benzo(a)pyrene	0.22	0.0104 U	0.14 U	0.14 U	0.16 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.15 U
Benzo(b)fluoranthene	0.34	0.0104 U	0.1 U	0.1 U	0.12 U	0.1 U	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U
Benzo(g,h,i)perylene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	0.173 U	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.0156 J	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Carbazole	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Chrysene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Fluorene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.0104 U	0.14 U	0.14 U	0.16 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.15 U
Phenanthrene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Pyrene	NA	0.0104 U	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)											
Arsenic	13.7	6.74 N	7.2 N	6.21 N	8.66 N	7.04 N	6.44 N	4.65 N	3.92 N	2.37 N	3.93 N
Thorium	7.4	5.47	3.98	3.61	5.3	6.54	6.64	6.7	4.46	3.97	5.23
Uranium	2.7	**12.3**	1.16	0.934	1.46	1.23	1.75	2.08	**2.81**	1.05	1.05
Uranium-235	NA	0.0331 N	0.00737 JN	0.00664 JN	0.00989 JN	0.00869 JN	0.0125 JN	0.0154 N	0.012 JN	0.0074 JN	0.00752 JN
Uranium-238	NA	12.2 N	1.16 N	0.928 N	1.45 N	1.23 N	1.74 N	2.06 N	2.8 N	1.05 N	1.04 N
PCBs (mg/kg)											
Aroclor-1016 (PCB-1016)	NA	0.00231 U	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Aroclor-1221 (PCB-1221)	NA	0.00231 U	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Aroclor-1232 (PCB-1232)	NA	0.00231 U	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Aroclor-1242 (PCB-1242)	NA	0.00231 U	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Aroclor-1248 (PCB-1248)	NA	0.00231 U	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0617	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Aroclor-1260 (PCB-1260)	NA	0.0165	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Aroclor-1262 (PCB-1262)	NA	0.00231 U	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Aroclor-1268 (PCB-1268)	NA	0.00231 U	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Polychlorinated biphenyls (PCBs)	1	0.0782	0.0494 U	0.0518 U	0.0618 U	0.0514 U	0.0582 U	0.0492 U	0.0522 U	0.0502 U	0.0553 U
Other											
Total Solids (%)	NA	-	94.2	95.9	79.2	94.4	85.6	92.4	92.2	94.5	88.4
Total Solids (mg/kg)	NA	924000	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)											
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-

Notes and Abbreviations:

-: Not Analyzed
bgs: below ground surface
ft: feet
mg/kg: milligrams per kilogram
NA: Not Applicable
U: Not detected, value is the laboratory reporting limit
**: QC recovery is outside of specified acceptance criteria*
B: Analyte detected in the sample and the associated blank
H: Holding time exceeded
J: Value is estimated
J-: Value is estimated with a potential low bias
N: Matrix spike sample recovery is not within specified control limits
R: Value is rejected

- ***Bold*** *values indicate an exceedance of the Record of Decision cleanup levels*
- *Polynuclear aromatic hydrocarbon (PAH) samples submitted to GEL Laboratories include the full suite of PAH and phthalate method target analytes, while PAH samples submitted to Alpha Analytical Lab were analyzed for PAH compounds with Site soil cleanup criteria only*
- *XRF spectrometer uranium screening results were detected above 28 mg/kg in samples submitted to GEL Laboratories for PCB, PAH, and total solids analysis. Results were detected below 28 mg/kg in remaining samples submitted to Alpha Analytical Labs*

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	MW-S07	MW-S07	MW-S07	MW-S16	MW-S16	MW-S16	MW-S16	MW-S16	MW-S16	MW-T24	MW-T24	MW-T24
Sample Name		SBMWS07001-11/4/2004	SBMWS07008-11/4/2004	SBMWS07058-11/4/2004	SBMWS16001-11/22/2004	SBMWS16008-11/22/2004	SBMWS16049-11/22/2004	SBMWS16069-11/23/2004	SBMWS16073-11/23/2004	SBMWS16077-11/23/2004	SBMWT24000-11/17/2004	SBMWT24009-11/17/2004	SBMWT24049-11/17/2004
Sample Date		11/04/2004	11/04/2004	11/04/2004	11/22/2004	11/22/2004	11/22/2004	11/23/2004	11/23/2004	11/23/2004	11/17/2004	11/17/2004	11/17/2004
Lab Sample ID		125090010 125091010	124969011 124970004	125090011 125091011	126210004 126211001	126210005 126211002	126210006 126211003	126467001	126467002	126467003	125545014 125839005 125966001	125839006 125966002	125545015 125663018 125664008
Sample Depth (bgs)		1 - 3 (ft)	8 - 10 (ft)	58 - 60 (ft)	1 - 3 (ft)	8 - 10 (ft)	49 - 51 (ft)	69 - 71 (ft)	73 - 75 (ft)	77 - 79 (ft)	0 - 2 (ft)	49 - 51 (ft)	49 - 51 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	0.000926 U	0.000918 U	0.00113 U	0.00099 U	0.00111 U	0.00107 U	-	-	-	0.001 U	0.000973 U	0.00102 U
1,1-Dichloroethene	NA	0.000926 U	0.000918 U	0.00113 U	0.00099 U	0.00111 U	0.00107 U	-	-	-	0.001 U	0.000973 U	0.00102 U
Acetone	NA	0.00463 U	0.00459 U	0.00567 U	0.00495 U	0.00555 UJ	0.00536 U	-	-	-	0.005 UJ	0.00487 UJ	0.0051 U
Tetrachloroethene	NA	0.000926 U	0.000918 U	0.00113 U	0.00099 U	0.00111 U	0.00107 U	-	-	-	0.001 U	0.0004	0.00102 U
Trichloroethene	NA	0.000926 U	0.000918 U	0.00113 U	0.00099 U	0.00111 U	0.00107 U	-	-	-	0.001 U	0.000973 U	0.00102 U
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	0.352 U	0.0349 UJ	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Acenaphthene	NA	0.352 U	0.0349 UJ	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Acenaphthylene	NA	0.352 U	0.0349 UJ	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Anthracene	NA	0.352 U	0.0349 U	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Benzo(a)anthracene	0.34	**0.352 U**	0.0349 U	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Benzo(a)pyrene	0.22	**0.352 UJ**	0.0349 U	0.0393 U	0.0853	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Benzo(b)fluoranthene	0.34	**0.352 UJ**	0.0349 U	0.0393 U	0.0253	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Benzo(g,h,i)perylene	NA	0.352 UJ	0.0349 U	0.0393 U	0.0316	0.0378 UJ	0.0343 UJ	-	-	-	0.0354 U	0.035 U	0.0374 U
Benzo(k)fluoranthene	NA	0.352 UJ	0.0349 U	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Benzoic acid	NA	7.04 U	0.698 U	0.786 U	0.766 U	0.755 U	0.686 U	-	-	-	0.707 U	0.701 U	0.747 U
bis(2-Ethylhexyl)phthalate	NA	1.76 U	0.0326	0.197 U	0.471	0.0664	0.0742	-	-	-	0.068	0.141	0.323
Butyl benzylphthalate (BBP)	NA	3.52 U	0.349 U	0.393 U	0.383 U	0.378 U	0.343 U	-	-	-	0.354 U	0.35 U	0.374 U
Carbazole	NA	3.52 U	0.349 U	0.393 U	0.383 U	0.378 U	0.343 U	-	-	-	0.354 U	0.35 U	0.374 U
Chrysene	NA	0.352 U	0.0349 U	0.0393 U	0.0544	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Dibenz(a,h)anthracene	NA	0.352 UJ	0.0349 U	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Dibenzofuran	NA	3.52 U	0.349 U	0.393 U	0.383 U	0.378 U	0.343 U	-	-	-	0.354 U	0.35 U	0.374 U
Diethyl phthalate	NA	3.52 U	0.349 U	0.393 U	0.383 U	0.378 U	0.343 U	-	-	-	0.354 U	0.35 U	0.374 U
Di-n-butylphthalate (DBP)	NA	3.52 U	0.349 U	0.393 U	0.129	0.378 U	0.343 U	-	-	-	0.354 U	0.35 U	0.374 U
Di-n-octyl phthalate (DnOP)	NA	3.52 UJ	0.349 U	0.176	0.383 U	0.378 U	0.343 U	-	-	-	0.354 U	0.35 U	0.374 U
Fluoranthene	NA	0.352 U	0.0349 U	0.0393 U	0.0736	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Fluorene	NA	0.352 U	0.0349 U	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Indeno(1,2,3-cd)pyrene	0.34	**0.352 UJ**	0.0349 U	0.0393 U	0.044	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Naphthalene	NA	0.352 U	0.14 UJ	0.0393 U	0.0383 U	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Pentachlorophenol	NA	3.52 U	0.349 U	0.393 U	0.383 U	0.378 U	0.343 U	-	-	-	0.354 U	0.35 U	0.374 U
Phenanthrene	NA	0.352 U	0.0349 U	0.0393 U	0.04	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
Pyrene	NA	0.352 U	0.0349 U	0.0393 U	0.088	0.0378 U	0.0343 U	-	-	-	0.0354 U	0.035 U	0.0374 U
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	9.28	17.8 UJ	5.94	19.9 UJ	19 UJ	17.5 UJ	-	-	-	18.1 U	18.3 U	19 U
C19-C36 Aliphatic Hydrocarbons	NA	8.42 U	8.39 UJ	11.1 U	5.22	5.77	3.86	-	-	-	8.51 U	8.63 U	8.95 U
C9-C18 Aliphatic Hydrocarbons	NA	6.32 U	2.94 UJ	6.96 U	7.04 U	6.7 U	6.17 U	-	-	-	6.38 U	6.47 U	6.71 U
Inorganic Compounds (mg/kg)													
Aluminum	NA	9670	7030	4880	7790	10900	5160	-	-	-	7160	10900	5240
Antimony	NA	0.088 UJ	0.0226 UJ	0.066 UJ	-	-	-	-	-	-	0.029 U	0.043 U	0.04 UJ
Arsenic	13.7	5.2	4	3.3	6.7	4.1	5.5	-	-	-	4.4	7.8	5.3
Barium	NA	30.1	17	24.7	22.7	62.2	23.5	-	-	-	21.7	24.7	22.8
Beryllium	NA	0.38	0.28	0.2	0.32	0.38	0.25	-	-	-	0.33	0.46	0.32
Cadmium	NA	0.14	0.064 U	0.049	0.12	0.12	0.092	-	-	-	0.063	0.091	0.07
Calcium	NA	4520	587	1650	1090	1480	993	-	-	-	652	265	932
Chromium	NA	18.6	14	10	15.5	18.8	11.6	-	-	-	14.1	18.3	11.6
Cobalt	NA	6.3	4.2	1.9	3.8	4.5	2.4	-	-	-	3.3	5.1	2.8
Copper	NA	16.7	8.7 UJ	5.3	10.4	12.5	22.3	-	-	-	8.8	9.6	33.7
Iron	NA	13300	9800	6530	9840	15100	8040	-	-	-	9390	13700	8750
Lead	NA	9.9	4.3	2.5	5.3	6.7	3.1	-	-	-	10.6	5.9	3.3
Magnesium	NA	4080	2690	1820	2660	3980	2040	-	-	-	3960	3190	2400
Manganese	NA	207	110	78.6	115	226	96.1	-	-	-	88.5	109	101
Mercury	NA	0.01	0.0034	0.00216 U	0.0046	0.00207 U	0.0019 U	-	-	-	0.0045 U	0.0099 U	0.00198 U
Molybdenum	NA	0.55	0.33 UJ	0.29	0.32	1.1	0.77	-	-	-	0.78	0.53	4.2
Nickel	NA	15.8	10.4	7	10.3	12.8	7.9	-	-	-	12.5	13.1	8.1
Potassium	NA	1490	1130	1570	1150	3180	1450	-	-	-	1290	873	1670
Selenium	NA	0.55	0.96 U	0.81	1.2 U	0.84 U	0.98 U	-	-	-	0.89	1.2	1.5
Silver	NA	0.031	0.014 U	0.042	0.02	0.033	0.017	-	-	-	0.018	0.022	0.016
Sodium	NA	99.2	55.3	78.6	61.5	82	70.9	-	-	-	77	58.3	70.3
Thallium	NA	0.12	0.1 U	0.13	0.1	0.22	0.11	-	-	-	0.11	0.11	0.12
Thorium	7.4	4.9	4.4	3.8	**7.7**	**8.2**	5.2	-	-	-	3.6	4.5	4.6
Titanium	NA	648	325	360	464	702	365	-	-	-	396	425	398
Tungsten	NA	0.17	0.11 UJ	0.12 U	0.22 UJ	0.15 UJ	0.16 UJ	-	-	-	0.13 U	0.16 U	0.49 UJ
Uranium	2.7	**3.8**	1.4	2	**6.5**	2.2	**4.1**	1.82	**10.2**	**20.8**	**13.4**	2.3	**79.1**
Uranium-235	NA	0.014	0.0086	0.01	0.023	0.013	0.016	0.0101	0.0311	0.0549	0.032	0.0098	0.18
Uranium-238	NA	3.8	1.3	2	6.5	2.2	4	1.81	10.2	20.7	13.3	2.3	79
Vanadium	NA	25.2	13.6	12	15.8	26.8	12	-	-	-	14.3	18.2	13.2
Zinc	NA	26.5	15.2 U	15.2	21.7	25.7	14.1	-	-	-	15.8	19.9	17.6
Zirconium	NA	3.5	2.4	1.9	4	2.8	2.2	-	-	-	1.8	2	1.9

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11												
Location Name	Record of Decision Cleanup Level	MW-S07	MW-S07	MW-S07	MW-S16	MW-S16	MW-S16	MW-S16	MW-S16	MW-S16	MW-T24	MW-T24	MW-T24
Sample Name		SBMWS07001-11/4/2004	SBMWS07008-11/4/2004	SBMWS07058-11/4/2004	SBMWS16001-11/22/2004	SBMWS16008-11/22/2004	SBMWS16049-11/22/2004	SBMWS16069-11/23/2004	SBMWS16073-11/23/2004	SBMWS16077-11/23/2004	SBMWT24000-11/17/2004	SBMWT24009-11/17/2004	SBMWT24049-11/17/2004
Sample Date		11/04/2004	11/04/2004	11/04/2004	11/22/2004	11/22/2004	11/22/2004	11/23/2004	11/23/2004	11/23/2004	11/17/2004	11/17/2004	11/17/2004
Lab Sample ID		125090010 125091010	124969011 124970004	125090011 125091011	126210004 126211001	126210005 126211002	126210006 126211003	126467001	126467002	126467003	125545014 125839005 125966001	125839006 125966002	125545015 125663018 125664008
Sample Depth (bgs)		1 - 3 (ft)	8 - 10 (ft)	58 - 60 (ft)	1 - 3 (ft)	8 - 10 (ft)	49 - 51 (ft)	69 - 71 (ft)	73 - 75 (ft)	77 - 79 (ft)	0 - 2 (ft)	49 - 51 (ft)	49 - 51 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	-	-	-	-	-	-	-	-	-	-	-	-
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	-	-	-	-	-	-	-	-	-	0.992 ± 0.382	-	0.462 ± 0.287
Thorium-230	NA	-	-	-	-	-	-	-	-	-	1.02 ± 0.373	-	0.494 ± 0.245
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	0.698 ± 0.295	-	0.561 ± 0.257
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	**2.19 ± 0.55**	-	**5.88 ± 1.11**
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	**0.167 U ± 0.141**	-	**0.523 ± 0.252**
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	**12.5 ± 1.96**	-	**50.5 ± 7.1**

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11001	SB-RI-11001	SB-RI-11002	SB-RI-11002	SB-RI-11003	SB-RI-11003	SB-RI-11004	SB-RI-11004	SB-RI-11004	SB-RI-11004	SB-RI-11005	SB-RI-11005
Sample Name		SBRI11001000-11/10/2004	SBRI11001004-11/10/2004	SBRI11002001-11/5/2004	SBRI11002004-11/5/2004	SBRI11003000-11/5/2004	SBRI11003004-11/5/2004	SBRI11004000-11/5/2004	SBRI11004008-11/5/2004	SBRI11004015-10/27/2005	SBRI11004020-10/27/2005	SBRI11005000-11/15/2004	SBRI11005009-11/15/2004
Sample Date		11/10/2004	11/10/2004	11/05/2004	11/05/2004	11/05/2004	11/05/2004	11/05/2004	11/05/2004	10/27/2005	10/27/2005	11/15/2004	11/15/2004
		125092020				125090004						125545006	
		125364007	125364008	125090002	125090003	125091004	125090005	125090006	125090007			125663007	125663008
Lab Sample ID		125366014	125366015	125091002	125091003	125092001	125091005	125091006	125091007	148872006	148872007	125664002	125664003
Sample Depth (bgs)		0 - 4 (ft)	4 - 8 (ft)	1 - 5 (ft)	4 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	8 - 12 (ft)	15 - 17 (ft)	20 - 22 (ft)	0 - 2 (ft)	9 - 11 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	0.00102 U	0.000952 U	0.00106 U	0.00106 U	0.000973 U	0.000938 U	0.000927 U	0.000986 U	0.00086 U	0.00099 U	0.000933 U	0.000909 U
1,1-Dichloroethene	NA	0.00102 U	0.000952 U	0.00106 U	0.00106 U	0.000973 U	0.000938 U	0.000927 U	0.000986 U	0.00059	0.00099 U	0.000933 U	0.000909 U
Acetone	NA	0.00509 U	0.00476 U	0.00532 U	0.00528 U	0.00487 U	0.004	0.00463 U	0.00493 U	0.0043 UJ	0.005 UJ	0.00466 U	0.00454 U
Tetrachloroethene	NA	0.00102 U	0.00048	0.00106 U	0.00106 U	0.000973 U	0.000938 U	0.000927 U	0.000986 U	0.00086 U	0.00099 U	0.0015	0.000909 U
Trichloroethene	NA	0.00102 U	0.000952 U	0.00106 U	0.00106 U	0.000973 U	0.000938 U	0.000927 U	0.000986 U	0.00086 U	0.00099 U	0.0034	0.000909 U
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	0.347 U	0.0346 U	0.0355 U	0.0359 U	0.0357 U	0.0375 U	0.143 U	0.0342 U	0.035 U	0.0365 U	0.0373 U	0.0345 U
Acenaphthene	NA	0.347 U	0.0346 U	0.0355 U	0.0359 U	0.0195	0.0375 U	0.272	0.0342 U	0.035 U	0.0365 U	0.0373 U	0.0345 U
Acenaphthylene	NA	0.347 U	0.0346 U	0.0355 U	0.0359 U	0.0357 U	0.0375 U	0.143 U	0.0342 U	0.035 U	0.0365 U	0.0373 U	0.0345 U
Anthracene	NA	0.347 U	0.0346 U	0.0355 U	0.0359 U	0.0365	0.0375 U	0.455	0.0342 U	0.035 U	0.0365 U	0.0373 U	0.0345 U
Benzo(a)anthracene	0.34	**0.347 U**	0.0346 U	0.0355 U	0.0359 U	0.125	0.0375 U	**1.2**	0.0342 U	0.035 U	0.0365 U	0.0761	0.0345 U
Benzo(a)pyrene	0.22	**0.347 U**	0.0346 U	0.0893	0.0359 U	0.136	0.0711	**1.07**	0.0342 U	0.035 U	0.0365 U	0.0992	0.0345 U
Benzo(b)fluoranthene	0.34	**0.347 U**	0.0346 U	0.0813	0.0359 U	0.147	0.0472	**1.5**	0.0342 U	0.035 U	0.0365 U	0.12	0.0345 U
Benzo(g,h,i)perylene	NA	0.347 U	0.0346 U	0.0304	0.0359 U	0.0539	0.0375 U	0.458	0.0342 U	0.035 U	0.0365 U	0.0408	0.0345 U
Benzo(k)fluoranthene	NA	0.347 U	0.0346 U	0.032	0.0359 U	0.0689	0.0207	0.581	0.0342 U	0.035 U	0.0365 U	0.0373 U	0.0345 U
Benzoic acid	NA	6.93 UJ	0.693 UJ	0.709 U	0.719 U	0.714 UJ	0.751 U	2.87 U	0.684 U	0.7 UJ	0.729 UJ	0.746 U	0.69 U
bis(2-Ethylhexyl)phthalate	NA	1.73 UJ	0.173 U	0.06	0.0834	0.178 U	0.188 U	0.352	0.171 U	0.35 U	0.365 U	0.0648	0.0554
Butyl benzylphthalate (BBP)	NA	3.47 U	0.346 U	0.355 U	0.359 U	0.357 U	0.375 U	1.43 U	0.342 U	0.35 U	0.365 U	0.373 U	0.345 U
Carbazole	NA	3.47 U	0.346 U	0.355 U	0.359 U	0.0207	0.375 U	0.3	0.342 U	0.35 U	0.365 U	0.373 U	0.345 U
Chrysene	NA	0.347 U	0.0346 U	0.07	0.0359 U	0.116	0.0315	1.15	0.0342 U	0.035 U	0.0365 U	0.0712	0.0345 U
Dibenz(a,h)anthracene	NA	0.347 U	0.0346 U	0.0355 U	0.0359 U	0.0357 U	0.0375 U	0.143 U	0.0342 U	0.035 U	0.0365 U	0.0373 U	0.0345 U
Dibenzofuran	NA	3.47 U	0.346 U	0.355 U	0.359 U	0.357 U	0.375 U	0.113	0.342 U	0.35 U	0.365 U	0.373 U	0.345 U
Diethyl phthalate	NA	3.47 U	0.346 U	0.355 U	0.359 U	0.357 U	0.375 U	1.43 U	0.342 U	0.35 U	0.365 U	0.373 U	0.345 U
Di-n-butylphthalate (DBP)	NA	3.47 U	0.346 U	0.355 U	0.359 U	0.357 U	0.375 U	1.43 U	0.342 U	0.35 U	0.365 U	0.373 U	0.345 U
Di-n-octyl phthalate (DnOP)	NA	3.47 U	0.346 U	0.355 U	0.359 U	0.357 U	0.375 U	1.43 U	0.342 U	0.35 U	0.365 U	0.373 U	0.345 U
Fluoranthene	NA	0.347 U	0.0346 U	0.143	0.0359 U	0.288	0.0883	2.98	0.0342 U	0.035 U	0.0365 U	0.148	0.0345 U
Fluorene	NA	0.347 U	0.0346 U	0.0355 U	0.0359 U	0.017	0.0375 U	0.233	0.0342 U	0.035 U	0.0365 U	0.0373 U	0.0345 U
Indeno(1,2,3-cd)pyrene	0.34	**0.347 U**	0.0346 U	0.039	0.0359 U	0.0609	0.0375 U	**0.466**	0.0342 U	0.035 U	0.0365 U	0.0502	0.0345 U
Naphthalene	NA	0.347 U	0.0346 U	0.0355 U	0.0359 U	0.0357 U	0.0375 U	0.143 U	0.0342 U	0.035 U	0.0365 U	0.0373 U	0.0345 U
Pentachlorophenol	NA	3.47 U	0.346 U	0.355 U	0.359 U	0.357 UJ	0.375 U	1.43 U	0.342 U	0.35 U	0.365 U	0.373 U	0.345 U
Phenanthrene	NA	0.347 U	0.0346 U	0.0667	0.0359 U	0.172	0.0479	2.24	0.0342 U	0.035 U	0.0365 U	0.0479	0.0345 U
Pyrene	NA	0.347 U	0.0346 U	0.116	0.0359 U	0.222	0.0684	2.3	0.0342 U	0.035 U	0.0365 U	0.113	0.0345 U
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	17.7 U	17.7 U	4.06 U	4.09 U	6.21	4.16 U	52.4	3.8 U	-	-	19.3 U	17.7 U
C19-C36 Aliphatic Hydrocarbons	NA	33.2	11.3	8.72 U	3.82 U	8.51 U	8.95 U	8.47 U	8.18 U	-	-	9.09 U	8.35 U
C9-C18 Aliphatic Hydrocarbons	NA	8.86 UJ	6.65 UJ	6.54 U	6.6 U	6.38 U	6.71 U	6.35 U	6.14 U	-	-	6.82 U	3.18
Inorganic Compounds (mg/kg)													
Aluminum	NA	6670	6820	8660	10200	8940	8640	11700	4420	12.9	18.2	9690	7110
Antimony	NA	0.057 UJ	0.076 UJ	0.036 UJ	0.067 UJ	0.04 UJ	0.048 UJ	0.042 UJ	0.0225 UJ	0.0209 UJ	0.0217 UJ	0.037 UJ	0.0226 UJ
Arsenic	13.7	4.3	5.6	4.9	6.8	4.7	6.8	6.6	4.5	0.167 U	0.173 U	5.2	4.7
Barium	NA	27.7	22.8	23.9	23.8	39.2	31.5	37.4	22.5	0.51	0.27	40.7	44.9
Beryllium	NA	0.25	0.26	0.38	0.39	0.46	0.32	0.93	0.22	0.011 U	0.0061 U	0.52	0.36
Cadmium	NA	0.066	0.07	0.076	0.085	0.076	0.094	0.22	0.053	0.00419 U	0.00433 U	0.17	0.052
Calcium	NA	566	499	832	488	938	1100	2250	982	125	202	2410	331
Chromium	NA	17.1	13.3	14.3	15.9	20.5	15.6	23.1	9.1	0.0837 U	0.21 U	17.6	17
Cobalt	NA	3.5	3.2	3.7	3.7	3.7	3	5.1	2	0.11	0.077	5.3	3.2
Copper	NA	7.8	7.3	8.9	9.3	17.3	11.1	42.2	47.5	6.4 UJ	0.031 UJ	104	88.4
Iron	NA	9090	9120	9940	11200	12600	10100	13200	7290	5.7 U	9	15400	15500
Lead	NA	5.4	4.8	8.6	8.1	7.6	6	16.2	3	0.00419 UJ	0.00433 UJ	16.6	11.7
Magnesium	NA	3000	2440	2580	2720	3660	2720	3730	1520	24.1	29.1	4200	3580
Manganese	NA	107	88	112	150	129	103	154	69	6.3	7.2	165	122
Mercury	NA	0.0044	0.0044	0.016	0.014	0.011	0.012	0.015	0.0032	0.00308 U	0.00322 U	0.011	0.00188 U
Molybdenum	NA	0.44	0.37	0.5	0.47	0.74	0.67	1.5	0.51	0.14 U	0.11 U	0.67	5.1
Nickel	NA	9.9	8	9.6	10	12.5	8.2	13	4.8	0.08 U	0.022 U	10.6	8
Potassium	NA	1390	1300	1300	1400	2240	1560	1520	1250	48.6	63.6	2350	2880
Selenium	NA	0.47	0.51	1.1	0.88	0.98	0.85	1	0.62	0.188 U	0.195 U	1.4	1.2
Silver	NA	0.017	0.019	0.02	0.026	0.026	0.026	0.038	0.018	0.00209 U	0.0024 U	0.057	0.034
Sodium	NA	58.5	53.8	75.2	54.9	73.3	70.8	120	99.1	11.1 U	14.3 U	104	81.7
Thallium	NA	0.098	0.088	0.11	0.13	0.15	0.12	0.13	0.079	0.00419 U	0.00433 U	0.15	0.17
Thorium	7.4	4.6	5.3	6.1	5.7	5.9	**8.2**	6	4.9	0.0188 UJ	0.0195 UJ	4.7	5.5
Titanium	NA	377	377	423	459	569	526	693	302	2.5	3.5	703	655
Tungsten	NA	0.084 UJ	0.12 UJ	0.13 U	0.14 U	1.6	0.18	0.5	0.084 U	0.03 U	0.023 U	0.44 UJ	0.35 UJ
Uranium	2.7	1.6	1.2	**9.4**	**5.8**	**110**	**7.8**	**37.2**	**32.5**	0.083	0.0076 UJ	**7.2**	**300**
Uranium-235	NA	0.0092	0.0081	0.028	0.019	0.25	0.025	0.091	0.076	0.00021	0.000217 U	0.022	0.64
Uranium-238	NA	1.6	1.2	9.4	5.8	110	7.8	37.1	32.4	0.083	0.0076 UJ	7.2	299
Vanadium	NA	16.6	14.6	15.7	16.5	20.3	16.1	24.4	10	0.42 U	1.2	24.1	24.3
Zinc	NA	16.9	13.8	19.2	21.2	24.1	19.1	32.2	11.9	0.34 U	0.17 U	71.8	20.4
Zirconium	NA	2.4	2.7	1.8	2.6	2.1	3.6	3.5	1.9	0.0837 U	0.0867 U	3.5	1.9

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11001	SB-RI-11001	SB-RI-11002	SB-RI-11002	SB-RI-11003	SB-RI-11003	SB-RI-11004	SB-RI-11004	SB-RI-11004	SB-RI-11004	SB-RI-11005	SB-RI-11005
Sample Name		SBRI11001000-11/10/2004	SBRI11001004-11/10/2004	SBRI11002001-11/5/2004	SBRI11002004-11/5/2004	SBRI11003000-11/5/2004	SBRI11003004-11/5/2004	SBRI11004000-11/5/2004	SBRI11004008-11/5/2004	SBRI11004015-10/27/2005	SBRI11004020-10/27/2005	SBRI11005000-11/15/2004	SBRI11005009-11/15/2004
Sample Date		11/10/2004	11/10/2004	11/05/2004	11/05/2004	11/05/2004	11/05/2004	11/05/2004	11/05/2004	10/27/2005	10/27/2005	11/15/2004	11/15/2004
		125092020				125090004						125545006	
		125364007	125364008	125090002	125090003	125091004	125090005	125090006	125090007			125663007	125663008
Lab Sample ID		125366014	125366015	125091002	125091003	125092001	125091005	125091006	125091007	148872006	148872007	125664002	125664003
Sample Depth (bgs)		0 - 4 (ft)	4 - 8 (ft)	1 - 5 (ft)	4 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	8 - 12 (ft)	15 - 17 (ft)	20 - 22 (ft)	0 - 2 (ft)	9 - 11 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	-	-	-	-	-	-	-	-	0.0035 U	0.0036 U	-	-
Aroclor-1221 (PCB-1221)	NA	-	-	-	-	-	-	-	-	0.0035 U	0.0036 U	-	-
Aroclor-1232 (PCB-1232)	NA	-	-	-	-	-	-	-	-	0.0035 U	0.0036 U	-	-
Aroclor-1242 (PCB-1242)	NA	-	-	-	-	-	-	-	-	0.0035 U	0.0036 U	-	-
Aroclor-1248 (PCB-1248)	NA	-	-	-	-	-	-	-	-	0.0035 U	0.0036 U	-	-
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	0.001575 U	0.001637 U	-	-
Aroclor-1254 (PCB-1254)	NA	-	-	-	-	-	-	-	-	0.0035 U	0.0036 U	-	-
Aroclor-1260 (PCB-1260)	NA	-	-	-	-	-	-	-	-	0.0035 U	0.0036 U	-	-
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	-	-	-	-	-	-	-	-	0.0035 U	0.0036 U	-	-
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	0.461 ± 0.271	-	-	-	0.752 ± 0.359	-	-	-	-	-	1.66 ± 0.587	-
Thorium-230	NA	0.488 ± 0.265	-	-	-	0.237 U ± 0.234	-	-	-	-	-	1.45 ± 0.515	-
Thorium-232	0.81	0.52 ± 0.264	-	-	-	0.448 ± 0.251	-	-	-	-	-	**1.23 ± 0.459**	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	**0.478 ± 0.273**	-	-	-	**4.68 ± 0.997**	-	-	-	-	-	**1.34 ± 0.387**	-
Uranium-235	0.01	**0.106 U ± 0.132**	-	-	-	**0.429 ± 0.241**	-	-	-	-	-	**0.0555 U ± 0.0853**	-
Uranium-238	0.90	0.694 ± 0.33	-	-	-	**27.3 ± 4.22**	-	-	-	-	-	**3.95 ± 0.773**	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11005	SB-RI-11005	SB-RI-11005	SB-RI-11006	SB-RI-11006	SB-RI-11007	SB-RI-11007	SB-RI-11007	SB-RI-11007	SB-RI-11008	SB-RI-11008	SB-RI-11008
Sample Name		SBRI11005065-11/16/2004	SBRI11005015-10/27/2005	SBRI11005020-10/27/2005	SBRI11006000-11/9/2004	SBRI11006004-11/9/2004	SBRI11007000-11/9/2004	SBRI11007004-11/9/2004	SBRI11007015-10/26/2005	SBRI11007020-10/26/2005	SBRI11008000-11/9/2004	SBRI11008004-11/9/2004	SBRI11008015-10/26/2005
Sample Date		11/16/2004	10/27/2005	10/27/2005	11/09/2004	11/09/2004	11/09/2004	11/09/2004	10/26/2005	10/26/2005	11/09/2004	11/09/2004	10/26/2005
Lab Sample ID		125663009 125664004	148872008	148872009	125252013 125277007	125252014 125277008	125252015 125277009	125252016 125277010	148495009 148496005	148495016 148496006	125252017 125277011	125252018 125277012	148495010 148496007
Sample Depth (bgs)		65 - 67 (ft)	15 - 17 (ft)	20 - 22 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	15 - 17 (ft)	20 - 22 (ft)	0 - 4 (ft)	4 - 8 (ft)	15 - 17 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	0.000849 U	0.001 UJ	0.00087 U	0.00105 U	0.00114 U	0.000927 U	0.000983 U	0.001 U	0.001 U	0.00101 U	0.00106 U	0.0011 U
1,1-Dichloroethene	NA	0.000849 U	0.001 UJ	0.0014	0.00105 U	0.00114 U	0.000927 U	0.000983 U	0.001 U	0.0013	0.00101 U	0.00106 U	0.0011 U
Acetone	NA	0.00425 U	0.005 UJ	0.0044 UJ	0.00525 U	0.00568 U	0.00464 U	0.00491 U	0.0052 U	0.0052 U	0.00503 U	0.0053 U	0.0057 U
Tetrachloroethene	NA	0.000849 U	0.001 UJ	0.00087 U	0.00105 U	0.00114 U	0.0006	0.00085	0.001 U	0.001 U	0.00101 U	0.00106 U	0.0011 U
Trichloroethene	NA	0.000849 U	0.001 UJ	0.00087 U	0.00105 U	0.00114 U	0.000927 U	0.000983 U	0.001 U	0.001 U	0.00101 U	0.00106 U	0.0011 U
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	0.0402 UJ	0.0382 U	0.0396 U	0.0373	0.0356 U	0.0359 U	0.0367 U	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Acenaphthene	NA	0.0107	0.0382 U	0.0396 U	0.196	0.0356 U	0.015	0.166	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Acenaphthylene	NA	0.0402 UJ	0.0382 U	0.0396 U	0.0364 U	0.0356 U	0.0359 U	0.0367 U	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Anthracene	NA	0.0402 UJ	0.0382 U	0.0109	0.424	0.0356 U	0.0307	0.361	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Benzo(a)anthracene	0.34	0.0402 UJ	0.0382 U	0.0396 U	**0.825**	0.0356 U	0.0732	**1.3**	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Benzo(a)pyrene	0.22	0.0654	0.0382 U	0.0656	**0.658**	0.0356 U	0.0631	**1.7**	0.0385 U	0.0389 U	0.0186	0.0375 U	0.0365 U
Benzo(b)fluoranthene	0.34	0.0402 UJ	0.0382 U	0.0696	**1.11**	0.0356 U	0.113	**3.33**	0.0385 U	0.0389 U	0.0355	0.0375 U	0.0365 U
Benzo(g,h,i)perylene	NA	0.0402 UJ	0.0382 U	0.0396 U	0.346	0.0356 U	0.0409	0.903	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Benzo(k)fluoranthene	NA	0.0402 UJ	0.0382 U	0.0225	0.0364 U	0.0356 U	0.11	0.0367 U	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Benzoic acid	NA	0.804 UJ	0.763 UJ	0.792 UJ	0.728 U	0.711 U	0.717 U	0.734 U	0.771 U	0.777 U	0.738 U	0.749 U	0.429
bis(2-Ethylhexyl)phthalate	NA	0.0851	0.382 U	0.17	0.182 U	0.178 U	0.179 U	0.113	0.193 U	0.0985	0.0501	0.187 U	0.182 U
Butyl benzylphthalate (BBP)	NA	0.402 UJ	0.382 U	0.396 U	0.364 U	0.356 U	0.359 U	0.367 U	0.385 U	0.389 U	0.369 U	0.375 U	0.365 U
Carbazole	NA	0.402 UJ	0.382 U	0.396 U	0.258	0.356 U	0.359 U	0.26	0.385 U	0.389 U	0.369 U	0.375 U	0.365 U
Chrysene	NA	0.0402 UJ	0.0382 U	0.0656	0.843	0.0356 U	0.081	1.62	0.0385 U	0.0389 U	0.0222	0.0375 U	0.0365 U
Dibenz(a,h)anthracene	NA	0.0402 UJ	0.0382 U	0.0396 U	0.181	0.0356 U	0.0359 U	0.0367 U	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Dibenzofuran	NA	0.402 UJ	0.382 U	0.396 U	0.128	0.356 U	0.359 U	0.0854	0.385 U	0.389 U	0.369 U	0.375 U	0.365 U
Diethyl phthalate	NA	0.402 UJ	0.382 U	0.396 U	0.364 U	0.356 U	0.359 U	0.367 U	0.385 U	0.389 U	0.369 U	0.375 U	0.365 U
Di-n-butylphthalate (DBP)	NA	0.402 UJ	0.382 U	0.396 U	0.364 U	0.356 U	0.359 U	0.367 U	0.385 U	0.389 U	0.369 U	0.375 U	0.365 U
Di-n-octyl phthalate (DnOP)	NA	0.188	0.382 U	0.396 U	0.364 U	0.356 U	0.359 U	0.367 U	0.385 U	0.389 U	0.369 U	0.375 U	0.365 U
Fluoranthene	NA	0.0402 UJ	0.0121	0.137	1.79	0.0197	0.154	2.67	0.0385 U	0.0389 U	0.043	0.0375 U	0.0365 UJ
Fluorene	NA	0.0113	0.0382 U	0.0396 U	0.23	0.0356 U	0.0114	0.172	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Indeno(1,2,3-cd)pyrene	0.34	0.0392	0.0382 U	0.0396 U	0.307	0.0356 U	0.0359 U	**0.91**	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Naphthalene	NA	0.0402 UJ	0.0382 U	0.0396 U	0.104	0.0356 U	0.0359 U	0.0367 U	0.0385 U	0.0389 U	0.0369 U	0.0375 U	0.0365 U
Pentachlorophenol	NA	0.223	0.382 U	0.396 U	0.364 U	0.356 U	0.359 U	0.367 U	0.385 U	0.389 U	0.369 U	0.375 U	0.365 U
Phenanthrene	NA	0.0402 UJ	0.0382 U	0.0753	1.65	0.0356 U	0.117	1.78	0.0385 U	0.0389 U	0.0293	0.0375 U	0.0365 U
Pyrene	NA	0.0402 UJ	0.0382 U	0.084	1.71	0.0356 U	0.15	2.83	0.0385 U	0.0389 U	0.0423	0.0375 U	0.0365 U
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	20.5 U	-	-	9.1	10.6	22.8	11.6	-	-	6.68	6.4	-
C19-C36 Aliphatic Hydrocarbons	NA	9.64 U	-	-	4.22	8.47 U	11.7	19	-	-	5.47	9.1 UJ	-
C9-C18 Aliphatic Hydrocarbons	NA	7.23 U	-	-	4.42	5.71	5.33	2.9	-	-	4.47	6.83 U	-
Inorganic Compounds (mg/kg)													
Aluminum	NA	4890	6060	6350	7930	8970	8420	8850	6500	7930	8850	10800	7290
Antimony	NA	0.0261 UJ	0.026 UJ	0.0236 UJ	0.036 UJ	0.0234 UJ	0.058 UJ	0.024 UJ	0.025 UJ	0.032 UJ	0.0241 UJ	0.0244 UJ	0.027 UJ
Arsenic	13.7	3.2	3.4	2.9	5.1	5.5	4.6	5.4	2.1	3.5	5.6	6.3	4.2
Barium	NA	23.1	42.8	35.7	22	38.8	51.6	36.5	37.6	54.9	33.2	39.8	50.5
Beryllium	NA	0.17	0.31	0.54	0.38	0.34	0.27	0.39	0.19	0.29	0.77	0.6	0.27
Cadmium	NA	0.063	0.053	0.056	0.11	0.076	0.15	0.38	0.089	0.13	0.086	0.14	0.099
Calcium	NA	1170	933	981	1280	661	13100	1300	978	1350	805	751	1030
Chromium	NA	9.4	13.4	16.7	15.2	15.6	16.7	17.3	11.7	15.4	16.1	16.9	14.7
Cobalt	NA	2.3	2.5	3.4	2.8	3.2	4.4	3.3	2.1	3.1	3.3	3.8	3.1
Copper	NA	6.7	56.5	61.1	10.8	10.7	9.6	78.6	6.5 UJ	16.4	32.6	32.8	21.6
Iron	NA	6300	9880	9750	9010	11800	11200	11100	7980	11400	12000	14600	12800
Lead	NA	2.4	8.9	4.9	8.4	5.8	5.7	8.6	2.8	4.3	8.7	18.3	4.1
Magnesium	NA	1820	2390	2460	2570	3200	3810	3080	2290	3260	3080	3420	3130
Manganese	NA	87.7	92.8	108	92.7	116	243	101	89.4	129	127	134	120
Mercury	NA	0.00213 U	0.0049	0.0035 U	0.026	0.008	0.012	0.022	0.0034 UJ	0.00349 UJ	0.023	0.0049	0.00312 UJ
Molybdenum	NA	0.2	11	1.9	0.63	0.81	0.77	2.7	0.65 U	0.52 U	3.5	1.2	0.72 U
Nickel	NA	7.1	6	7.6	7.9	8.1	11.3	9.3	5	7.1	9.1	9.1	7.5
Potassium	NA	1360	2160	1950	986	2240	1680	1930	2130	2770	1810	2610	2620
Selenium	NA	1.2	0.26	1.1	1.2	0.86	0.76	0.99	0.204 U	0.212 U	1.3	1.3	0.2 U
Silver	NA	0.014	0.085 U	0.028 U	0.027	0.028	0.027	0.081	0.021 U	0.028 U	0.047	0.024	0.025 U
Sodium	NA	69.8	92.6	98.4	42.1	63.9	72.8	64.7	149	167	93.7	101	136
Thallium	NA	0.096	0.17 U	0.17 U	0.089	0.14	0.14	0.13	0.14 U	0.2 U	0.13	0.24	0.17 U
Thorium	7.4	5.5	7.2	6.4	3.7	5.7	5.8	5.8	6.5	**9.1**	6.6	**34.5**	**7.4**
Titanium	NA	387	708	584	372	529	504	543	594	788	520	714	709
Tungsten	NA	0.25 UJ	0.66	0.15 U	0.37	0.1 UJ	0.097 UJ	0.8	0.073 UJ	0.11 UJ	0.42	0.22	0.1 UJ
Uranium	2.7	2	**312**	**237**	**13.5**	**4.4**	**13.3**	**3360**	**3.6**	2.2	**62.7**	**360**	**4.4**
Uranium-235	NA	0.011	0.65	0.49	0.035	0.018	0.034	7.1	0.014	0.016	0.17	2.6	0.021
Uranium-238	NA	2	311	237	13.5	4.4	13.2	3350	3.6	2.1	62.5	357	4.4
Vanadium	NA	11	17.5	17.4	14.2	19.2	19.2	18.2	15.6 UJ	23.1	20.6	21.7	19.6
Zinc	NA	13.9	17.6	19.4	19.2	21.3	26.6	45.2	14.6	19.6	21.7	24.4	18.4
Zirconium	NA	2	2.6	3.4	2.6	2.2	3.4	3.2	1.6 U	1.9 U	2.7	3.7	1.6 U

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11005	SB-RI-11005	SB-RI-11005	SB-RI-11006	SB-RI-11006	SB-RI-11007	SB-RI-11007	SB-RI-11007	SB-RI-11007	SB-RI-11008	SB-RI-11008	SB-RI-11008
Sample Name		SBRI11005065-11/16/2004	SBRI11005015-10/27/2005	SBRI11005020-10/27/2005	SBRI11006000-11/9/2004	SBRI11006004-11/9/2004	SBRI11007000-11/9/2004	SBRI11007004-11/9/2004	SBRI11007015-10/26/2005	SBRI11007020-10/26/2005	SBRI11008000-11/9/2004	SBRI11008004-11/9/2004	SBRI11008015-10/26/2005
Sample Date		11/16/2004	10/27/2005	10/27/2005	11/09/2004	11/09/2004	11/09/2004	11/09/2004	10/26/2005	10/26/2005	11/09/2004	11/09/2004	10/26/2005
Lab Sample ID		125663009 125664004	148872008	148872009	125252013 125277007	125252014 125277008	125252015 125277009	125252016 125277010	148495009 148496005	148495016 148496006	125252017 125277011	125252018 125277012	148495010 148496007
Sample Depth (bgs)		65 - 67 (ft)	15 - 17 (ft)	20 - 22 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	15 - 17 (ft)	20 - 22 (ft)	0 - 4 (ft)	4 - 8 (ft)	15 - 17 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	-	0.0038 U	0.004 U	-	-	-	-	0.0038 U	-	-	-	0.0037 U
Aroclor-1221 (PCB-1221)	NA	-	0.0038 U	0.004 U	-	-	-	-	0.0038 U	-	-	-	0.0037 U
Aroclor-1232 (PCB-1232)	NA	-	0.0038 U	0.004 U	-	-	-	-	0.0038 U	-	-	-	0.0037 U
Aroclor-1242 (PCB-1242)	NA	-	0.0038 U	0.004 U	-	-	-	-	0.0038 U	-	-	-	0.0037 U
Aroclor-1248 (PCB-1248)	NA	-	0.0038 U	0.004 U	-	-	-	-	0.0038 U	-	-	-	0.0037 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	0.0074	0.0167	-	-	-	-	0.0055	-	-	-	0.002
Aroclor-1254 (PCB-1254)	NA	-	0.0074	0.0167	-	-	-	-	0.0055	-	-	-	0.002
Aroclor-1260 (PCB-1260)	NA	-	0.0038 U	0.004 U	-	-	-	-	0.0038 U	-	-	-	0.0037 U
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	-	0.0074	0.0167	-	-	-	-	0.0055	-	-	-	0.002
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11008	SB-RI-11009	SB-RI-11009	SB-RI-11010	SB-RI-11010	SB-RI-11011	SB-RI-11011	SB-RI-11012	SB-RI-11012	SB-RI-11013	SB-RI-11014	SB-RI-11015
Sample Name		SBRI11008020-10/26/2005	SBRI11009000-11/10/2004	SBRI11009004-11/10/2004	SBRI11010000-11/10/2004	SBRI11010004-11/10/2004	SBRI11011000-11/9/2004	SBRI11011004-11/9/2004	SBRI11012000-11/5/2004	SBRI11012008-11/5/2004	SBRI11013000-11/10/2004	SBRI11014000-11/10/2004	SBRI11015000-11/10/2004
Sample Date		10/26/2005	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/09/2004	11/09/2004	11/05/2004	11/05/2004	11/10/2004	11/10/2004	11/10/2004
		148495019					125092016		125090008				
		148495020	125364001	125364002	125364003	125364004	125252019	125252020	125091008	125090009	125364009	125364010	125364011
Lab Sample ID		148496015	125366003	125366004	125366005	125366006	125277013	125277014	125092002	125091009	125366016	125366017	125366018
Sample Depth (bgs)		20 - 22 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	8 - 12 (ft)	0 - 4 (ft)	0 - 4 (ft)	0 - 4 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	0.00091 UJ	0.000919 U	0.00118 U	0.000985 U	0.000941 U	0.000982 U	0.00107 U	0.00105 U	0.000944 U	0.00103 U	0.000951 U	0.000876 U
1,1-Dichloroethene	NA	0.00091 UJ	0.000919 U	0.00118 U	0.000985 U	0.000941 U	0.000982 U	0.00107 U	0.00105 U	0.000944 U	0.00103 U	0.000951 U	0.000876 U
Acetone	NA	0.0223 UJ	0.0046 U	0.00591 U	0.00493 U	0.0047 U	0.00491 U	0.00534 U	0.00526 U	0.00472 U	0.00516 U	0.00475 U	0.00438 U
Tetrachloroethene	NA	0.00046	0.000919 U	0.00097	0.000985 U	0.000941 U	0.000982 U	0.00107 U	0.00105 U	0.000944 U	0.00103 U	0.000951 U	0.000876 U
Trichloroethene	NA	0.00091 UJ	0.000919 U	0.00118 U	0.000985 U	0.000941 U	0.000982 U	0.00107 U	0.00105 U	0.000944 U	0.00103 U	0.000951 U	0.000876 U
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	0.0373 U	0.0352 U	0.355 U	0.0355 U	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	0.354 U
Acenaphthene	NA	0.0373 U	0.0352 U	0.355 U	0.0109	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	0.354 U
Acenaphthylene	NA	0.0373 U	0.0352 U	0.355 U	0.0187	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	0.354 U
Anthracene	NA	0.0373 U	0.0352 U	0.355 U	0.0627	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	0.354 U
Benzo(a)anthracene	0.34	0.0373 U	0.0352 U	**0.355 U**	0.0355 U	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	**0.354 U**
Benzo(a)pyrene	0.22	0.0373 U	0.0352 U	**0.355 U**	0.164	0.0606	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.049	0.062	**0.547**
Benzo(b)fluoranthene	0.34	0.0373 U	0.0352 U	**0.355 U**	0.167	0.0366	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0177	0.0332	**0.354 U**
Benzo(g,h,i)perylene	NA	0.0373 U	0.0352 U	0.355 U	0.0593	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	0.354 U
Benzo(k)fluoranthene	NA	0.0373 U	0.0352 U	0.355 U	0.0938	0.0181	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0198	0.354 U
Benzoic acid	NA	0.745 U	0.705 UJ	7.11 UJ	0.71 UJ	0.69 UJ	0.707 U	0.712 U	0.702 U	0.692 U	0.699 UJ	0.707 UJ	7.09 U
bis(2-Ethylhexyl)phthalate	NA	0.19	0.0768	1.78 U	0.115	0.175	0.0346	0.178 U	0.0721	0.116	0.175 U	0.177 U	1.77 U
Butyl benzylphthalate (BBP)	NA	0.373 U	0.352 U	3.55 U	0.355 U	0.345 U	0.354 U	0.356 U	0.351 U	0.346 U	0.349 U	0.354 U	3.54 U
Carbazole	NA	0.373 U	0.352 U	3.55 U	0.355 U	0.345 U	0.354 U	0.356 U	0.351 U	0.346 U	0.349 U	0.354 U	3.54 U
Chrysene	NA	0.0373 U	0.0352 U	0.355 U	0.162	0.0254	0.0354 U	0.0356 U	0.0351 U	0.0516	0.0349 U	0.0274	0.354 U
Dibenz(a,h)anthracene	NA	0.0373 U	0.0352 U	0.355 U	0.0355 U	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	0.354 U
Dibenzofuran	NA	0.373 U	0.352 U	3.55 U	0.355 U	0.345 U	0.354 U	0.356 U	0.351 U	0.346 U	0.349 U	0.354 U	3.54 U
Diethyl phthalate	NA	0.373 U	0.352 U	3.55 U	0.355 U	0.345 U	0.354 U	0.356 U	0.351 U	0.346 U	0.349 U	0.354 U	3.54 U
Di-n-butylphthalate (DBP)	NA	0.373 U	0.352 U	3.55 U	0.355 U	0.345 U	0.354 U	0.356 U	0.351 U	0.0255	0.349 U	0.354 U	3.54 U
Di-n-octyl phthalate (DnOP)	NA	0.373 U	0.352 U	3.55 U	0.355 U	0.345 U	0.354 U	0.356 U	0.351 U	0.346 U	0.349 U	0.354 U	3.54 U
Fluoranthene	NA	0.0373 U	0.0352 U	0.355 U	0.354	0.0609	0.0354 U	0.0356 U	0.0351 U	0.0518	0.0252	0.0469	0.354 U
Fluorene	NA	0.0373 U	0.0352 U	0.355 U	0.0182	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	0.354 U
Indeno(1,2,3-cd)pyrene	0.34	0.0373 U	0.0352 U	**0.355 U**	0.0708	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	**0.354 U**
Naphthalene	NA	0.0373 U	0.0352 U	0.355 U	0.0355 U	0.0345 U	0.0354 U	0.0356 U	0.0351 U	0.0346 U	0.0349 U	0.0354 U	0.354 U
Pentachlorophenol	NA	0.373 U	0.352 U	3.55 U	0.355 U	0.345 U	0.354 U	0.356 U	0.351 U	0.346 U	0.349 U	0.354 U	3.54 U
Phenanthrene	NA	0.0373 U	0.0352 U	0.355 U	0.23	0.0357	0.0354 U	0.0356 U	0.0351 U	0.0202	0.0178	0.0285	0.354 U
Pyrene	NA	0.0132	0.0352 U	0.355 U	0.288	0.0636	0.0354 U	0.0356 U	0.0351 U	0.0822	0.0317	0.0594	0.354 U
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	-	17.8 U	18 U	18.1 U	17.4 U	17.9 U	6.58	4.44	3.86 U	17.9 U	18 U	21.2 U
C19-C36 Aliphatic Hydrocarbons	NA	-	8.81	6.65	5.88	8.2 UJ	8.45 UJ	4.2	8.45 U	8.3 U	8.4 UJ	8.48 UJ	7.18
C9-C18 Aliphatic Hydrocarbons	NA	-	6.67 UJ	6.95 UJ	6.98 UJ	6.15 UJ	6.33 U	5.85	6.33 U	6.24 U	6.3 UJ	6.36 UJ	6.38 UJ
Inorganic Compounds (mg/kg)													
Aluminum	NA	7480	5890	6560	9570	8900	6440	9180	9750	8390	8200	9060	9700
Antimony	NA	0.07 UJ	0.0229 UJ	0.0234 UJ	0.12 UJ	0.0223 UJ	0.093 UJ	0.028 UJ	0.0227 UJ	0.0228 UJ	0.07 UJ	0.097 UJ	0.055 UJ
Arsenic	13.7	5.3	5.1	5.7	6.3	5.5	**13.8**	5.7	3.6	2.6	6.7	6.2	5.4
Barium	NA	36	23	21.4	32.9	37.3	23.7	38.1	49.7	49.7	29.7	41.2	34.3
Beryllium	NA	0.33	0.23	0.28	0.41	0.35	0.22	0.31	0.29	0.23	0.3	0.36	0.36
Cadmium	NA	0.079	0.059	0.065	0.12	0.11	0.071	0.076	0.064	0.06	0.087	0.11	0.14
Calcium	NA	855	848	465	786	831	546	629	941	921	824	782	1300
Chromium	NA	15.5	13	17.5	18.3	17.5	12.8	16.9	19.2	15.7	23.8	19.7	18.3
Cobalt	NA	3	3.3	3.8	4.4	4.8	3.4	5.6	4.6	3.7	4.2	5.3	4.8
Copper	NA	18.6	6.8	8.3	12.3	12.6	11.5	11	11.9	11.8	11.7	77	12.1
Iron	NA	12600	7900	9170	11100	10400	8070	12500	13800	12600	11600	11200	16000
Lead	NA	5.2	4.6	5.5	21	6.9	4	4.5	4.4	3.9	7.1	13.5	18.1
Magnesium	NA	2860	2130	2710	3000	3310	2310	3780	3940	3590	4230	4180	3730
Manganese	NA	117	88.6	91.5	129	124	89.8	144	153	135	132	158	301
Mercury	NA	0.0041	0.0068	0.017	0.024	0.0099	0.0055	0.0022	0.00192 U	0.00178 U	0.023	0.016	0.016
Molybdenum	NA	1.8	0.55	0.35	0.59	0.47	0.81	0.91	1.1	0.64	0.38	0.37	0.41
Nickel	NA	7.1	7.4	10.1	11.9	15.6	7.4	10	9.7	8.2	14.1	15.2	14.1
Potassium	NA	2080	1210	1030	1460	1430	1370	2200	3290	3140	1610	2370	1710
Selenium	NA	0.202 U	0.83	0.73	0.75	0.41	0.85	0.66	0.85	0.77	0.75	0.38	0.59
Silver	NA	0.029 U	0.017	0.02	0.036	0.029	0.019	0.016	0.017	0.021	0.024	0.026	0.033
Sodium	NA	151	68.2	45.1	65.2	70.8	65.4	88.8	72.9	104	83.8	70.8	68.6
Thallium	NA	0.14 U	0.093	0.071	0.12	0.1	0.08	0.16	0.2	0.19	0.11	0.14	0.12
Thorium	7.4	4.9	5.1	4	5.2	6.7	4.1	6.3	6.7	5.9	5.3	5	5
Titanium	NA	519	301	327	469	521	366	591	670	641	422	484	394
Tungsten	NA	0.26	0.12 UJ	0.099 UJ	0.15	0.1 UJ	0.081 UJ	0.067 UJ	0.064 U	0.052 U	0.11 UJ	0.12 UJ	0.16
Uranium	2.7	**33.3**	1.7	1.2	2.6	1.7	**3.4**	1.9	**119**	1.4	1.4	**3.3**	**3.9**
Uranium-235	NA	0.082	0.011	0.0079	0.013	0.011	0.013	0.014	0.27	0.0097	0.0093	0.015	0.016
Uranium-238	NA	33.3	1.7	1.2	2.6	1.7	3.4	1.9	119	1.4	1.4	3.2	3.9
Vanadium	NA	18.4	12.4	13.9	18.8	17.7	11.8	21.5	24.3	20.9	18.9	19.2	20.7
Zinc	NA	17.3	15.4	16.9	28.7	19.5	16	23.7	25.8	23.7	21.6	28.8	32.7
Zirconium	NA	1.4 U	2.1	2.6	1.9	4.9	2	2.2	1.7	1.7	3.4	2.1	2.4

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11008	SB-RI-11009	SB-RI-11009	SB-RI-11010	SB-RI-11010	SB-RI-11011	SB-RI-11011	SB-RI-11012	SB-RI-11012	SB-RI-11013	SB-RI-11014	SB-RI-11015
Sample Name		SBRI11008020-10/26/2005	SBRI11009000-11/10/2004	SBRI11009004-11/10/2004	SBRI11010000-11/10/2004	SBRI11010004-11/10/2004	SBRI11011000-11/9/2004	SBRI11011004-11/9/2004	SBRI11012000-11/5/2004	SBRI11012008-11/5/2004	SBRI11013000-11/10/2004	SBRI11014000-11/10/2004	SBRI11015000-11/10/2004
Sample Date		10/26/2005	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/09/2004	11/09/2004	11/05/2004	11/05/2004	11/10/2004	11/10/2004	11/10/2004
		148495019					125092016		125090008				
		148495020	125364001	125364002	125364003	125364004	125252019	125252020	125091008	125090009	125364009	125364010	125364011
Lab Sample ID		148496015	125366003	125366004	125366005	125366006	125277013	125277014	125092002	125091009	125366016	125366017	125366018
Sample Depth (bgs)		20 - 22 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	0 - 4 (ft)	8 - 12 (ft)	0 - 4 (ft)	0 - 4 (ft)	0 - 4 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	-	-	-	-	-	-	-	-	-	-	-	-
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	-	-	-	-	-	0.398 ± 0.241	-	0.719 ± 0.346	-	-	-	-
Thorium-230	NA	-	-	-	-	-	0.473 ± 0.249	-	0.6 ± 0.319	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	0.227 ± 0.164	-	**0.944 ± 0.385**	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	**0.609 ± 0.265**	-	**8.32 ± 1.55**	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	**0.0843 ± 0.0959**	-	**0.684 ± 0.327**	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	**1.08 ± 0.355**	-	**56.9 ± 8.39**	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11016	SB-RI-11016	SB-RI-11016	SB-RI-11016	SB-RI-11016	SB-RI-11017	SB-RI-11017	SB-RI-11017	SB-RI-11018	SB-RI-11018	SB-RI-11018	SB-RI-11019
Sample Name		SBRI11016062-12/6/2004	SBRI11016066-12/6/2004	SBRI11016070-12/6/2004	SBRI11016074-12/6/2004	SBRI11016078-12/7/2004	SBRI11017002-10/28/2005	SBRI11017008-10/28/2005	SBRI11017020-10/28/2005	SBRI11018002-10/27/2005	SBRI11018008-10/27/2005	SBRI11018020-10/27/2005	SBRI11019002-10/27/2005
Sample Date		12/06/2004	12/06/2004	12/06/2004	12/06/2004	12/07/2004	10/28/2005	10/28/2005	10/28/2005	10/27/2005	10/27/2005	10/27/2005	10/27/2005
Lab Sample ID		126938001	126938002	126938003	126938004	126938005	149000006	149000007	149000012	148872010	148872011	148872015	148872012
Sample Depth (bgs)		62 - 64 (ft)	66 - 68 (ft)	70 - 72 (ft)	74 - 76 (ft)	78 - 80 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	-	-	-	-	-	0.00094 U	0.0021	0.001 U	0.0009 U	0.00094 U	0.00095 U	0.00098 U
1,1-Dichloroethene	NA	-	-	-	-	-	0.00094 U	0.0013 U	0.001 U	0.0009 U	0.00094 U	0.00095 U	0.0011
Acetone	NA	-	-	-	-	-	0.0047 UJ	0.0064 UJ	0.0052 UJ	0.0045 UJ	0.0047 UJ	0.0048 UJ	0.0049 UJ
Tetrachloroethene	NA	-	-	-	-	-	0.00094 U	0.0102	0.001 U	0.0009 U	0.00094 U	0.00095 U	0.00098 U
Trichloroethene	NA	-	-	-	-	-	0.00094 U	0.0052	0.001 U	0.0009 U	0.00094 U	0.00095 U	0.00058
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	0.0143	0.0352 U	0.038 U	0.0359 U
Acenaphthene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	0.268	0.0352 U	0.038 U	0.0359 U
Acenaphthylene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	0.0367 U	0.0352 U	0.038 U	0.0359 U
Anthracene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	0.39	0.0352 U	0.038 U	0.0359 U
Benzo(a)anthracene	0.34	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	**1.04**	0.0352 U	0.038 U	0.0359 U
Benzo(a)pyrene	0.22	-	-	-	-	-	0.0902	0.0375 U	0.0355 U	**1.38**	0.0352 U	0.038 U	0.0359 U
Benzo(b)fluoranthene	0.34	-	-	-	-	-	0.0221	0.0375 U	0.0355 U	**2.13**	0.0352 U	0.038 U	0.0359 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	1.2	0.0352 U	0.038 U	0.0359 U
Benzo(k)fluoranthene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	0.819	0.0352 U	0.038 U	0.0359 U
Benzoic acid	NA	-	-	-	-	-	0.705 U	0.75 U	0.71 U	0.492	0.703 UJ	0.761 UJ	0.718 UJ
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	0.353 U	0.375 U	0.355 U	0.367 U	0.352 U	0.38 U	0.359 U
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	0.353 U	0.375 U	0.355 U	0.367 U	0.352 U	0.38 U	0.359 U
Carbazole	NA	-	-	-	-	-	0.353 U	0.375 U	0.355 U	0.0475	0.352 U	0.38 U	0.359 U
Chrysene	NA	-	-	-	-	-	0.0136	0.0375 U	0.0355 U	1.09	0.0352 U	0.038 U	0.0323
Dibenz(a,h)anthracene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	0.0367 U	0.0352 U	0.038 U	0.0359 U
Dibenzofuran	NA	-	-	-	-	-	0.353 U	0.375 U	0.355 U	0.0947	0.352 U	0.38 U	0.359 U
Diethyl phthalate	NA	-	-	-	-	-	0.0916	0.375 U	0.0886	0.367 U	0.352 U	0.38 U	0.359 U
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	0.353 U	0.375 U	0.355 U	0.367 U	0.352 U	0.38 U	0.359 U
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	0.353 U	0.375 U	0.355 U	0.367 U	0.352 U	0.38 U	0.359 U
Fluoranthene	NA	-	-	-	-	-	0.0334	0.0375 U	0.0355 U	2.36	0.0352 U	0.0218	0.0688
Fluorene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	0.221	0.0352 U	0.038 U	0.0359 U
Indeno(1,2,3-cd)pyrene	0.34	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	**1.1**	0.0352 U	0.038 U	0.0359 U
Naphthalene	NA	-	-	-	-	-	0.0353 U	0.0375 U	0.0355 U	0.0367 U	0.0352 U	0.038 U	0.0359 U
Pentachlorophenol	NA	-	-	-	-	-	0.353 U	0.375 U	0.355 U	0.367 U	0.352 U	0.38 U	0.359 U
Phenanthrene	NA	-	-	-	-	-	0.0204	0.0375 U	0.0355 U	1.64	0.0352 U	0.0182	0.0327
Pyrene	NA	-	-	-	-	-	0.0254	0.0375 U	0.0355 U	1.39	0.0352 U	0.0129	0.0447
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Aluminum	NA	-	-	-	-	-	5990	9820	4170	7920	4290	9580	7120
Antimony	NA	-	-	-	-	-	0.033 UJ	0.1 UJ	0.048 UJ	0.05 UJ	0.0211 UJ	0.0224 UJ	0.033 UJ
Arsenic	13.7	-	-	-	-	-	3.8	4.1	3.7	6.5	4	4.9	4
Barium	NA	-	-	-	-	-	23.4	27.4	16.4	26.1	18.6	65.7	26.8
Beryllium	NA	-	-	-	-	-	0.27	0.33	0.2	0.32	0.2	0.28	0.33
Cadmium	NA	-	-	-	-	-	0.085	0.089	0.078	0.055	0.045	0.062	0.057
Calcium	NA	-	-	-	-	-	478	306	536	662	874	689	422
Chromium	NA	-	-	-	-	-	11.1	11.1	7.4	13.2	8.9	17	12.5
Cobalt	NA	-	-	-	-	-	2.6	2.3	3.6	3.1	1.7	2.9	2.8
Copper	NA	-	-	-	-	-	7.1 U	6 U	7.4 U	10.3 UJ	6 UJ	7.6 UJ	8.9 UJ
Iron	NA	-	-	-	-	-	7910	9110	7380	9720	6160	17800	8880
Lead	NA	-	-	-	-	-	5.2	50.7	3.2	5.8	3.1	4.1	14
Magnesium	NA	-	-	-	-	-	1980	1630	1530	2260	1680	3800	2150
Manganese	NA	-	-	-	-	-	79.5	70.8	105	90.4	68.5	133	106
Mercury	NA	-	-	-	-	-	0.0069	0.095	0.00316 U	0.011	0.00297 U	0.00321 U	0.0087
Molybdenum	NA	-	-	-	-	-	0.35	0.49	0.42	0.82	0.36	0.79	0.57
Nickel	NA	-	-	-	-	-	12.6	6.9	6.1	7.8	4.5	6.6	6.3
Potassium	NA	-	-	-	-	-	1420	797	1090	1200	1140	3390	1180
Selenium	NA	-	-	-	-	-	0.19 U	0.198 U	0.19 U	1.6	0.82	1.3	1.6
Silver	NA	-	-	-	-	-	0.018 U	0.03 U	0.017 U	0.021 U	0.02 U	0.022 U	0.031 U
Sodium	NA	-	-	-	-	-	64.1	41.3	65.7	62.5	73.5	105	57.2
Thallium	NA	-	-	-	-	-	0.11 U	0.12 U	0.086 U	0.13 U	0.11 U	0.26 U	0.14 U
Thorium	7.4	-	-	-	-	-	4.5	4.5	3.8	6	5.6	**8.1**	5.3
Titanium	NA	-	-	-	-	-	408	435	264	466	333	982	443
Tungsten	NA	-	-	-	-	-	0.15 U	0.083 U	0.099 U	0.18	0.095 U	0.098 U	0.12 U
Uranium	2.7	**12.6**	**4.68**	2.15	1.22	1.22	**7.9**	0.9	1.5	**18.2**	1.2	1.8	**13.4**
Uranium-235	NA	0.0312	0.013	0.0099	0.00795	0.00769	0.021	0.0064	0.0099	0.043	0.0078	0.011	0.034
Uranium-238	NA	12.6	4.67	2.14	1.21	1.21	7.8	0.9	1.4	18.1	1.2	1.8	13.4
Vanadium	NA	-	-	-	-	-	11.9	14.1	8.2	15.1	9.5	25.5	15.7
Zinc	NA	-	-	-	-	-	13	19.8	11.1	19	12.4	22.3	20.1
Zirconium	NA	-	-	-	-	-	1.5	2.2	1.4	2.4	2.2	2.3	2.2

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11016	SB-RI-11016	SB-RI-11016	SB-RI-11016	SB-RI-11016	SB-RI-11017	SB-RI-11017	SB-RI-11017	SB-RI-11018	SB-RI-11018	SB-RI-11018	SB-RI-11019
Sample Name		SBRI11016062-12/6/2004	SBRI11016066-12/6/2004	SBRI11016070-12/6/2004	SBRI11016074-12/6/2004	SBRI11016078-12/7/2004	SBRI11017002-10/28/2005	SBRI11017008-10/28/2005	SBRI11017020-10/28/2005	SBRI11018002-10/27/2005	SBRI11018008-10/27/2005	SBRI11018020-10/27/2005	SBRI11019002-10/27/2005
Sample Date		12/06/2004	12/06/2004	12/06/2004	12/06/2004	12/07/2004	10/28/2005	10/28/2005	10/28/2005	10/27/2005	10/27/2005	10/27/2005	10/27/2005
Lab Sample ID		126938001	126938002	126938003	126938004	126938005	149000006	149000007	149000012	148872010	148872011	148872015	148872012
Sample Depth (bgs)		62 - 64 (ft)	66 - 68 (ft)	70 - 72 (ft)	74 - 76 (ft)	78 - 80 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	-	-	-	-	-	0.0035 U	0.0037 U	-	3.67 U	0.0035 U	-	0.0036 U
Aroclor-1221 (PCB-1221)	NA	-	-	-	-	-	0.0035 U	0.0037 U	-	3.67 U	0.0035 U	-	0.0036 U
Aroclor-1232 (PCB-1232)	NA	-	-	-	-	-	0.0035 U	0.0037 U	-	3.67 U	0.0035 U	-	0.0036 U
Aroclor-1242 (PCB-1242)	NA	-	-	-	-	-	0.0035 U	0.0037 U	-	3.67 U	0.0035 U	-	0.0036 U
Aroclor-1248 (PCB-1248)	NA	-	-	-	-	-	0.0035 U	0.0037 U	-	3.67 U	0.0035 U	-	0.0036 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	0.0547	0.001682 U	-	50.46	0.0164	-	0.0574
Aroclor-1254 (PCB-1254)	NA	-	-	-	-	-	0.0449	0.0037 U	-	44.1	0.0164	-	0.0456
Aroclor-1260 (PCB-1260)	NA	-	-	-	-	-	0.0098	0.0037 U	-	6.36	0.0035 U	-	0.0118
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	-	-	-	-	-	0.0547	0.0037 U	-	**50.46**	0.0164	-	0.0574
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11019	SB-RI-11019	SB-RI-11020	SB-RI-11020	SB-RI-11020	SB-RI-11020	SB-RI-11021	SB-RI-11021	SB-RI-11021	SB-RI-11022	SB-RI-11022	SB-RI-11022
Sample Name		SBRI11019008-10/27/2005	SBRI11019020-10/27/2005	SBRI11020002-10/26/2005	SBRI11020008-10/26/2005	SBRI11020020-10/26/2005	SBRI11023020-10/28/2005	SBRI11021002-10/26/2005	SBRI11021008-10/26/2005	SBRI11021020-10/26/2005	SBRI11022002-10/26/2005	SBRI11022008-10/26/2005	SBRI11022020-10/26/2005
Sample Date		10/27/2005	10/27/2005	10/26/2005	10/26/2005	10/26/2005	10/28/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005
Lab Sample ID		148872017 148872020	148872018 148872021	148495011 148496008	148495012 148496009	148495017 148496010	 149000013	148873015 148884001	148873016 148884002	148873017 148884003	148495013 148496011	148495014 148496012	148495018 148496013
Sample Depth (bgs)		8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	0.0011 U	0.00096 UJ	0.0011 U	0.00095 U	0.00034	0.00095 U	0.0012 U	0.00094 U	0.00098 U	0.00099 U	0.00098 U	0.00095 U
1,1-Dichloroethene	NA	0.0011 U	0.00031	0.0011 U	0.00095 U	0.00091 U	0.00047	0.0012 U	0.00095	0.0018	0.00099 U	0.00072	0.00095 U
Acetone	NA	0.0053 UJ	0.0048 UJ	0.0056 U	0.0048 U	0.0083 U	0.0048 UJ	0.0059 U	0.0047 U	0.0049 U	0.0049 U	0.0185 U	0.0121 U
Tetrachloroethene	NA	0.0011 U	0.00096 UJ	0.0011 U	0.00095 U	0.00095	0.00095 U	0.0012 U	0.00094 U	0.00098 U	0.00099 U	0.00098 U	0.00095 U
Trichloroethene	NA	0.0011 U	0.00096 UJ	0.0011 U	0.00095 U	0.00091 U	0.00095 U	0.0012 U	0.00094 U	0.00098 U	0.00099 U	0.00098 U	0.00095 U
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Acenaphthene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Acenaphthylene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Anthracene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0134	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Benzo(a)anthracene	0.34	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Benzo(a)pyrene	0.22	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Benzo(b)fluoranthene	0.34	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Benzo(g,h,i)perylene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 UJ	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Benzo(k)fluoranthene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Benzoic acid	NA	0.721 UJ	0.805 UJ	0.726 U	0.713 U	0.429	0.763 U	0.773 U	0.755 UJ	0.828 UJ	0.841 U	0.775 U	0.734 U
bis(2-Ethylhexyl)phthalate	NA	0.36 U	0.183	0.182 U	0.178 U	0.827	0.381 U	0.387 U	0.377 U	0.414 U	0.21 U	0.123	0.297
Butyl benzylphthalate (BBP)	NA	0.36 U	0.402 U	0.363 U	0.357 U	0.368 U	0.381 U	0.387 U	0.377 U	0.414 U	0.42 U	0.387 U	0.367 U
Carbazole	NA	0.36 U	0.402 U	0.363 U	0.357 U	0.368 U	0.381 U	0.387 U	0.377 U	0.414 U	0.42 U	0.387 U	0.367 U
Chrysene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Dibenz(a,h)anthracene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Dibenzofuran	NA	0.36 U	0.402 U	0.363 U	0.357 U	0.368 U	0.381 U	0.387 U	0.377 U	0.414 U	0.42 U	0.387 U	0.367 U
Diethyl phthalate	NA	0.36 U	0.402 U	0.363 U	0.357 U	0.368 U	0.0842	0.387 U	0.377 U	0.414 U	0.42 U	0.387 U	0.367 U
Di-n-butylphthalate (DBP)	NA	0.36 U	0.402 U	0.363 U	0.357 U	0.368 U	0.381 U	0.387 U	0.377 U	0.414 U	0.42 U	0.387 U	0.367 U
Di-n-octyl phthalate (DnOP)	NA	0.36 U	0.402 U	0.363 U	0.357 U	0.368 U	0.381 U	0.387 U	0.377 U	0.414 U	0.42 U	0.387 U	0.367 U
Fluoranthene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0137	0.0381 U	0.0487	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Fluorene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Indeno(1,2,3-cd)pyrene	0.34	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Naphthalene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0387 U	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Pentachlorophenol	NA	0.36 U	0.402 U	0.363 U	0.357 U	0.368 U	0.381 U	0.387 U	0.377 U	0.414 U	0.42 U	0.387 U	0.367 U
Phenanthrene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0368 U	0.0381 U	0.0714	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
Pyrene	NA	0.036 U	0.0402 U	0.0363 U	0.0357 U	0.0268	0.0381 U	0.0438	0.0377 U	0.0414 U	0.042 U	0.0387 U	0.0367 U
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Aluminum	NA	7300	6650	4530	8970	6430	5540	10800	8550	10500	11100	7840	6620
Antimony	NA	0.023 UJ	0.044 UJ	0.029 UJ	0.0213 UJ	0.053 UJ	0.047 UJ	0.026 U	0.0226 U	0.047 U	0.0249 UJ	0.07 UJ	0.026 UJ
Arsenic	13.7	3.2	2.7	2.9	2.2	2.8	4.9	4.2	2.8	4	3.4	4.8	2.8
Barium	NA	46.1	55.2	20.3	60.8	31.7	24.5	31.9	51.3	41.1	30.5	49.5	47.9
Beryllium	NA	0.23	0.21	0.17	0.42	0.34	0.24	0.37	0.49	0.77	0.37	0.23	0.22
Cadmium	NA	0.05	0.055	0.046	0.074	0.073	0.22	0.13	0.14	0.26	0.11	0.09	0.08
Calcium	NA	810	776	580	952	808	2230	382	634	1630	505	834	999
Chromium	NA	14.6	14.1	8.4	17.5	19	11	15.1	20.7	18.8	15.5	15.5	14.8
Cobalt	NA	3	2.6	2	3.2	2.7	3.9	3.4	3.2	3.2	3.1	2.8	3.1
Copper	NA	7.9 UJ	16	6.6 UJ	51.7	53.5	8.4 U	9.5 U	72.6	73.6	9.3 UJ	8.2 UJ	8.8 UJ
Iron	NA	14100	9160	6010	15900	13700	7040	11500	18700	10700	10800	10600	12500
Lead	NA	3.8	3.3	2.7	3.3	3.5	3.6	4.8	5.2	4.9	5.3	3.7	3.9
Magnesium	NA	3240	2620	1580	3770	3130	1940	2870	3630	3430	3300	2790	3060
Manganese	NA	126	86.6	64.3	137	106	130	99.5	139	166	107	106	133
Mercury	NA	0.00311 U	0.00344 U	0.00313 UJ	0.0031 UJ	0.00317 UJ	0.00339 U	0.013	0.00331 U	0.00365 U	0.00357 UJ	0.00338 UJ	0.00322 UJ
Molybdenum	NA	0.81	0.59	0.66 U	0.54 U	1.2	0.31	0.86	38.5	0.4 U	0.48 U	1	0.97
Nickel	NA	7	6.7	4	7.2	6.8	7.5	7.7	7.6	10.1	7.9	7.3	6.6
Potassium	NA	2350	2600	1300	3840	2040	1330	1860	3320	2390	1880	2650	2760
Selenium	NA	1.5	0.214 U	0.194 U	0.192 U	0.198 U	0.204 U	0.209 U	0.203 U	0.22 U	0.224 U	0.206 U	0.196 U
Silver	NA	0.018 U	0.03 U	0.014 U	0.017 U	0.024 U	0.031 U	0.027 U	0.026 U	0.036 U	0.017 U	0.024 U	0.022 U
Sodium	NA	80.4	97.1	137	97.2	141	170	77	76.4	124	122	132	133
Thallium	NA	0.19 U	0.17 U	0.1 U	0.24 U	0.14 U	0.1 U	0.14 U	0.22 U	0.19 U	0.15 U	0.17 U	0.18 U
Thorium	7.4	5.5	**8.7**	3.7	5.3	5.3	**11.2**	6.7	6.7	**11**	**10.5**	5.4	4.6
Titanium	NA	649	540	367	936	516	474	522	699	558	857	702	650
Tungsten	NA	0.067 U	0.1 U	0.087 UJ	0.064 UJ	0.073 UJ	0.18 U	0.13 U	0.14 U	0.23 U	0.11 UJ	0.16 UJ	0.065 UJ
Uranium	2.7	1.6	**14.9**	**8.9**	**300**	**182**	**2.9**	1.9	**476**	**63**	**2.8**	**27.2**	2.5
Uranium-235	NA	0.0096	0.038	0.024	0.63	0.39	0.021	0.012	0.94	0.15	0.019	0.062	0.013
Uranium-238	NA	1.6	14.8	8.9	299	182	2.9	1.9	475	62.8	2.8	27.1	2.5
Vanadium	NA	19.2	17.1	10.8 UJ	25.4	18.1	11.5	22.3	26.2	17.5	21.5	19.6	20.7
Zinc	NA	22.7	16.9	10.9	22	16.3	14.3	18.6	21.5	22.6	18.1	18	19.1
Zirconium	NA	1.7	1.8	0.99 U	1.3 U	1.5 U	4.5	1.6	2.1	4.2	1.5 U	1.5 U	1.5 U

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11019	SB-RI-11019	SB-RI-11020	SB-RI-11020	SB-RI-11020	SB-RI-11020	SB-RI-11021	SB-RI-11021	SB-RI-11021	SB-RI-11022	SB-RI-11022	SB-RI-11022
Sample Name		SBRI11019008-10/27/2005	SBRI11019020-10/27/2005	SBRI11020002-10/26/2005	SBRI11020008-10/26/2005	SBRI11020020-10/26/2005	SBRI11023020-10/28/2005	SBRI11021002-10/26/2005	SBRI11021008-10/26/2005	SBRI11021020-10/26/2005	SBRI11022002-10/26/2005	SBRI11022008-10/26/2005	SBRI11022020-10/26/2005
Sample Date		10/27/2005	10/27/2005	10/26/2005	10/26/2005	10/26/2005	10/28/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005
Lab Sample ID		148872017 148872020	148872018 148872021	148495011 148496008	148495012 148496009	148495017 148496010	149000013	148873015 148884001	148873016 148884002	148873017 148884003	148495013 148496011	148495014 148496012	148495018 148496013
Sample Depth (bgs)		8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0036 U	-	0.0036 U	0.0036 U	-	-	0.0039 U	0.0038 U	-	0.0042 U	0.0038 U	-
Aroclor-1221 (PCB-1221)	NA	0.0036 U	-	0.0036 U	0.0036 U	-	-	0.0039 U	0.0038 U	-	0.0042 U	0.0038 U	-
Aroclor-1232 (PCB-1232)	NA	0.0036 U	-	0.0036 U	0.0036 U	-	-	0.0039 U	0.0038 U	-	0.0042 U	0.0038 U	-
Aroclor-1242 (PCB-1242)	NA	0.0036 U	-	0.0036 U	0.0036 U	-	-	0.0039 U	0.0038 U	-	0.0042 U	0.0038 U	-
Aroclor-1248 (PCB-1248)	NA	0.0036 U	-	0.0036 U	0.0036 U	-	-	0.0039 U	0.0038 U	-	0.0042 U	0.0038 U	-
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.001621 U	-	0.001635 U	0.001635 U	-	-	0.0032	0.0078	-	0.001903 U	0.001739 U	-
Aroclor-1254 (PCB-1254)	NA	0.0036 U	-	0.0036 U	0.0036 U	-	-	0.0032	0.0078	-	0.0042 U	0.0038 U	-
Aroclor-1260 (PCB-1260)	NA	0.0036 U	-	0.0036 U	0.0036 U	-	-	0.0039 U	0.0038 U	-	0.0042 U	0.0038 U	-
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	0.0036 U	-	0.0036 U	0.0036 U	-	-	0.0032	0.0078	-	0.0042 U	0.0038 U	-
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11023	SB-RI-11023	SB-RI-11024	SB-RI-11024	SB-RI-11024	SB-RI-11025	SB-RI-11025	SB-RI-11025	SB-RI-11026	SB-RI-11026	SB-RI-11026	SB-RI-11027
Sample Name		SBRI11023002-10/28/2005	SBRI11023008-10/28/2005	SBRI11024001-10/28/2005	SBRI11024008-10/28/2005	SBRI11024020-10/28/2005	SBRI11025002-10/27/2005	SBRI11025008-10/27/2005	SBRI11025020-10/27/2005	SBRI11026000-7/31/2007	SBRI11026008-7/31/2007	SBRI11026018-7/31/2007	SBRI11027000-7/31/2007
Sample Date		10/28/2005	10/28/2005	10/28/2005	10/28/2005	10/28/2005	10/27/2005	10/27/2005	10/27/2005	07/31/2007	07/31/2007	07/31/2007	07/31/2007
Lab Sample ID		149000008	149000009	149000010	149000011	149000014	148872013	148872014	148872016	190585015 190585016	190585013 190585014	190585017 190585018	190585012
Sample Depth (bgs)		2 - 4 (ft)	8 - 10 (ft)	1 - 2 (ft)	8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	0 - 2 (ft)	8 - 10 (ft)	18 - 20 (ft)	0 - 2 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	0.00051	0.0011 U	0.001 U	0.00086 U	0.00091 U	0.0011 U	0.00094 U	0.00098 U	0.000984 U	0.000783 U	0.00072 U	0.000679 U
1,1-Dichloroethene	NA	0.00083 U	0.0011 U	0.001 U	0.0025	0.00035	0.00063	0.0044	0.00098 U	0.000984 U	0.000783 U	0.00072 U	0.000679 U
Acetone	NA	0.0042 UJ	0.0055 UJ	0.0051 UJ	0.0043 UJ	0.0045 UJ	0.0054 UJ	0.0047 UJ	0.0049 UJ	0.00492 UJ	0.00392 UJ	0.0036 UJ	0.00339 UJ
Tetrachloroethene	NA	0.0014	0.0011 U	0.001 U	0.00086 U	0.00091 U	0.0011 U	0.00094 U	0.00098 U	0.000984 U	0.000783 U	0.00072 U	0.000679 U
Trichloroethene	NA	0.00074	0.0011 U	0.001 U	0.00086 U	0.00091 U	0.0011 U	0.00094 U	0.00098 U	0.000984 U	0.000783 U	0.00072 U	0.000679 U
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.035 U	0.0351 U	0.0386 U	0.0368 UJ	0.0402 UJ	0.0393 U	0.0348 U
Acenaphthene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.0195	0.0351 U	0.0167	0.0126	0.0402 UJ	0.0393 U	0.0348 U
Acenaphthylene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.035 U	0.0351 U	0.0386 U	0.0368 U	0.0402 UJ	0.0393 U	0.0348 U
Anthracene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.031	0.0156	0.0283	0.0167	0.0402 U	0.0393 U	0.027
Benzo(a)anthracene	0.34	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.035 U	0.0351 U	0.0386 U	0.0398	0.0402 U	0.0393 UJ	0.15
Benzo(a)pyrene	0.22	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.121	0.0431	0.0595	0.0664	0.0402 UJ	0.0591	0.145
Benzo(b)fluoranthene	0.34	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.0783	0.0281	0.0587	0.0644	0.0402 UJ	0.0393 UJ	0.193
Benzo(g,h,i)perylene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.0899	0.0351 U	0.0386 U	0.0368 UJ	0.0402 UJ	0.0393 UJ	0.0599
Benzo(k)fluoranthene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.035 U	0.0135	0.0207	0.0158	0.0402 UJ	0.0393 UJ	0.0829
Benzoic acid	NA	0.733 U	0.805 U	0.767 U	0.723 U	0.701 U	0.7 U	0.702 UJ	0.771 UJ	0.735 UJ	0.804 UJ	0.787 UJ	0.697 U
bis(2-Ethylhexyl)phthalate	NA	0.366 U	0.402 U	0.122	0.18	0.33	0.0747	0.351 U	0.386 U	0.0875	0.15	0.239	0.106
Butyl benzylphthalate (BBP)	NA	0.366 U	0.402 U	0.384 U	0.362 U	0.35 U	0.35 U	0.351 U	0.386 U	0.368 U	0.402 U	0.393 UJ	0.348 UJ
Carbazole	NA	0.366 U	0.402 U	0.384 U	0.362 U	0.35 U	0.018	0.351 U	0.0145	0.0368 UJ	0.0402 UJ	0.0393 UJ	0.0348 UJ
Chrysene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.0517	0.0316	0.0579	0.0412	0.0402 U	0.0202	0.146
Dibenz(a,h)anthracene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.035 U	0.0351 U	0.0386 U	0.0368 UJ	0.0402 UJ	0.0393 UJ	0.0348 UJ
Dibenzofuran	NA	0.366 U	0.402 U	0.384 U	0.362 U	0.35 U	0.35 U	0.351 U	0.386 U	0.368 U	0.402 UJ	0.393 U	0.348 U
Diethyl phthalate	NA	0.366 U	0.101	0.384 U	0.362 U	0.35 U	0.35 U	0.351 U	0.386 U	0.368 U	0.402 UJ	0.393 U	0.348 U
Di-n-butylphthalate (DBP)	NA	0.366 U	0.402 U	0.384 U	0.362 U	0.35 U	0.35 U	0.351 U	0.386 U	0.368 U	0.402 U	0.393 U	0.348 U
Di-n-octyl phthalate (DnOP)	NA	0.366 U	0.402 U	0.384 U	0.362 U	0.35 U	0.16	0.351 U	0.386 U	0.368 UJ	0.402 UJ	0.393 UJ	0.348 UJ
Fluoranthene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.152	0.0796	0.148	0.0958	0.0402 U	0.0475	0.266
Fluorene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.035 U	0.0351 U	0.0156	0.0368 U	0.0402 UJ	0.0393 U	0.0348 U
Indeno(1,2,3-cd)pyrene	0.34	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.102	0.0351 U	0.0386 U	0.0368 UJ	0.0402 UJ	0.0393 UJ	0.0822
Naphthalene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.035 U	0.0351 U	0.0386 U	0.0368 UJ	0.0402 UJ	0.0393 U	0.0348 U
Pentachlorophenol	NA	0.366 U	0.402 U	0.384 U	0.362 U	0.35 U	0.35 U	0.351 U	0.386 U	0.368 U	0.402 U	0.393 U	0.348 U
Phenanthrene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.139	0.0681	0.126	0.0689	0.0402 U	0.0205	0.101
Pyrene	NA	0.0366 U	0.0402 U	0.0384 U	0.0362 U	0.035 U	0.123	0.0515	0.0957	0.0765	0.0402 U	0.0504	0.244
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Aluminum	NA	7470	9550	5640	6260	6460	6620	5790	8090	4.1 U	7180	9160	8330
Antimony	NA	0.051 UJ	0.03 UJ	0.035 UJ	0.024 UJ	0.021 UJ	0.07 UJ	0.021 UJ	0.0231 UJ	0.0426 UJ	0.067 UJ	0.0438 UJ	0.0413 UJ
Arsenic	13.7	4.7	3.7	3.7	3	3.2	4.4	2.6	3.9	0.213 U	7.2	3.1	3.1
Barium	NA	17.6	69	33.6	43.5	56.5	38.7	44.9	66.4	0.021 U	29.6	52.9	34.8
Beryllium	NA	0.29	0.31	0.22	0.19	0.17	0.24	0.21	0.25	0.00426 U	0.28	0.31	0.35
Cadmium	NA	0.078	0.14	0.11	0.11	0.09	0.047	0.045	0.074	0.00213 U	0.051	0.042	0.13
Calcium	NA	469	900	1110	1540	842	486	1010	1490	7 U	1100 U	756 U	975 U
Chromium	NA	10.8	20.1	10.8	14.6	17.3	14.1	13.7	17	0.5 U	12.6	18.5	15.1
Cobalt	NA	2.5	4.5	2	3	3	2.8	3.2	3.2	0.00213 U	2.4	3.2	3.6
Copper	NA	5.8 U	14.5	7.6 U	7.8 U	12.2 U	7.1 UJ	10 UJ	12.7	0.019 U	8.9	8.6	31.4
Iron	NA	8590	21400	8110	9750	15200	10300	10300	15900	9.2 U	9340	13200	13300
Lead	NA	4.9	5.2	2.9	3.1	4.6	4.2	3.5	4.1	0.01 U	4.2	2.9	9.3
Magnesium	NA	1870	4080	2200	2870	3090	2650	2700	3320	1.7 U	2490	3910	3580
Manganese	NA	70.6	152	85.7	109	120	103	111	131	0.056 U	94	127	154
Mercury	NA	0.024	0.00344 U	0.00345 U	0.00302 U	0.00303 U	0.00291 U	0.00308 U	0.00343 U	0.0046	0.00175 U	0.00158 U	0.011
Molybdenum	NA	1.2	1.4	0.44	0.62	1.5	0.54	0.61	0.78	0.0426 U	0.37	0.58	0.88
Nickel	NA	6.5	9.6	5	7.4	6.6	6.3	7.5	7.3	0.019 U	7.1	7.8	7.3
Potassium	NA	905	4130	2020	2630	3310	1600	2300	3080	4.48 U	1560	3670	2400
Selenium	NA	0.196 U	0.215 U	0.207 U	0.191 U	0.187 U	1	0.94	1.1	0.213 U	0.232 U	0.219 U	0.207 U
Silver	NA	0.019 U	0.024 U	0.018 U	0.023 U	0.034 U	0.019 U	0.016 U	0.027 U	0.000853 U	0.026 U	0.012 U	0.036 U
Sodium	NA	56.6	113	131	205	143	62.1	94.1	124	1.3 U	94.6 U	113 U	104 U
Thallium	NA	0.091 U	0.27 U	0.12 U	0.15 U	0.19 U	0.14 U	0.18 U	0.24 U	0.0213 U	0.11 U	0.17 U	0.15 U
Thorium	7.4	4.2	**8.1**	6.6	5.6	4.5	6.5	6	**9.7**	0.0213 U	6.9	**8.3**	3.7
Titanium	NA	393	1040	591	640	683	515	568	839	0.47 U	499	850	640
Tungsten	NA	0.15 U	0.096 U	0.15 U	0.088 U	0.072 U	0.088 U	0.055 U	0.095 U	0.19 U	0.43 U	0.0219 U	0.74 U
Uranium	2.7	1.1	2.5	**19.1**	1.5	1.5	1.5	1.5	2.4	0.00639 U	1.8	1.7	**4.6**
Uranium-235	NA	0.0074	0.018	0.049	0.0094	0.0098	0.0096	0.01	0.016	0.000639 U	0.012	0.011	0.019
Uranium-238	NA	1.1	2.5	19	1.4	1.5	1.5	1.5	2.4	0.00213 U	1.8	1.6	4.6
Vanadium	NA	12.8	31.3	14.4	17.7	21.4	17	18.1	24	0.56 U	13.9	25.7	19.4
Zinc	NA	13.4	25.8	13	17.4	18.4	20.4	22.8	24.3	0.18 U	16.4	20.8	27.2
Zirconium	NA	1.5	2.2	1.9	2.3	1.8	1.8	1.5	2.5	0.066 U	3.5	2.3	2.8

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11											
Location Name	Record of Decision Cleanup Level	SB-RI-11023	SB-RI-11023	SB-RI-11024	SB-RI-11024	SB-RI-11024	SB-RI-11025	SB-RI-11025	SB-RI-11025	SB-RI-11026	SB-RI-11026	SB-RI-11026	SB-RI-11027
Sample Name		SBRI11023002-10/28/2005	SBRI11023008-10/28/2005	SBRI11024001-10/28/2005	SBRI11024008-10/28/2005	SBRI11024020-10/28/2005	SBRI11025002-10/27/2005	SBRI11025008-10/27/2005	SBRI11025020-10/27/2005	SBRI11026000-7/31/2007	SBRI11026008-7/31/2007	SBRI11026018-7/31/2007	SBRI11027000-7/31/2007
Sample Date		10/28/2005	10/28/2005	10/28/2005	10/28/2005	10/28/2005	10/27/2005	10/27/2005	10/27/2005	07/31/2007	07/31/2007	07/31/2007	07/31/2007
Lab Sample ID		149000008	149000009	149000010	149000011	149000014	148872013	148872014	148872016	190585015 190585016	190585013 190585014	190585017 190585018	190585012
Sample Depth (bgs)		2 - 4 (ft)	8 - 10 (ft)	1 - 2 (ft)	8 - 10 (ft)	20 - 22 (ft)	2 - 4 (ft)	8 - 10 (ft)	20 - 22 (ft)	0 - 2 (ft)	8 - 10 (ft)	18 - 20 (ft)	0 - 2 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0037 U	0.004 U	0.0038 U	0.0036 U	-	0.0035 U	0.0035 U	-	0.0735 U	0.201 U	0.157 U	0.0174 U
Aroclor-1221 (PCB-1221)	NA	0.0037 U	0.004 U	0.0038 U	0.0036 U	-	0.0035 U	0.0035 U	-	0.0735 U	0.201 U	0.157 U	0.0174 U
Aroclor-1232 (PCB-1232)	NA	0.0037 U	0.004 U	0.0038 U	0.0036 U	-	0.0035 U	0.0035 U	-	0.0735 U	0.201 U	0.157 U	0.0174 U
Aroclor-1242 (PCB-1242)	NA	0.0037 U	0.004 U	0.0038 U	0.0036 U	-	0.0035 U	0.0035 U	-	0.0735 U	0.201 U	0.157 U	0.0174 U
Aroclor-1248 (PCB-1248)	NA	0.0037 U	0.004 U	0.0038 U	0.0036 U	-	0.0035 U	0.0035 U	-	0.0735 U	0.201 U	0.157 U	0.0174 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.00165 U	0.001814 U	0.001725 U	0.001622 U	-	0.0065	0.001576 U	-	1.34	1.71	4.78	0.282
Aroclor-1254 (PCB-1254)	NA	0.0037 U	0.004 U	0.0038 U	0.0036 U	-	0.0065	0.0035 U	-	1.34	1.71	3.69	0.169
Aroclor-1260 (PCB-1260)	NA	0.0037 U	0.004 U	0.0038 U	0.0036 U	-	0.0035 U	0.0035 U	-	0.0735 U	0.201 U	1.09	0.113
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	0.0037 U	0.004 U	0.0038 U	0.0036 U	-	0.0065	0.0035 U	-	**1.34**	**1.71**	**4.78**	0.282
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11								AOI 13				
Location Name	Record of Decision Cleanup Level	SB-RI-11027	SB-RI-11027	SB-RI-11028	SB-RI-11028	SB-RI-11028	SB-RI-11029	SB-RI-11029	SB-RI-11029	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13097
Sample Name		SBRI11027008-7/31/2007	SBRI11027018-7/31/2007	SBRI11028000-7/31/2007	SBRI11028008-7/31/2007	SBRI11028018-7/31/2007	SBRI11029000-8/1/2007	SBRI11029008-8/1/2007	SBRI11029018-8/1/2007	SB-PD-13097-001-050823	SB-PD-13097-002-050823	SB-PD-13097-004-050823	SB-PD-13097-006-050823	SB-PD-13097-008-050823
Sample Date		07/31/2007	07/31/2007	07/31/2007	07/31/2007	07/31/2007	08/01/2007	08/01/2007	08/01/2007	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023
Lab Sample ID		190585010	190585011	190585004	190585005	190585006	190585021	190585022	190585023	621910023 L2325213-01	621910024 L2325213-02	621910025 L2325213-03	621910026 L2325213-04	621910027 L2325213-05
Sample Depth (bgs)		8 - 10 (ft)	18 - 20 (ft)	0 - 2 (ft)	8 - 10 (ft)	18 - 20 (ft)	0 - 2 (ft)	8 - 10 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	NA	0.000689 U	0.000727 U	0.000634 U	0.000692 U	0.000851 U	0.00107 U	0.000979 U	0.000907 U	-	-	-	-	-
1,1-Dichloroethene	NA	0.000689 U	0.000727 U	0.000634 U	0.000692 U	0.000851 U	0.00107 U	0.000979 U	0.000907 U	-	-	-	-	-
Acetone	NA	0.00344 UJ	0.00363 UJ	0.00317 UJ	0.00346 UJ	0.00425 UJ	0.00536 UJ	0.00489 UJ	0.00453 UJ	-	-	-	-	-
Tetrachloroethene	NA	0.000689 U	0.000727 U	0.000634 U	0.000692 U	0.000851 U	0.00107 U	0.000979 U	0.000907 U	-	-	-	-	-
Trichloroethene	NA	0.000689 U	0.000727 U	0.000634 U	0.000692 U	0.000851 U	0.00107 U	0.000979 U	0.000907 U	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NA	0.034	0.068	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	-	-	-	-	-
Acenaphthene	NA	0.138 U	0.14 U	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	-	-	-	-	-
Acenaphthylene	NA	0.138 U	0.14 U	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	-	-	-	-	-
Anthracene	NA	0.138 U	0.14 U	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 U	-	-	-	-	-
Benzo(a)anthracene	0.34	0.138 UJ	0.14 UJ	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.0554	0.0363 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.138 UJ	0.14 UJ	0.0351 U	0.035 UJ	0.0374 U	0.0343 UJ	0.0833	0.0363 UJ	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.138 UJ	0.14 UJ	0.0351 U	0.035 UJ	0.0374 U	0.0343 UJ	0.204	0.0363 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	0.138 UJ	0.14 UJ	0.0351 U	0.035 UJ	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	-	-	-	-	-
Benzo(k)fluoranthene	NA	0.138 UJ	0.14 UJ	0.0351 U	0.035 UJ	0.0374 U	0.0343 UJ	0.0573	0.0363 UJ	-	-	-	-	-
Benzoic acid	NA	2.75 U	2.79 U	0.701 U	0.701 U	0.749 U	0.686 UJ	0.705 UJ	0.726 UJ	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.359	0.488	0.109	0.105	0.14	0.0868	0.279	0.0933	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	1.38 UJ	1.4 UJ	0.351 U	0.35 U	0.374 U	0.343 UJ	0.352 UJ	0.363 UJ	-	-	-	-	-
Carbazole	NA	0.138 UJ	0.14 UJ	0.0351 U	0.035 UJ	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	-	-	-	-	-
Chrysene	NA	0.138 UJ	0.14 UJ	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.16	0.0363 UJ	-	-	-	-	-
Dibenz(a,h)anthracene	NA	0.138 UJ	0.14 UJ	0.0351 U	0.035 UJ	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	-	-	-	-	-
Dibenzofuran	NA	1.38 U	1.4 U	0.351 U	0.35 U	0.374 U	0.343 UJ	0.352 UJ	0.363 UJ	-	-	-	-	-
Diethyl phthalate	NA	1.38 U	1.4 U	0.351 U	0.35 U	0.374 U	0.343 UJ	0.352 UJ	0.363 UJ	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	1.38 U	1.4 U	0.351 U	0.35 U	0.374 U	0.343 UJ	0.352 UJ	0.363 U	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	1.38 UJ	1.4 UJ	0.351 U	0.35 UJ	0.374 U	0.343 UJ	0.352 UJ	0.363 UJ	-	-	-	-	-
Fluoranthene	NA	0.0561	0.112	0.0224	0.0145	0.0374 U	0.0343 UJ	0.23	0.0363 U	-	-	-	-	-
Fluorene	NA	0.138 U	0.14 U	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.138 UJ	0.14 UJ	0.0351 U	0.035 UJ	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Naphthalene	NA	0.138 U	0.14 U	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.0352 UJ	0.0363 UJ	-	-	-	-	-
Pentachlorophenol	NA	1.38 U	1.4 U	0.351 U	0.35 U	0.374 U	0.343 UJ	0.352 UJ	0.363 UJ	-	-	-	-	-
Phenanthrene	NA	0.082	0.152	0.0351 U	0.035 U	0.0374 U	0.0343 UJ	0.0348	0.0363 U	-	-	-	-	-
Pyrene	NA	0.0464	0.0979	0.0184	0.0122	0.0374 U	0.0343 UJ	0.236	0.0363 UJ	-	-	-	-	-
EPH (mg/kg)														
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)														
Aluminum	NA	8400	7380	9300	9100	9890	8720	9790	9540	-	-	-	-	-
Antimony	NA	0.0397 UJ	0.0407 UJ	0.056 UJ	0.0408 UJ	0.044 UJ	0.068 UJ	0.041 UJ	0.0429 UJ	-	-	-	-	-
Arsenic	13.7	2.8	3.1	5.6	4.8	3.8	6.3	3.8	2.6	**13.7 N**	4.56 N	6.75 N	5.41 N	4.18 N
Barium	NA	34.2	34.3	25.5	38.6	58.1	24.9	55.8	68.4	-	-	-	-	-
Beryllium	NA	0.28	0.23	0.34	0.32	0.31	0.31	0.3	0.24	-	-	-	-	-
Cadmium	NA	0.046	0.038	0.05	0.049	0.06	0.054	0.055	0.044	-	-	-	-	-
Calcium	NA	564 U	903 U	727 U	579 U	918 U	682 U	743 U	941 U	-	-	-	-	-
Chromium	NA	17	16.5	16.5	18.9	19.2	18.5	19	18.9	-	-	-	-	-
Cobalt	NA	3.5	3.3	3.9	3.8	3.9	6.8	3.6	3.3	-	-	-	-	-
Copper	NA	9.9	9.5	8.6	9.6	17.6	10	12.5	10.6	-	-	-	-	-
Iron	NA	13100	12300	13700	15000	17000	12800	15000	16000	-	-	-	-	-
Lead	NA	6.8	4.1	5.6	4.8	4.6	5	4.2	4.1	-	-	-	-	-
Magnesium	NA	3580	3650	3860	3580	4550	4190	4280	4320	-	-	-	-	-
Manganese	NA	121	127	129	124	155	187	145	153	-	-	-	-	-
Mercury	NA	0.0033	0.0041	0.0097	0.0076	0.00167 U	0.0041	0.00147 U	0.00149 U	-	-	-	-	-
Molybdenum	NA	0.65	0.57	0.38	0.51	0.84	0.58	0.76	0.59	-	-	-	-	-
Nickel	NA	8.6	7.8	10.6	9.4	9.1	13.9	8.6	7.4	-	-	-	-	-
Potassium	NA	1870	2200	1440	2390	3310	1680	3230	3750	-	-	-	-	-
Selenium	NA	0.198 U	0.204 U	0.205 U	0.204 U	0.22 U	0.203 U	0.205 U	0.215 U	-	-	-	-	-
Silver	NA	0.017 U	0.017 U	0.02 U	0.017 U	0.023 U	0.022 U	0.025 U	0.023 U	-	-	-	-	-
Sodium	NA	81.6 U	96.6 U	77 U	75.7 U	104 U	68.9 U	119 U	111 U	-	-	-	-	-
Thallium	NA	0.14 U	0.13 U	0.15 U	0.17 U	0.23 U	0.14 U	0.19 U	0.23 U	-	-	-	-	-
Thorium	7.4	4.4	3.8	5.6	**7.5**	**8.4**	4.8	**8.5**	5.2	3.97	3.13	4.71	5.77	4.11
Titanium	NA	561	617	539	707	909	497	801	944	-	-	-	-	-
Tungsten	NA	0.34 U	0.4 U	0.41 U	0.33 U	0.31 U	0.71 U	0.27 U	0.22 U	-	-	-	-	-
Uranium	2.7	1.3	1.4	2.3	2	2.3	2.4	**3.8**	1.2	**19.9**	1.79	0.968	1.1	0.839
Uranium-235	NA	0.0083	0.0086	0.012	0.013	0.016	0.013	0.026	0.0079	0.0451	0.0131 J	0.00689 J	0.00771 J	0.00604 J
Uranium-238	NA	1.3	1.4	2.2	2	2.3	2.4	3.7	1.2	19.8 N	1.77 N	0.961 N	1.09 N	0.833 N
Vanadium	NA	23.2	20.2	17.1	19.9	34	17.5	27.8	33.7	-	-	-	-	-
Zinc	NA	20.3	20.3	22.4	22.9	26.5	23	23.8	25.7	-	-	-	-	-
Zirconium	NA	1.8	1.7	2.5	2.3	2.2	4	2.4	1.9	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 11								AOI 13				
Location Name	Record of Decision Cleanup Level	SB-RI-11027	SB-RI-11027	SB-RI-11028	SB-RI-11028	SB-RI-11028	SB-RI-11029	SB-RI-11029	SB-RI-11029	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13097
Sample Name		SBRI11027008-7/31/2007	SBRI11027018-7/31/2007	SBRI11028000-7/31/2007	SBRI11028008-7/31/2007	SBRI11028018-7/31/2007	SBRI11029000-8/1/2007	SBRI11029008-8/1/2007	SBRI11029018-8/1/2007	SB-PD-13097-001-050823	SB-PD-13097-002-050823	SB-PD-13097-004-050823	SB-PD-13097-006-050823	SB-PD-13097-008-050823
Sample Date		07/31/2007	07/31/2007	07/31/2007	07/31/2007	07/31/2007	08/01/2007	08/01/2007	08/01/2007	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023
Lab Sample ID		190585010	190585011	190585004	190585005	190585006	190585021	190585022	190585023	621910023 L2325213-01	621910024 L2325213-02	621910025 L2325213-03	621910026 L2325213-04	621910027 L2325213-05
Sample Depth (bgs)		8 - 10 (ft)	18 - 20 (ft)	0 - 2 (ft)	8 - 10 (ft)	18 - 20 (ft)	0 - 2 (ft)	8 - 10 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)
PCBs (mg/kg)														
Aroclor-1016 (PCB-1016)	NA	0.0689 U	0.0698 U	0.701 U	0.35 U	0.0187 U	0.00343 U	0.0705 U	0.00363 U	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Aroclor-1221 (PCB-1221)	NA	0.0689 U	0.0698 U	0.701 U	0.35 U	0.0187 U	0.00343 U	0.0705 U	0.00363 U	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Aroclor-1232 (PCB-1232)	NA	0.0689 U	0.0698 U	0.701 U	0.35 U	0.0187 U	0.00343 U	0.0705 U	0.00363 U	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Aroclor-1242 (PCB-1242)	NA	0.0689 U	0.0698 U	0.701 U	0.35 U	0.0187 U	0.00343 U	0.0705 U	0.00363 U	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Aroclor-1248 (PCB-1248)	NA	0.0689 U	0.0698 U	0.701 U	0.35 U	0.0187 U	0.00343 U	0.0705 U	0.00363 U	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.288	0.514	2.85	2.11	0.288	0.0012	0.0388	0.00242 U	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.288	0.514	2.85	2.11	0.288	0.0012	0.0388	0.00363 U	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Aroclor-1260 (PCB-1260)	NA	0.0689 U	0.0698 U	0.701 U	0.35 U	0.0187 U	0.00343 U	0.0705 U	0.00363 U	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Polychlorinated biphenyls (PCBs)	1	0.288	0.514	**2.85**	**2.11**	0.288	0.0012	0.0388	0.00363 U	0.0492 U	0.0515 U	0.0502 U	0.0502 U	0.0518 U
Other														
Total Solids (%)	NA	-	-	-	-	-	-	-	-	93.4	96.1	93	95.4	95.6
Radiological (pCi/g)														
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name	Record of Decision Cleanup Level	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098
Sample Name		SB-PD-13097-010-050823	SB-PD-13097-012-050823	SB-PD-13097-014-050823	SB-PD-13097-016-050823	SB-PD-13097-018-050823	SB-PD-13098-001-050823	SB-PD-13098-002-050823	SB-PD-13098-004-050823	SB-PD-13098-006-050823	SB-PD-13098-008-050823	SB-PD-13098-010-050823	SB-PD-13098-012-050823	SB-PD-13098-014-050823
Sample Date		05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023
Lab Sample ID		621910028 L2325213-06	621910029 L2325213-07	621910030 L2325213-08	621910031 L2325213-09	621910032 L2325213-10	621922001 L2325212-01	621922002 L2325212-02	621922003 L2325212-03	621922004 L2325212-04	621922005 L2325212-05	621922006 L2325212-06	621922007 L2325212-07	621922008 L2325212-08
Sample Depth (bgs)		10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.71**	0.11	0.11 U	0.1 U	0.1 U	0.038 J	0.025 J	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	**0.57**	0.097 J	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.7**	0.11	0.11 U	0.1 U	0.1 U	0.036 J	0.03 J	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	**0.37**	0.058 J	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Naphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)														
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)														
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13.7	4.8 N	3.97 N	3.92 N	4.71 N	5.07 N	4.71	4.04	4.29	5.06	3.86	2.98	3.76	4.37
Barium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	7.4	4.73	3.13	2.49	4.34	3.13	4.28	4.45	3.9	3.57	3.11	3.53	4.95	3.33
Titanium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	2.7	1.71	0.983	0.753	1.19	0.941	1.31	1.08	1.02	1.1	0.84	0.903	0.825	0.985
Uranium-235	NA	0.00957 J	0.00746 J	0.00564 J	0.00906 J	0.00694 J	0.00863 J	0.00783 J	0.00742 J	0.00819 J	0.00608 J	0.00659 J	0.00631 J	0.00742 J
Uranium-238	NA	1.7 N	0.976 N	0.748 N	1.18 N	0.934 N	1.3	1.07	1.01	1.1	0.834	0.896	0.819	0.977
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name	Record of Decision Cleanup Level	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13097	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098	SB-PD-13098
Sample Name		SB-PD-13097-010-050823	SB-PD-13097-012-050823	SB-PD-13097-014-050823	SB-PD-13097-016-050823	SB-PD-13097-018-050823	SB-PD-13098-001-050823	SB-PD-13098-002-050823	SB-PD-13098-004-050823	SB-PD-13098-006-050823	SB-PD-13098-008-050823	SB-PD-13098-010-050823	SB-PD-13098-012-050823	SB-PD-13098-014-050823
Sample Date		05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023	05/08/2023
Lab Sample ID		621910028 L2325213-06	621910029 L2325213-07	621910030 L2325213-08	621910031 L2325213-09	621910032 L2325213-10	621922001 L2325212-01	621922002 L2325212-02	621922003 L2325212-03	621922004 L2325212-04	621922005 L2325212-05	621922006 L2325212-06	621922007 L2325212-07	621922008 L2325212-08
Sample Depth (bgs)		10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
PCBs (mg/kg)														
Aroclor-1016 (PCB-1016)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Aroclor-1221 (PCB-1221)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Aroclor-1232 (PCB-1232)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Aroclor-1242 (PCB-1242)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Aroclor-1248 (PCB-1248)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Aroclor-1260 (PCB-1260)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Aroclor-1262 (PCB-1262)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Aroclor-1268 (PCB-1268)	NA	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Polychlorinated biphenyls (PCBs)	1	0.0493 U	0.0514 U	0.05 U	0.0512 U	0.0525 U	0.0522 U	0.0526 U	0.0544 U	0.0532 U	0.0513 U	0.0499 U	0.0505 U	0.0497 U
Other														
Total Solids (%)	NA	94	96.4	96.2	96.2	95.1	92.6	94.3	90.2	93.1	94.3	92.5	91.1	95.6
Radiological (pCi/g)														
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name	Record of Decision Cleanup Level	SB-PD-13098	SB-PD-13098	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13100
Sample Name		SB-PD-13098-016-050823	SB-PD-13098-018-050823	SB-PD-13099-001-050523	SB-PD-13099-002-050523	SB-PD-13099-004-050523	SB-PD-13099-006-050523	SB-PD-13099-008-050523	SB-PD-13099-010-050523	SB-PD-13099-012-050523	SB-PD-13099-014-050523	SB-PD-13099-016-050523	SB-PD-13099-018-050523	SB-PD-13100-001-050523
Sample Date		05/08/2023	05/08/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023
Lab Sample ID		621922009 L2325212-09	621922010 L2325212-10	621501031 L2324998-01	621501032 L2324998-02	621501033 L2324998-03	621501034 L2324998-04	621501035 L2324998-05	621501036 L2324998-06	621501037 L2324998-07	621501038 L2324998-08	621501039 L2324998-09	621501040 L2324998-10	621501011, 626772003 L2325009-01
Sample Depth (bgs)		16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.1 U	0.1 U	0.13 U	0.12 U	0.1 U	0.1 U	0.11 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U	**0.74**
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.17 U	0.17 U	0.14 U	0.14 U	0.15 U	0.16 U	0.15 U	0.14 U	0.14 U	0.14 U	**0.75**
Benzo(b)fluoranthene	0.34	0.1 U	0.1 U	0.13 U	0.12 U	0.1 U	0.1 U	0.11 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U	**0.89**
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.17 U	0.17 U	0.14 U	0.14 U	0.15 U	0.16 U	0.15 U	0.14 U	0.14 U	0.14 U	**0.52**
Naphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)														
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)														
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13.7	3.45	4.61	7.53 N	10.2 N	4 N	3.63 N	4.1 N	3.26 N	4.54 N	4.27 N	8.19 N	6.64 N	4.38 N
Barium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	7.4	3.38	4.21	**8.05**	6.03	2.57	2.34	5.35	5.65	6.66	5.03	4.95	5.09	2.84
Titanium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	2.7	0.976	**16.2**	**4.52**	**2.73**	0.638	0.664	1.23	1.27	1.67	1.21	1.46	1.23	1.15
Uranium-235	NA	0.00721 J	0.0379	0.0328	0.0184	0.0048 J	0.00479 J	0.00915 J	0.00941 J	0.0124 J	0.00915 J	0.0106 J	0.0092 J	0.00696 J
Uranium-238	NA	0.969	16.2	4.49	2.71	0.633	0.659	1.22	1.26	1.65	1.2	1.45	1.22	1.14
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name	Record of Decision Cleanup Level	SB-PD-13098	SB-PD-13098	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13099	SB-PD-13100
Sample Name		SB-PD-13098-016-050823	SB-PD-13098-018-050823	SB-PD-13099-001-050523	SB-PD-13099-002-050523	SB-PD-13099-004-050523	SB-PD-13099-006-050523	SB-PD-13099-008-050523	SB-PD-13099-010-050523	SB-PD-13099-012-050523	SB-PD-13099-014-050523	SB-PD-13099-016-050523	SB-PD-13099-018-050523	SB-PD-13100-001-050523
Sample Date		05/08/2023	05/08/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023
Lab Sample ID		621922009 L2325212-09	621922010 L2325212-10	621501031 L2324998-01	621501032 L2324998-02	621501033 L2324998-03	621501034 L2324998-04	621501035 L2324998-05	621501036 L2324998-06	621501037 L2324998-07	621501038 L2324998-08	621501039 L2324998-09	621501040 L2324998-10	621501011, 626772003 L2325009-01
Sample Depth (bgs)		16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)
PCBs (mg/kg)														
Aroclor-1016 (PCB-1016)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	0.993 U/0.691 U
Aroclor-1221 (PCB-1221)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	0.993 U/0.691 U
Aroclor-1232 (PCB-1232)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	0.993 U/0.691 U
Aroclor-1242 (PCB-1242)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	0.993 U/0.691 U
Aroclor-1248 (PCB-1248)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	0.993 U/0.691 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	5.98/8.000
Aroclor-1260 (PCB-1260)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	0.993 U/2.260
Aroclor-1262 (PCB-1262)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	0.993 U/0.691 U
Aroclor-1268 (PCB-1268)	NA	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	0.993 U/0.691 U
Polychlorinated biphenyls (PCBs)	1	0.0504 U	0.0513 U	0.0582 U	0.0589 U	0.048 U	0.0514 U	0.0536 U	0.0543 U	0.0564 U	0.0485 U	0.0496 U	0.0504 U	**5.98/10.300**
Other														
Total Solids (%)	NA	95.3	95	78.3	78.7	95.9	96.6	87.8	84.3	87.2	95.6	94.9	95.6	96.2
Radiological (pCi/g)														
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name	Record of Decision Cleanup Level	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13101
Sample Name		SB-PD-13100-002-050523	SB-PD-13100-004-050523	SB-PD-13100-006-050523	SB-PD-13100-008-050523	SB-PD-13100-010-050523	SB-PD-13100-012-050523	SB-PD-13100-014-050523	SB-PD-13100-016-050523	SB-PD-13100-018-050523	SB-PD-13101-001-050523	SB-PD-13101-002-050523	SB-PD-13101-004-050523	SB-PD-13101-006-050523
Sample Date		05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023
Lab Sample ID		621501012 L2325009-02	621501013 L2325009-03	621501014 L2325009-04	621501015 L2325009-05	621501016 L2325009-06	621501017 L2325009-07	621501018 L2325009-08	621501019 L2325009-09	621501020 L2325009-10	621501021 L2324982-01	621501022 L2324982-02	621501023 L2324982-03	621501024 L2324982-04
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.12 U	0.13 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U
Benzo(a)pyrene	0.22	0.16 U	0.17 U	0.16 U	0.14 U	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U	0.14 U	0.13 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.34	0.12 U	0.13 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.16 U	0.17 U	0.16 U	0.14 U	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U	0.14 U	0.13 U	0.14 U	0.14 U
Naphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)														
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)														
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13.7	8.69 N	7.36 N	6.76 N	3.13 N	6.11 N	4.02 N	5.66 N	5.06 N	2.86 N	3.52 N	2.95 N	5.72 N	6.52 N
Barium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	7.4	6.79	7.19	4.36	2.58	3.46	2.74	3.03	5.46	4.96	2.62	3.59	5.24	3.89
Titanium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	2.7	1.67	1.81	1.15	0.662	0.825	0.735	0.726	1	1.06	0.998	0.692	1.17	1.43
Uranium-235	NA	0.0118 J	0.0128 J	0.00835 J	0.00471 J	0.00607 J	0.00508 J	0.00515 J	0.0075 J	0.0077 J	0.00554 J	0.00496 J	0.00876 J	0.0107 J
Uranium-238	NA	1.66	1.8	1.14	0.658	0.819	0.73	0.721	0.997	1.06	0.992	0.687	1.16	1.42
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name	Record of Decision Cleanup Level	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13100	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13101
Sample Name		SB-PD-13100-002-050523	SB-PD-13100-004-050523	SB-PD-13100-006-050523	SB-PD-13100-008-050523	SB-PD-13100-010-050523	SB-PD-13100-012-050523	SB-PD-13100-014-050523	SB-PD-13100-016-050523	SB-PD-13100-018-050523	SB-PD-13101-001-050523	SB-PD-13101-002-050523	SB-PD-13101-004-050523	SB-PD-13101-006-050523
Sample Date		05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023
Lab Sample ID		621501012 L2325009-02	621501013 L2325009-03	621501014 L2325009-04	621501015 L2325009-05	621501016 L2325009-06	621501017 L2325009-07	621501018 L2325009-08	621501019 L2325009-09	621501020 L2325009-10	621501021 L2324982-01	621501022 L2324982-02	621501023 L2324982-03	621501024 L2324982-04
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)
PCBs (mg/kg)														
Aroclor-1016 (PCB-1016)	NA	0.061 U	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Aroclor-1221 (PCB-1221)	NA	0.061 U	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Aroclor-1232 (PCB-1232)	NA	0.061 U	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Aroclor-1242 (PCB-1242)	NA	0.061 U	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Aroclor-1248 (PCB-1248)	NA	0.061 U	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0623	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Aroclor-1260 (PCB-1260)	NA	0.061 U	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Aroclor-1262 (PCB-1262)	NA	0.061 U	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Aroclor-1268 (PCB-1268)	NA	0.061 U	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Polychlorinated biphenyls (PCBs)	1	0.0623	0.0586 U	0.0603 U	0.0536 U	0.0541 U	0.0514 U	0.0592 U	0.0564 U	0.0556 U	0.0479 U	0.0488 U	0.0514 U	0.0506 U
Other														
Total Solids (%)	NA	78.8	78.2	79.5	90.8	86.9	91.3	83.6	85.1	88.8	96.2	96.5	92.2	93.9
Radiological (pCi/g)														
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name	Record of Decision Cleanup Level	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-13102
Sample Name		SB-PD-13101-008-050523	SB-PD-13101-010-050523	SB-PD-13101-012-050523	SB-PD-13101-014-050523	SB-PD-13101-016-050523	SB-PD-13101-018-050523	SB-PD-13102-001-050523	SB-PD-13102-002-050523	SB-PD-13102-004-050523	SB-PD-13102-006-050523	SB-PD-13102-008-050523	SB-PD-13102-010-050523	SB-PD-13102-012-050523
Sample Date		05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023
Lab Sample ID		621501025 L2324982-05	621501026 L2324982-06	621501027 L2324982-07	621501028 L2324982-08	621501029 L2324982-09	621501030 L2324982-10	621501001, 626772005 L2325006-01	621501002 L2325006-02	621501003, 626772007 L2325006-03	621501004 L2325006-04	621501005 L2325006-05	621501006 L2325006-06	621501007 L2325006-07
Sample Depth (bgs)		8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.037 J	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U
Benzo(a)pyrene	0.22	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.15 U	0.15 U	0.14 U	0.13 U	0.14 U
Benzo(b)fluoranthene	0.34	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.039 J	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.15 U	0.15 U	0.14 U	0.13 U	0.14 U
Naphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)														
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)														
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13.7	9.46 N	5.79 N	6.41 N	3.11 N	3.87 N	2.84 N	6.64 N	4.17 N	3.48 N	5.29 N	10.2 N	2.33 N	2.26 N
Barium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	7.4	4.2	4.06	4.73	4.28	6.62	3.51	4.27	2.76	3.19	3.31	3.72	6.36	2.75
Titanium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	2.7	1.16	1.29	1.66	1.85	**4.33**	0.847	1.77	0.972	0.95	0.733	0.912	0.852	0.667
Uranium-235	NA	0.00877 J	0.00959 J	0.0123 J	0.0131 J	0.0323	0.00637 J	0.0102 J	0.00693 J	0.00674 J	0.00524 J	0.00657 J	0.00611 J	0.00507 J
Uranium-238	NA	1.15	1.28	1.65	1.83	4.3	0.841	1.76	0.965	0.944	0.728	0.905	0.846	0.662
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13												
Location Name	Record of Decision Cleanup Level	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13101	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-13102
Sample Name		SB-PD-13101-008-050523	SB-PD-13101-010-050523	SB-PD-13101-012-050523	SB-PD-13101-014-050523	SB-PD-13101-016-050523	SB-PD-13101-018-050523	SB-PD-13102-001-050523	SB-PD-13102-002-050523	SB-PD-13102-004-050523	SB-PD-13102-006-050523	SB-PD-13102-008-050523	SB-PD-13102-010-050523	SB-PD-13102-012-050523
Sample Date		05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023	05/05/2023
Lab Sample ID		621501025 L2324982-05	621501026 L2324982-06	621501027 L2324982-07	621501028 L2324982-08	621501029 L2324982-09	621501030 L2324982-10	621501001, 626772005 L2325006-01	621501002 L2325006-02	621501003, 626772007 L2325006-03	621501004 L2325006-04	621501005 L2325006-05	621501006 L2325006-06	621501007 L2325006-07
Sample Depth (bgs)		8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	8 - 10 (ft)	10 - 12 (ft)	12 - 14 (ft)
PCBs (mg/kg)														
Aroclor-1016 (PCB-1016)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	0.256 U/0.355 U	0.0514 U	0.0504 U/0.00355 U	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Aroclor-1221 (PCB-1221)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	0.256 U/0.355 U	0.0514 U	0.0504 U/0.00355 U	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Aroclor-1232 (PCB-1232)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	0.256 U/0.355 U	0.0514 U	0.0504 U/0.00355 U	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Aroclor-1242 (PCB-1242)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	0.256 U/0.355 U	0.0514 U	0.0504 U/0.00355 U	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Aroclor-1248 (PCB-1248)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	0.256 U/0.355 U	0.0514 U	0.0504 U/0.00355 U	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	2.38/3.810	0.0514 U	0.693/0.0759	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Aroclor-1260 (PCB-1260)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	0.256 U/0.953	0.0514 U	0.0504 U/0.0157	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Aroclor-1262 (PCB-1262)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	0.256 U/0.355 U	0.0514 U	0.0504 U/0.00355 U	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Aroclor-1268 (PCB-1268)	NA	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	0.256 U/0.355 U	0.0514 U	0.0504 U/0.00355 U	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Polychlorinated biphenyls (PCBs)	1	0.0496 U	0.0512 U	0.0472 U	0.0471 U	0.0483 U	0.0493 U	**2.38/4.770**	0.0514 U	0.693/0.0916	0.0533 U	0.0541 U	0.0484 U	0.0498 U
Other														
Total Solids (%)	NA	93.2	95.9	96.4	97	98.1	97.5	92.6	95.6	90.5	89.6	91.4	97.1	96.6
Radiological (pCi/g)														
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13			AOI 15								
Location Name	Record of Decision Cleanup Level	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-15001	SB-PD-15002	SB-PD-15002	SB-PD-15003	SB-PD-15003	SB-PD-15004	SB-PD-15004	SB-PD-15004	SB-PD-15005
Sample Name		SB-PD-13102-014-050523	SB-PD-13102-016-050523	SB-PD-13102-018-050523	SB-PD-15001-002-120720	SB-PD-15002-001-120720	SB-PD-15002-002-120720	SB-PD-15003-004-120720	SB-PD-15003-004-120720-DUP	SB-PD-15004-002-120720	SB-PD-15004-004-120720	SB-PD-15004-006-120720	SB-PD-15005-002-120720
Sample Date		05/05/2023	05/05/2023	05/05/2023	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020
Lab Sample ID		621501008 L2325006-08	621501009 L2325006-09	621501010 L2325006-10	529399007	529399004	529399009	529399005	529399006	529399011	529399012	529399013	529399002
Sample Depth (bgs)		14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	2 - 4 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	-	-	-	0.0342 U	0.0112 U	0.0112 U	0.0344 U	0.0115 U	0.0346 J	0.0115 U	0.0118 U	0.0104 U
Acenaphthene	NA	-	-	-	0.246	0.0124 J	0.0112 U	0.0344 U	0.0115 U	0.425	0.164	0.0118 U	0.0756
Acenaphthylene	NA	-	-	-	0.0342 U	0.0112 U	0.0112 U	0.0344 U	0.0115 U	0.0325 U	0.0115 U	0.0118 U	0.0104 U
Anthracene	NA	-	-	-	0.441	0.03 J	0.0112 U	0.0344 U	0.0115 U	0.715	0.284	0.0118 U	0.135
Benzo(a)anthracene	0.34	0.11 U	0.11 U	0.1 U	**1.52**	0.145	0.0112 U	0.062 J	0.0211 J	**1.42**	**0.75**	0.0134 J	**0.525**
Benzo(a)pyrene	0.22	0.15 U	0.15 U	0.14 U	**1.42**	0.149	0.0112 U	0.0551 J	0.0153 J	**1.33**	**0.68**	0.0118 U	**0.457**
Benzo(b)fluoranthene	0.34	0.11 U	0.11 U	0.1 U	**1.78**	0.192	0.0112 U	0.0723 J	0.0196 J	**1.59**	**0.784**	0.0118 U	**0.566**
Benzo(g,h,i)perylene	NA	-	-	-	0.804	0.0992	0.0112 U	0.0436 J	0.0123 J	0.709	0.416	0.0118 U	0.251
Benzo(k)fluoranthene	NA	-	-	-	0.672	0.073	0.0112 U	0.0344 U	0.0115 U	0.619	0.289	0.0118 U	0.211
Benzoic acid	NA	-	-	-	0.569 U	0.187 U	0.187 U	0.574 U	0.192 U	0.541 U	0.191 U	0.197 U	0.173 U
bis(2-Ethylhexyl)phthalate	NA	-	-	-	0.0342 U	0.0135 J	0.0112 U	0.0344 U	0.0115 U	0.0325 U	0.0138 J	0.0118 U	0.0104 U
Butyl benzylphthalate (BBP)	NA	-	-	-	0.0342 U	0.0112 U	0.0112 U	0.0344 U	0.0115 U	0.0325 U	0.0115 U	0.0118 U	0.0104 U
Carbazole	NA	-	-	-	0.264	0.0157 J	0.0112 U	0.0344 U	0.0115 U	0.416	0.158	0.0118 U	0.0905
Chrysene	NA	-	-	-	1.3	0.146	0.0112 U	0.0516 J	0.0157 J	1.2	0.638	0.0118 U	0.45
Dibenz(a,h)anthracene	NA	-	-	-	0.182	0.021 J	0.0112 U	0.0344 U	0.0115 U	0.162	0.102	0.0118 U	0.0604
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	-	-	-	0.0342 U	0.0112 U	0.0112 U	0.0344 U	0.0115 U	0.0325 U	0.0115 U	0.0118 U	0.0104 U
Di-n-butylphthalate (DBP)	NA	-	-	-	0.0342 U	0.0161 BJ	0.0138 BJ	0.0344 U	0.0157 BJ	0.0325 U	0.0168 BJ	0.0122 BJ	0.0117 BJ
Di-n-octyl phthalate (DnOP)	NA	-	-	-	0.0342 U	0.0112 U	0.0112 U	0.0344 U	0.0115 U	0.0325 U	0.0115 U	0.0118 U	0.0104 U
Fluoranthene	NA	-	-	-	3.21	0.306	0.0112 U	0.106 J	0.0368 J	3.25	1.39	0.0256 J	1.24
Fluorene	NA	-	-	-	0.211	0.0112 U	0.0112 U	0.0344 U	0.0115 U	0.39	0.141	0.0118 U	0.0621
Indeno(1,2,3-cd)pyrene	0.34	0.15 U	0.15 U	0.14 U	**0.921**	0.111	0.0112 U	0.039 J	0.0119 J	**0.793**	**0.467**	0.0118 U	0.287
Naphthalene	NA	-	-	-	0.0387 J	0.0112 U	0.0112 U	0.0344 U	0.0115 U	0.108	0.0233 J	0.0118 U	0.0104 U
Pentachlorophenol	NA	-	-	-	0.342 U	0.112 U	0.112 U	0.344 U	0.115 U	0.325 U	0.115 U	0.118 U	0.104 U
Phenanthrene	NA	-	-	-	2.03	0.154	0.0112 U	0.0448 J	0.0234 J	2.77	1.23	0.0209 J	0.718
Pyrene	NA	-	-	-	2.79	0.256	0.0112 U	0.101 J	0.0326 J	2.71	1.22	0.0185 J	0.892
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)													
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13.7	5.21 N	4.76 N	3.15 N	7.17 N	7.75 N	6.58 N	6.7 N	6.78 N	5.31 N	6.98 N	6.85 N	4.24 N
Barium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	-	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	7.4	4.26	**14**	4.27	4.95 N	6.27 N	5.67 N	6.8 N	**7.7 N**	4.96 N	6.79 N	6.42 N	4.42 N
Titanium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	2.7	1.97	0.975	0.966	**374**	**130**	1.61	**137**	**103**	**76.9**	**51.2**	1.57	1.74
Uranium-235	NA	0.0128 J	0.00687 J	0.007 J	0.756	0.277	0.0106 J	0.287	0.216	0.162	0.117	0.0108 J	0.00965 J
Uranium-238	NA	1.95	0.968	0.959	373	130	1.6	137	103	76.8	51.1	1.56	1.73
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	-	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 13			AOI 15								
Location Name	Record of Decision Cleanup Level	SB-PD-13102	SB-PD-13102	SB-PD-13102	SB-PD-15001	SB-PD-15002	SB-PD-15002	SB-PD-15003	SB-PD-15003	SB-PD-15004	SB-PD-15004	SB-PD-15004	SB-PD-15005
Sample Name		SB-PD-13102-014-050523	SB-PD-13102-016-050523	SB-PD-13102-018-050523	SB-PD-15001-002-120720	SB-PD-15002-001-120720	SB-PD-15002-002-120720	SB-PD-15003-004-120720	SB-PD-15003-004-120720-DUP	SB-PD-15004-002-120720	SB-PD-15004-004-120720	SB-PD-15004-006-120720	SB-PD-15005-002-120720
Sample Date		05/05/2023	05/05/2023	05/05/2023	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020	12/07/2020
Lab Sample ID		621501008 L2325006-08	621501009 L2325006-09	621501010 L2325006-10	529399007	529399004	529399009	529399005	529399006	529399011	529399012	529399013	529399002
Sample Depth (bgs)		14 - 16 (ft)	16 - 18 (ft)	18 - 20 (ft)	2 - 4 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	4 - 6 (ft)	2 - 4 (ft)	4 - 6 (ft)	6 - 8 (ft)	2 - 4 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.0571 U	0.0515 U	0.0496 U	0.254 U	0.125 U	0.00123 U	0.0323 U	0.00646 U	0.241 U	0.255 U	0.00131 U	0.00114 U
Aroclor-1221 (PCB-1221)	NA	0.0571 U	0.0515 U	0.0496 U	0.254 UJ	0.125 UJ	0.00123 U	0.0323 UJ	0.00646 UJ	0.241 UJ	0.255 UJ	0.00131 U	0.00114 U
Aroclor-1232 (PCB-1232)	NA	0.0571 U	0.0515 U	0.0496 U	0.254 U	0.125 U	0.00123 U	0.0323 U	0.00646 U	0.241 U	0.255 U	0.00131 U	0.00114 U
Aroclor-1242 (PCB-1242)	NA	0.0571 U	0.0515 U	0.0496 U	0.254 U	0.125 U	0.00123 U	0.0323 U	0.00646 U	0.241 U	0.255 U	0.00131 U	0.00114 U
Aroclor-1248 (PCB-1248)	NA	0.0571 U	0.0515 U	0.0496 U	0.254 U	0.125 U	0.00123 U	0.0323 U	0.00646 U	0.241 U	0.255 U	0.00131 U	0.00114 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	-	5.118	3.199	0.0105	0.6717	0.2153	5.676	3.276	0.0016	0.01025
Aroclor-1254 (PCB-1254)	NA	0.078	0.0515 U	0.0496 U	4.45 J	2.72 J	0.0105 J	0.573 J	0.175 J	4.93 J	2.86 J	0.0016 J	0.00789
Aroclor-1260 (PCB-1260)	NA	0.0571 U	0.0515 U	0.0496 U	0.254 UJ	0.125 UJ	0.00123 UJ	0.0323 UJ	0.00646 UJ	0.241 UJ	0.255 UJ	0.00131 UJ	0.00236 J
Aroclor-1262 (PCB-1262)	NA	0.0571 U	0.0515 U	0.0496 U	0.254 U	0.125 U	0.00123 U	0.0323 U	0.00646 U	0.241 U	0.255 U	0.00131 U	0.00114 U
Aroclor-1268 (PCB-1268)	NA	0.0571 U	0.0515 U	0.0496 U	0.254 U	0.125 U	0.00123 U	0.0323 U	0.00646 U	0.241 U	0.255 U	0.00131 U	0.00114 U
Polychlorinated biphenyls (PCBs)	1	0.078	0.0515 U	0.0496 U	**5.12 J**	**3.2 J**	0.0105 J	0.672 J	0.215 J	**5.68 J**	**3.27 J**	0.0016 J	0.0103
Other													
Total Solids (%)	NA	85.2	88.9	96.9	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	**1.63 ± 0.524**	**1.34 ± 0.457**	**0.848 ± 0.393**	**1.15 ± 0.55**	**1.44 ± 0.507**	**1.16 ± 0.464**	**1.01 ± 0.467**	**1.41 ± 0.511**	0.796 ± 0.21
Uranium-233 & 234	NA	-	-	-	19.9 ± 3.39	5.65 ± 1.4	1.06 ± 0.278	6.87 ± 1.96	9.24 ± 3.03	5.3 ± 1.3	3.79 ± 0.862	1.03 ± 0.272	0.646 ± 0.211
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15												
Location Name	Record of Decision Cleanup Level	SB-PD-15005	SB-PD-15006	SB-PD-15008	SB-PD-15008	SB-PD-15008	SB-PD-15009	SB-PD-15009	SB-PD-15009	SB-PD-15010	SB-PD-15010	SB-PD-15010	SB-PD-15011	SB-PD-15011
Sample Name		SB-PD-15005-002-120720-DUP	SB-PD-15006-001-120720	SB-PD-15008-001-040221	SB-PD-15008-002-040221	SB-PD-15008-004-040221	SB-PD-15009-001-040221	SB-PD-15009-002-040221	SB-PD-15009-004-040221	SB-PD-15010-001-040221	SB-PD-15010-002-040221	SB-PD-15010-004-040221	SB-PD-15011-001-040221	SB-PD-15011-002-040221
Sample Date		12/07/2020	12/07/2020	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021
Lab Sample ID		529399003	529399015	539833012	539833013	539833014	539833009	539833010	539833011	539833015	539833016	539833017	539833005	539833006
Sample Depth (bgs)		2 - 4 (ft)	1 - 2 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NA	0.0105 U	0.0112 U	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.0114 UJ	0.0114 UJ	0.0113 UJ	0.0109 UJ	0.011 UJ
Acenaphthene	NA	0.0109 J	0.025 J	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.111 J	0.0356 J	0.0113 UJ	0.0338 J	0.125 J
Acenaphthylene	NA	0.0105 U	0.0112 U	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.0114 UJ	0.0114 UJ	0.0113 UJ	0.0109 UJ	0.011 UJ
Anthracene	NA	0.0211 J	0.0529	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0207 J	0.0524 UJ	0.191 J	0.0713 J	0.0113 UJ	0.0698 J	0.238 J
Benzo(a)anthracene	0.34	0.0558	0.213	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.058 J	0.143 J	**0.568 J**	0.323 J	0.0113 UJ	0.191 J	**0.512 J**
Benzo(a)pyrene	0.22	0.0435	0.214	0.0112 UJ	0.0122 UJ	0.0116 UJ	**0.257 J**	0.0649 J	0.213 J	**0.564 J**	**0.354 J**	0.0113 UJ	0.194 J	**0.493 J**
Benzo(b)fluoranthene	0.34	0.059	0.298	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.191 J	0.0722 J	0.246 J	**0.718 J**	**0.445 J**	0.0113 UJ	0.244 J	**0.669 J**
Benzo(g,h,i)perylene	NA	0.0267 J	0.127	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.025 J	0.0681 J	0.251 J	0.173 J	0.0113 UJ	0.0895 J	0.211 J
Benzo(k)fluoranthene	NA	0.0218 J	0.102	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0261 J	0.0909 J	0.278 J	0.17 J	0.0113 UJ	0.0793 J	0.229 J
Benzoic acid	NA	0.175 U	0.186 U	0.187 UJ	0.204 UJ	0.193 UJ	1.73 UJ	0.181 UJ	0.874 UJ	0.19 UJ	0.19 UJ	0.189 UJ	0.182 UJ	0.184 UJ
bis(2-Ethylhexyl)phthalate	NA	0.0105 U	0.019 J	0.0289 J-	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.0163 J	0.0114 UJ	0.0113 UJ	0.0109 UJ	0.0276 J-
Butyl benzylphthalate (BBP)	NA	0.0105 U	0.0171 J	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.0114 UJ	0.0114 UJ	0.0113 UJ	0.0109 UJ	0.0716 J-
Carbazole	NA	0.0123 J	0.0302 J	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 J	0.0524 UJ	0.109 J	0.0394 J	0.0113 UJ	0.0411 J	0.161 J
Chrysene	NA	0.0453	0.207	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.121 J	0.0537 J	0.166 J	0.531 J	0.314 J	0.0113 UJ	0.164 J	0.45 J
Dibenz(a,h)anthracene	NA	0.0105 U	0.028 J	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.0648 J	0.0402 J	0.0113 UJ	0.0404 J-	0.0724 J-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	0.0105 U	0.0112 U	0.0112 U	0.0122 UJ	0.0116 UJ	0.104 U	0.0109 UJ	0.0524 UJ	0.0114 UJ	0.0114 UJ	0.0113 UJ	0.0109 U	0.011 U
Di-n-butylphthalate (DBP)	NA	0.0123 BJ	0.0112 U	0.0112 U	0.0122 UJ	0.0116 UJ	0.104 U	0.0109 UJ	0.0524 UJ	0.0114 UJ	0.0114 UJ	0.0113 UJ	0.0109 U	0.011 U
Di-n-octyl phthalate (DnOP)	NA	0.0105 U	0.0112 U	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.0114 UJ	0.0114 UJ	0.0113 UJ	0.0109 UJ	0.0331 J
Fluoranthene	NA	0.122	0.465	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.194 J	0.148 J	0.386 J	1.31 J	0.694 J	0.0113 UJ	0.522 J	1.46 J
Fluorene	NA	0.0105 U	0.0212 J	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.0811 J	0.0269 J	0.0113 UJ	0.028 J	0.103 J
Indeno(1,2,3-cd)pyrene	0.34	0.0253 J	0.147	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.229 J	0.0388 J	0.155 J	0.274 J	0.196 J	0.0113 UJ	0.11 J	0.236 J
Naphthalene	NA	0.0105 U	0.0112 U	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0109 UJ	0.0524 UJ	0.0114 UJ	0.0114 UJ	0.0113 UJ	0.0109 UJ	0.0235 J-
Pentachlorophenol	NA	0.105 U	0.112 U	0.112 U	0.122 UJ	0.116 UJ	1.04 U	0.109 UJ	0.524 UJ	0.114 UJ	0.114 UJ	0.113 UJ	0.109 U	0.11 UJ
Phenanthrene	NA	0.0892	0.261	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.104 UJ	0.0972 J	0.262 J	0.904 J	0.326 J	0.0113 UJ	0.303 J	0.958 J
Pyrene	NA	0.093	0.373	0.0112 UJ	0.0122 UJ	0.0116 UJ	0.132 J	0.0983 J	0.264 J	1.09 J	0.618 J	0.0113 UJ	0.327 J	0.921 J
EPH (mg/kg)														
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganic Compounds (mg/kg)														
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13.7	4.47 N	8.23 N	8.73 J	8.87 J	5.88 J	4.42 J	8.73 J	6.16 J	7.69 J	7.33 J	6.03 J	8.66 J	6.21 J
Barium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	7.4	5.33 N	5.26 N	**17.4 J**	**8.83 J**	4.83 J	3.77 J	4.59 J	4.56 J	**8.02 J**	**9.39 J**	6.9 J	**8.89 J**	6.26 J
Titanium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	2.7	1.85	**173**	**9.06**	2.64	**69.5**	**95.3**	**67.5**	**84.9**	**5.13**	**9.77**	1.76	**48.9**	**3.54**
Uranium-235	NA	0.00989 J	0.359	0.0286	0.0163 J	0.15	0.19	0.147	0.174	0.0213	0.0287	0.011 J	0.109	0.0152
Uranium-238	NA	1.84	173	9.03	2.63	69.3	95.1	67.4	84.7	5.11	9.75	1.75	48.8	3.52
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15												
Location Name	Record of Decision Cleanup Level	SB-PD-15005	SB-PD-15006	SB-PD-15008	SB-PD-15008	SB-PD-15008	SB-PD-15009	SB-PD-15009	SB-PD-15009	SB-PD-15010	SB-PD-15010	SB-PD-15010	SB-PD-15011	SB-PD-15011
Sample Name		SB-PD-15005-002-120720-DUP	SB-PD-15006-001-120720	SB-PD-15008-001-040221	SB-PD-15008-002-040221	SB-PD-15008-004-040221	SB-PD-15009-001-040221	SB-PD-15009-002-040221	SB-PD-15009-004-040221	SB-PD-15010-001-040221	SB-PD-15010-002-040221	SB-PD-15010-004-040221	SB-PD-15011-001-040221	SB-PD-15011-002-040221
Sample Date		12/07/2020	12/07/2020	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021
Lab Sample ID		529399003	529399015	539833012	539833013	539833014	539833009	539833010	539833011	539833015	539833016	539833017	539833005	539833006
Sample Depth (bgs)		2 - 4 (ft)	1 - 2 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)	4 - 6 (ft)	1 - 2 (ft)	2 - 4 (ft)
PCBs (mg/kg)														
Aroclor-1016 (PCB-1016)	NA	0.00116 U	0.123 U	0.00126 UJ	0.00137 U	0.00129 U	0.0115 UJ	0.00122 UJ	0.0116 UJ	0.127 UJ	0.0251 UJ	0.00127 UJ	0.121 U	0.122 U
Aroclor-1221 (PCB-1221)	NA	0.00116 U	0.123 UJ	0.00126 UJ	0.00137 U	0.00129 U	0.0115 UJ	0.00122 UJ	0.0116 UJ	0.127 UJ	0.0251 UJ	0.00127 UJ	0.121 U	0.122 U
Aroclor-1232 (PCB-1232)	NA	0.00116 U	0.123 U	0.00126 UJ	0.00137 U	0.00129 U	0.0115 UJ	0.00122 UJ	0.0116 UJ	0.127 UJ	0.0251 UJ	0.00127 UJ	0.121 U	0.122 U
Aroclor-1242 (PCB-1242)	NA	0.00116 U	0.123 U	0.00126 UJ	0.00137 U	0.00129 U	0.0115 UJ	0.00122 UJ	0.0116 UJ	0.127 UJ	0.0251 UJ	0.00127 UJ	0.121 U	0.122 U
Aroclor-1248 (PCB-1248)	NA	0.00116 U	0.123 U	0.00126 UJ	0.00137 U	0.00129 U	0.0115 UJ	0.00122 UJ	0.0116 UJ	0.127 UJ	0.0251 UJ	0.00127 UJ	0.121 U	0.122 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.01062	3.447	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	0.00761	2.85 J	0.00126 UJ	0.00137 U	0.00129 U	0.0239 J-	0.0104 J-	0.0247 J-	4.12 J	0.859 J	0.00127 UJ	13.9	47
Aroclor-1260 (PCB-1260)	NA	0.00301 J	0.123 UJ	0.00126 UJ	0.00137 U	0.00129 U	0.0177 J-	0.0139 J-	0.0116 UJ	0.424 J	0.0937 J	0.00127 UJ	1.45	6.52
Aroclor-1262 (PCB-1262)	NA	0.00116 U	0.123 U	0.00126 UJ	0.00137 U	0.00129 U	0.0115 UJ	0.00122 UJ	0.0116 UJ	0.127 UJ	0.0251 UJ	0.00127 UJ	0.121 U	0.122 U
Aroclor-1268 (PCB-1268)	NA	0.00116 U	0.123 U	0.00126 UJ	0.00137 U	0.00129 U	0.0115 UJ	0.00122 UJ	0.0116 UJ	0.127 UJ	0.0251 UJ	0.00127 UJ	0.121 U	0.122 U
Polychlorinated biphenyls (PCBs)	1	0.0106	**3.45 J**	0.00126 UJ	0.00137 U	0.00129 U	0.0417 J-	0.0242 J-	0.0247 J-	**4.55 J**	0.953 J	0.00127 UJ	**15.4**	**53.5**
Other														
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)														
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	0.741 ± 0.389	**0.995 ± 0.402**	**1.43 J- ± 0.305**	**1.85 J- ± 0.744**	**1.13 ± 0.484**	0.759 J- ± 0.449	0.78 ± 0.374	**0.919 J- ± 0.5**	0.672 ± 0.344	**1.21 J- ± 0.53**	**0.995 ± 0.481**	**0.952 ± 0.239**	**1.37 J- ± 0.588**
Uranium-233 & 234	NA	1.15 ± 0.316	13.6 ± 2.26	1.36 ± 0.299	1.04 ± 0.248	9.06 J- ± 2.1	12 J- ± 3.3	5.83 J- ± 1.24	4.5 J- ± 0.934	1.34 ± 0.299	1.3 ± 0.276	0.953 ± 0.21	2.89 ± 0.552	1.03 ± 0.233
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15												
Location Name	Record of Decision Cleanup Level	SB-PD-15011	SB-PD-15011	SS-PD-15004	SS-PD-15005	SS-PD-15007	SS-RI-15001	SS-RI-15002	SS-RI-15003	SS-RI-15004	SS-RI-15005	SS-RI-15006	SS-RI-15007	SS-RI-15008
Sample Name		SB-PD-15011-002-040221-DUP	SB-PD-15011-004-040221	SS-PD-15004-000-120720	SS-PD-15005-000-120720	SS-PD-15007-000-120720	SSRI15001000-11/9/2004	SSRI15002000-11/9/2004	SSRI15003000-11/9/2004	SSRI15004000-11/9/2004	SSRI15005000-11/9/2004	SSRI15006000-11/9/2004	SSRI15007000-11/9/2004	SSRI15008000-11/9/2004
Sample Date		04/02/2021	04/02/2021	12/07/2020	12/07/2020	12/07/2020	11/09/2004	11/09/2004	11/09/2004	11/09/2004	11/09/2004	11/09/2004	11/09/2004	11/09/2004
Lab Sample ID		539833008	539833007	529399010	529399001	529399014	125259009 125276003	125259010 125276004	125259011 125276005	125259012 125276006	125259013 125276007	125259014 125276008	125259015 125276009	125259016 125276010
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	0 - 1 (ft)	0 - 1 (ft)	0 - 1 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NA	0.011 UJ	0.0111 UJ	0.033 U	0.0344 U	0.0332 U	-	-	-	-	-	-	-	-
Acenaphthene	NA	0.0582 J	0.0337 J	0.033 U	0.0401 J	0.0332 U	-	-	-	-	-	-	-	-
Acenaphthylene	NA	0.011 UJ	0.0111 UJ	0.033 U	0.0344 U	0.0332 U	-	-	-	-	-	-	-	-
Anthracene	NA	0.109 J	0.0581 J	0.043 J	0.155	0.0332 U	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	0.271 J	0.0967 J	0.215	**0.493**	0.042 J	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.22	**0.275 J**	0.107 J	0.206	**0.48**	0.0354 J	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	0.34	**0.364 J**	0.117 J	0.282	**0.644**	0.0642 J	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	NA	0.106 J	0.0407 J	0.131	0.303	0.0443 J	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	0.131 J	0.04 J	0.11	0.24	0.0332 U	-	-	-	-	-	-	-	-
Benzoic acid	NA	0.183 UJ	0.185 UJ	0.551 U	0.573 U	0.553 U	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.011 UJ	0.0111 UJ	0.033 U	0.0355 J	0.0332 U	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	0.115 J-	0.0189 J-	0.054 J	0.0344 U	0.0332 U	-	-	-	-	-	-	-	-
Carbazole	NA	0.0747 J	0.0337 J	0.0385 J	0.0459 J	0.0332 U	-	-	-	-	-	-	-	-
Chrysene	NA	0.23 J	0.0859 J	0.215	0.503	0.0354 J	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	0.0447 J-	0.0111 UJ	0.033 U	0.0665 J	0.0332 U	-	-	-	-	-	-	-	-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	0.011 UJ	0.0111 UJ	0.033 U	0.0344 U	0.0332 U	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.011 UJ	0.0111 UJ	0.0485 BJ	0.0344 U	0.0332 U	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	0.011 UJ	0.0111 UJ	0.033 U	0.0344 U	0.0332 U	-	-	-	-	-	-	-	-
Fluoranthene	NA	0.764 J	0.286 J	0.496	1.08	0.0719 J	-	-	-	-	-	-	-	-
Fluorene	NA	0.0491 J	0.03 J	0.033 U	0.0436 J	0.0332 U	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	0.135 J	0.0567 J	0.133	**0.348**	0.0332 J	-	-	-	-	-	-	-	-
Naphthalene	NA	0.011 UJ	0.0122 J-	0.033 U	0.0344 U	0.0332 U	-	-	-	-	-	-	-	-
Pentachlorophenol	NA	0.11 UJ	0.111 UJ	0.33 U	0.344 U	0.332 U	-	-	-	-	-	-	-	-
Phenanthrene	NA	0.476 J	0.229 J	0.311	0.689	0.0398 J	-	-	-	-	-	-	-	-
Pyrene	NA	0.493 J	0.184 J	0.403	0.943	0.0631 J	-	-	-	-	-	-	-	-
EPH (mg/kg)														
C10-C22 Aromatic Hydrocarbons	NA	-	-	-	-	-	45.7	22.4 U	17.8 U	18.9 U	17.7 U	17.9 U	17.9 U	18 U
C19-C36 Aliphatic Hydrocarbons	NA	-	-	-	-	-	3.85	3.88	8.4 U	8.14 U	8.31 U	8.43 U	8.4 U	8.45 U
C9-C18 Aliphatic Hydrocarbons	NA	-	-	-	-	-	6.27 U	6.34 U	2.84	6.1 U	3.84	3.15	4.36	3.27
Inorganic Compounds (mg/kg)														
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13.7	11.2 J	5.54 J	8.33 N	9.43 N	7.12 N	-	-	-	-	-	-	-	-
Barium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	7.4	6.85 J	5.56 J	3.28 N	3.68 N	3.53 N	-	-	-	-	-	-	-	-
Titanium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	2.7	**3.96**	**6.72**	**136**	**421**	**32.9**	-	-	-	-	-	-	-	-
Uranium-235	NA	0.0168	0.0209	0.3	0.863	0.0811	-	-	-	-	-	-	-	-
Uranium-238	NA	3.94	6.7	135	420	32.8	-	-	-	-	-	-	-	-
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15												
Location Name	Record of Decision Cleanup Level	SB-PD-15011	SB-PD-15011	SS-PD-15004	SS-PD-15005	SS-PD-15007	SS-RI-15001	SS-RI-15002	SS-RI-15003	SS-RI-15004	SS-RI-15005	SS-RI-15006	SS-RI-15007	SS-RI-15008
Sample Name		SB-PD-15011-002-040221-DUP	SB-PD-15011-004-040221	SS-PD-15004-000-120720	SS-PD-15005-000-120720	SS-PD-15007-000-120720	SSRI15001000-11/9/2004	SSRI15002000-11/9/2004	SSRI15003000-11/9/2004	SSRI15004000-11/9/2004	SSRI15005000-11/9/2004	SSRI15006000-11/9/2004	SSRI15007000-11/9/2004	SSRI15008000-11/9/2004
Sample Date		04/02/2021	04/02/2021	12/07/2020	12/07/2020	12/07/2020	11/09/2004	11/09/2004	11/09/2004	11/09/2004	11/09/2004	11/09/2004	11/09/2004	11/09/2004
Lab Sample ID		539833008	539833007	529399010	529399001	529399014	125259009 125276003	125259010 125276004	125259011 125276005	125259012 125276006	125259013 125276007	125259014 125276008	125259015 125276009	125259016 125276010
Sample Depth (bgs)		2 - 4 (ft)	4 - 6 (ft)	0 - 1 (ft)	0 - 1 (ft)	0 - 1 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)
PCBs (mg/kg)														
Aroclor-1016 (PCB-1016)	NA	0.124 U	0.123 UJ	0.245 U	0.127 U	0.123 U	0.0176 U	0.0035 U	0.0035 U	0.0034 U	0.0034 U	0.0035 U	0.0035 U	0.0035 U
Aroclor-1221 (PCB-1221)	NA	0.124 U	0.123 UJ	0.245 UJ	0.127 UJ	0.123 UJ	0.0176 U	0.0035 U	0.0035 U	0.0034 U	0.0034 U	0.0035 U	0.0035 U	0.0035 U
Aroclor-1232 (PCB-1232)	NA	0.124 U	0.123 UJ	0.245 U	0.127 U	0.123 U	0.0176 U	0.0035 U	0.0035 U	0.0034 U	0.0034 U	0.0035 U	0.0035 U	0.0035 U
Aroclor-1242 (PCB-1242)	NA	0.124 U	0.123 UJ	0.245 U	0.127 U	0.123 U	0.0176 U	0.0035 U	0.0035 U	0.0034 U	0.0034 U	0.0035 U	0.0035 U	0.0035 U
Aroclor-1248 (PCB-1248)	NA	0.124 U	0.123 UJ	0.245 U	0.127 U	0.123 U	0.0176 U	0.0035 U	0.0035 U	0.0034 U	0.0034 U	0.0035 U	0.0035 U	0.0035 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	-	-	4.909	3.501	3.191	0.1966	0.009	0.0044	0.0022	0.0243	0.0151	0.0034	0.0283
Aroclor-1254 (PCB-1254)	NA	70	3.93 J	3.97 J	2.91 J	2.63 J	0.157	0.0048	0.0035 U	0.0034 U	0.0102	0.0037	0.0035 U	0.0093
Aroclor-1260 (PCB-1260)	NA	10.3	0.392 J	0.245 UJ	0.127 UJ	0.123 UJ	0.0396	0.0042	0.0044	0.0022	0.0141	0.0114	0.0034	0.019
Aroclor-1262 (PCB-1262)	NA	0.124 U	0.123 UJ	0.245 U	0.127 U	0.123 U	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	0.124 U	0.123 UJ	0.245 U	0.127 U	0.123 U	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	**80.3**	**4.32 J**	**4.9 J**	**3.5 J**	**3.19 J**	0.1966	0.009	0.0044	0.0022	0.0243	0.0151	0.0034	0.0283
Other														
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)														
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	0.657 J- ± 0.397	**1.08 J- ± 0.554**	**0.846 ± 0.355**	**1.19 ± 0.369**	**0.829 ± 0.332**	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	0.638 ± 0.182	1.67 J- ± 0.423	13.4 ± 4.03	27 ± 4.79	2.79 ± 0.579	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15												
Location Name	Record of Decision Cleanup Level	SS-RI-15009	SS-RI-15010	SS-RI-15011	SS-RI-15011	SS-RI-15012	SS-RI-15013	SS-RI-15014	SS-RI-15015	SS-RI-15016	SS-RI-15017	SS-RI-15018	SS-RI-15019	SS-RI-15019
Sample Name		SSRI15009000-11/9/2004	SSRI15010000-11/9/2004	SSRI15011000-11/9/2004	SSRI15011002-11/17/2004	SSRI15012000-11/9/2004	SSRI15013000-11/8/2004	SSRI15014000-11/8/2004	SSRI15015000-11/8/2004	SSRI15016000-11/8/2004	SSRI15017000-11/8/2004	SSRI15018000-11/8/2004	SSRI15019000-11/9/2004	SSRI15019002-11/17/2004
Sample Date		11/09/2004	11/09/2004	11/09/2004	11/17/2004	11/09/2004	11/08/2004	11/08/2004	11/08/2004	11/08/2004	11/08/2004	11/08/2004	11/09/2004	11/17/2004
Lab Sample ID		125259017 125276011	125259018 125276012	125259019 125276013	125839013 125966010	125259020 125276014	125165013 125168001	125165014 125168002	125165015 125168003	125165016 125168004	125165017 125168005	125165018 125168006	125252006 125277001	125839014 125966011
Sample Depth (bgs)		0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	2 - 3 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	2 - 3 (ft)
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)														
C10-C22 Aromatic Hydrocarbons	NA	17.9 U	17.9 U	17.9 U	17.6 U	18 U	18.2 U	4.59	4.91	6.84	18.3 U	4.06	6.25	18.4 U
C19-C36 Aliphatic Hydrocarbons	NA	8.41 U	8.44 U	8.42 U	8.26 U	8.46 U	8.56 UJ	8.46 UJ	8.69 UJ	8.55 UJ	8.61 UJ	8.59 UJ	6.3	8.64 U
C9-C18 Aliphatic Hydrocarbons	NA	4.08	3.36	6.31 U	6.2 U	4.48	6.74 U	6.34 U	6.51 U	6.42 U	6.45 U	6.44 U	3.08	6.48 U
Inorganic Compounds (mg/kg)														
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	13.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15												
Location Name	Record of Decision Cleanup Level	SS-RI-15009	SS-RI-15010	SS-RI-15011	SS-RI-15011	SS-RI-15012	SS-RI-15013	SS-RI-15014	SS-RI-15015	SS-RI-15016	SS-RI-15017	SS-RI-15018	SS-RI-15019	SS-RI-15019
Sample Name		SSRI15009000-11/9/2004	SSRI15010000-11/9/2004	SSRI15011000-11/9/2004	SSRI15011002-11/17/2004	SSRI15012000-11/9/2004	SSRI15013000-11/8/2004	SSRI15014000-11/8/2004	SSRI15015000-11/8/2004	SSRI15016000-11/8/2004	SSRI15017000-11/8/2004	SSRI15018000-11/8/2004	SSRI15019000-11/9/2004	SSRI15019002-11/17/2004
Sample Date		11/09/2004	11/09/2004	11/09/2004	11/17/2004	11/09/2004	11/08/2004	11/08/2004	11/08/2004	11/08/2004	11/08/2004	11/08/2004	11/09/2004	11/17/2004
		125259017	125259018	125259019	125839013	125259020	125165013	125165014	125165015	125165016	125165017	125165018	125252006	125839014
Lab Sample ID		125276011	125276012	125276013	125966010	125276014	125168001	125168002	125168003	125168004	125168005	125168006	125277001	125966011
Sample Depth (bgs)		0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	2 - 3 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	2 - 3 (ft)
PCBs (mg/kg)														
Aroclor-1016 (PCB-1016)	NA	0.0035 U	0.0035 U	0.0035 U	0.00345 U	0.0035 U	0.00355 U	0.0354 U	0.00357 U	0.0357 U	0.0357 U	0.00352 U	0.0345 U	0.0179 U
Aroclor-1221 (PCB-1221)	NA	0.0035 U	0.0035 U	0.0035 U	0.00345 U	0.0035 U	0.00355 U	0.0354 U	0.00357 U	0.0357 U	0.0357 U	0.00352 U	0.0345 U	0.0179 U
Aroclor-1232 (PCB-1232)	NA	0.0035 U	0.0035 U	0.0035 U	0.00345 U	0.0035 U	0.00355 U	0.0354 U	0.00357 U	0.0357 U	0.0357 U	0.00352 U	0.0345 U	0.0179 U
Aroclor-1242 (PCB-1242)	NA	0.0035 U	0.0035 U	0.0035 U	0.00345 U	0.0035 U	0.00355 U	0.0354 U	0.00357 U	0.0357 U	0.0357 U	0.00352 U	0.0345 U	0.0179 U
Aroclor-1248 (PCB-1248)	NA	0.0035 U	0.0035 U	0.0035 U	0.00345 U	0.0035 U	0.00355 U	0.0354 U	0.00357 U	0.0357 U	0.0357 U	0.00352 U	0.0345 U	0.0179 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.065	0.0044	0.0217	0.0068 U	0.0074	0.029	0.0263	0.0203	0.129	0.0253	0.0656	0.658	0.2916
Aroclor-1254 (PCB-1254)	NA	0.0444	0.0035 U	0.0064	0.00345 U	0.0012	0.0111	0.0354 U	0.0047	0.0476	0.0357 U	0.02	0.357	0.243
Aroclor-1260 (PCB-1260)	NA	0.0206	0.0044	0.0153	0.00345 U	0.0062	0.0179	0.0263	0.0156	0.0814	0.0253	0.0456	0.301	0.0486
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	0.065	0.0044	0.0217	0.00345 U	0.0074	0.029	0.0263	0.0203	0.129	0.0253	0.0656	0.658	0.2916
Other														
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)														
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15											
Location Name	Record of Decision Cleanup Level	SS-RI-15020	SS-RI-15021	SS-RI-15021	SS-RI-15022	SS-RI-15022	SS-RI-15023	SS-RI-15024	SS-RI-15025	SS-RI-15026	SS-RI-15027	SS-RI-15028	SS-RI-15029
Sample Name		SSRI15020000-11/9/2004	SSRI15021000-11/9/2004	SSRI15021002-11/17/2004	SSRI15022000-11/9/2004	SSRI15022002-11/17/2004	SSRI15023000-11/9/2004	SSRI15024000-11/9/2004	SSRI15025000-11/17/2004	SSRI15026000-11/17/2004	SSRI15027000-11/17/2004	SSRI15028000-11/17/2004	SSRI15029000-11/17/2004
Sample Date		11/09/2004	11/09/2004	11/17/2004	11/09/2004	11/17/2004	11/09/2004	11/09/2004	11/17/2004	11/17/2004	11/17/2004	11/17/2004	11/17/2004
		125252007	125252008	125839015	125259001	125839016	125252009	125252010	125839007	125839008	125839009	125839017	125839010
Lab Sample ID		125277002	125277003	125966012	125276001	125966013	125277004	125277005	125966003	125966004	125966005	125966006	125966007
Sample Depth (bgs)		0 - 0.5 (ft)	0 - 0.5 (ft)	2 - 3 (ft)	0 - 0.5 (ft)	2 - 3 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	NA	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NA	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.34	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.22	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	0.34	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NA	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.34	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	NA	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	-	-	-	-	-	-	-	-	-	-	-	-
EPH (mg/kg)													
C10-C22 Aromatic Hydrocarbons	NA	5.93	67.2	19.3 U	19.1 U	18.7 U	11.9	14.8	17.8 U	17.7 U	24 U	43.5	23 U
C19-C36 Aliphatic Hydrocarbons	NA	6.31	29.8	9.1 U	8.99 U	8.82 U	7.23	7.6	8.37 U	8.33 U	9.32 U	9.38 U	10.8 U
C9-C18 Aliphatic Hydrocarbons	NA	6.62 U	3.43	6.82 U	3.42	6.61 U	6.77 U	4.99	6.28 U	6.25 U	6.99 U	7.04 U	8.11 U
Inorganic Compounds (mg/kg)													
Aluminum	NA	-	-	-	-	-	-	-	-	-	-	8700	-
Antimony	NA	-	-	-	-	-	-	-	-	-	-	0.15 U	-
Arsenic	13.7	-	-	-	-	-	-	-	-	-	-	10.2	-
Barium	NA	-	-	-	-	-	-	-	-	-	-	51.3	-
Beryllium	NA	-	-	-	-	-	-	-	-	-	-	0.64	-
Cadmium	NA	-	-	-	-	-	-	-	-	-	-	0.68	-
Calcium	NA	-	-	-	-	-	-	-	-	-	-	1860	-
Chromium	NA	-	-	-	-	-	-	-	-	-	-	22.2	-
Cobalt	NA	-	-	-	-	-	-	-	-	-	-	4.9	-
Copper	NA	-	-	-	-	-	-	-	-	-	-	114	-
Iron	NA	-	-	-	-	-	-	-	-	-	-	12200	-
Lead	NA	-	-	-	-	-	-	-	-	-	-	44.3	-
Magnesium	NA	-	-	-	-	-	-	-	-	-	-	3160	-
Manganese	NA	-	-	-	-	-	-	-	-	-	-	153	-
Mercury	NA	-	-	-	-	-	-	-	-	-	-	0.039	-
Molybdenum	NA	-	-	-	-	-	-	-	-	-	-	3.7	-
Nickel	NA	-	-	-	-	-	-	-	-	-	-	17.9	-
Potassium	NA	-	-	-	-	-	-	-	-	-	-	1220	-
Selenium	NA	-	-	-	-	-	-	-	-	-	-	1.3	-
Silver	NA	-	-	-	-	-	-	-	-	-	-	0.079	-
Sodium	NA	-	-	-	-	-	-	-	-	-	-	100	-
Thallium	NA	-	-	-	-	-	-	-	-	-	-	0.11	-
Thorium	7.4	-	-	-	-	-	-	-	-	-	-	4.3	-
Titanium	NA	-	-	-	-	-	-	-	-	-	-	442	-
Tungsten	NA	-	-	-	-	-	-	-	-	-	-	1.4	-
Uranium	2.7	-	-	-	-	-	-	-	-	-	-	**5070**	-
Uranium-235	NA	-	-	-	-	-	-	-	-	-	-	11.2	-
Uranium-238	NA	-	-	-	-	-	-	-	-	-	-	5060	-
Vanadium	NA	-	-	-	-	-	-	-	-	-	-	18.1	-
Zinc	NA	-	-	-	-	-	-	-	-	-	-	1930	-
Zirconium	NA	-	-	-	-	-	-	-	-	-	-	3.9	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15											
Location Name	Record of Decision Cleanup Level	SS-RI-15020	SS-RI-15021	SS-RI-15021	SS-RI-15022	SS-RI-15022	SS-RI-15023	SS-RI-15024	SS-RI-15025	SS-RI-15026	SS-RI-15027	SS-RI-15028	SS-RI-15029
Sample Name		SSRI15020000-11/9/2004	SSRI15021000-11/9/2004	SSRI15021002-11/17/2004	SSRI15022000-11/9/2004	SSRI15022002-11/17/2004	SSRI15023000-11/9/2004	SSRI15024000-11/9/2004	SSRI15025000-11/17/2004	SSRI15026000-11/17/2004	SSRI15027000-11/17/2004	SSRI15028000-11/17/2004	SSRI15029000-11/17/2004
Sample Date		11/09/2004	11/09/2004	11/17/2004	11/09/2004	11/17/2004	11/09/2004	11/09/2004	11/17/2004	11/17/2004	11/17/2004	11/17/2004	11/17/2004
Lab Sample ID		125252007 125277002	125252008 125277003	125839015 125966012	125259001 125276001	125839016 125966013	125252009 125277004	125252010 125277005	125839007 125966003	125839008 125966004	125839009 125966005	125839017 125966006	125839010 125966007
Sample Depth (bgs)		0 - 0.5 (ft)	0 - 0.5 (ft)	2 - 3 (ft)	0 - 0.5 (ft)	2 - 3 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)	0 - 0.5 (ft)
PCBs (mg/kg)													
Aroclor-1016 (PCB-1016)	NA	0.00364 U	0.0393 U	0.00373 U	0.0189 U	0.0185 UJ	0.00367 U	0.0177 U	0.00347 U	0.0343 U	0.00444 U	0.0392 U	0.387 U
Aroclor-1221 (PCB-1221)	NA	0.00364 U	0.0393 U	0.00373 U	0.0189 U	0.0185 UJ	0.00367 U	0.0177 U	0.00347 U	0.0343 U	0.00444 U	0.0392 U	0.387 U
Aroclor-1232 (PCB-1232)	NA	0.00364 U	0.0393 U	0.00373 U	0.0189 U	0.0185 UJ	0.00367 U	0.0177 U	0.00347 U	0.0343 U	0.00444 U	0.0392 U	0.387 U
Aroclor-1242 (PCB-1242)	NA	0.00364 U	0.0393 U	0.00373 U	0.0189 U	0.0185 UJ	0.00367 U	0.0177 U	0.00347 U	0.0343 U	0.00444 U	0.0392 U	0.387 U
Aroclor-1248 (PCB-1248)	NA	0.00364 U	0.0393 U	0.00373 U	0.0189 U	0.0185 UJ	0.00367 U	0.0177 U	0.00347 U	0.0343 U	0.00444 U	0.0392 U	0.387 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.0566	0.966	0.0783	0.444	0.2345	0.0616	0.1124	0.0101	0.0387	0.0514	0.944	10.85
Aroclor-1254 (PCB-1254)	NA	0.0119	0.75	0.0565	0.331	0.184	0.0202	0.0781	0.004	0.0127	0.0409	0.818	9.07
Aroclor-1260 (PCB-1260)	NA	0.0447	0.216	0.0218	0.113	0.0505	0.0414	0.0343	0.0061	0.026	0.0105	0.126	1.78
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	0.0566	0.966	0.0783	0.444	0.2345	0.0616	0.1124	0.0101	0.0387	0.0514	0.944	**10.85**
Other													
Total Solids (%)	NA	-	-	-	-	-	-	-	-	-	-	-	-
Radiological (pCi/g)													
Thorium-228	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-230	NA	-	-	-	-	-	-	-	-	-	-	-	-
Thorium-232	0.81	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-233 & 234	NA	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-234	0.15	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-235	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Uranium-238	0.90	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15	
Location Name	Record of Decision Cleanup Level	SS-RI-15030	SS-RI-15031
Sample Name		SSRI15030000-11/17/2004	SSRI15031000-11/17/2004
Sample Date		11/17/2004	11/17/2004
Lab Sample ID		125839011 125966008	125839012 125966009
Sample Depth (bgs)		0 - 1 (ft)	0 - 1 (ft)
Volatile Organic Compounds (mg/kg)			
1,1,1-Trichloroethane	NA	-	-
1,1-Dichloroethene	NA	-	-
Acetone	NA	-	-
Tetrachloroethene	NA	-	-
Trichloroethene	NA	-	-
Semi-Volatile Organic Compounds (mg/kg)			
2-Methylnaphthalene	NA	-	-
Acenaphthene	NA	-	-
Acenaphthylene	NA	-	-
Anthracene	NA	-	-
Benzo(a)anthracene	0.34	-	-
Benzo(a)pyrene	0.22	-	-
Benzo(b)fluoranthene	0.34	-	-
Benzo(g,h,i)perylene	NA	-	-
Benzo(k)fluoranthene	NA	-	-
Benzoic acid	NA	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-
Butyl benzylphthalate (BBP)	NA	-	-
Carbazole	NA	-	-
Chrysene	NA	-	-
Dibenz(a,h)anthracene	NA	-	-
Dibenzofuran	NA	-	-
Diethyl phthalate	NA	-	-
Di-n-butylphthalate (DBP)	NA	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-
Fluoranthene	NA	-	-
Fluorene	NA	-	-
Indeno(1,2,3-cd)pyrene	0.34	-	-
Naphthalene	NA	-	-
Pentachlorophenol	NA	-	-
Phenanthrene	NA	-	-
Pyrene	NA	-	-
EPH (mg/kg)			
C10-C22 Aromatic Hydrocarbons	NA	22.8 UJ	18.3 U
C19-C36 Aliphatic Hydrocarbons	NA	10.7 U	8.59 U
C9-C18 Aliphatic Hydrocarbons	NA	8.06 U	6.44 U
Inorganic Compounds (mg/kg)			
Aluminum	NA	-	-
Antimony	NA	-	-
Arsenic	13.7	-	-
Barium	NA	-	-
Beryllium	NA	-	-
Cadmium	NA	-	-
Calcium	NA	-	-
Chromium	NA	-	-
Cobalt	NA	-	-
Copper	NA	-	-
Iron	NA	-	-
Lead	NA	-	-
Magnesium	NA	-	-
Manganese	NA	-	-
Mercury	NA	-	-
Molybdenum	NA	-	-
Nickel	NA	-	-
Potassium	NA	-	-
Selenium	NA	-	-
Silver	NA	-	-
Sodium	NA	-	-
Thallium	NA	-	-
Thorium	7.4	-	-
Titanium	NA	-	-
Tungsten	NA	-	-
Uranium	2.7	-	-
Uranium-235	NA	-	-
Uranium-238	NA	-	-
Vanadium	NA	-	-
Zinc	NA	-	-
Zirconium	NA	-	-

TABLE II
SUMMARY OF ANALYTICAL RESULTS - COURTYARD
NUCLEAR METALS, INC.
CONCORD, MASSACHUSETTS

Location Group	Action Level	AOI 15	
Location Name	Record of Decision Cleanup Level	SS-RI-15030	SS-RI-15031
Sample Name		SSRI15030000-11/17/2004	SSRI15031000-11/17/2004
Sample Date		11/17/2004	11/17/2004
Lab Sample ID		125839011 125966008	125839012 125966009
Sample Depth (bgs)		0 - 1 (ft)	0 - 1 (ft)
PCBs (mg/kg)			
Aroclor-1016 (PCB-1016)	NA	0.00431 U	0.0369 U
Aroclor-1221 (PCB-1221)	NA	0.00431 U	0.0369 U
Aroclor-1232 (PCB-1232)	NA	0.00431 U	0.0369 U
Aroclor-1242 (PCB-1242)	NA	0.00431 U	0.0369 U
Aroclor-1248 (PCB-1248)	NA	0.00431 U	0.0369 U
Aroclor-1254/1260 (PCB-1254/1260)	NA	0.1649	0.1608
Aroclor-1254 (PCB-1254)	NA	0.114	0.0388
Aroclor-1260 (PCB-1260)	NA	0.0509	0.122
Aroclor-1262 (PCB-1262)	NA	-	-
Aroclor-1268 (PCB-1268)	NA	-	-
Polychlorinated biphenyls (PCBs)	1	0.1649	0.1608
Other			
Total Solids (%)	NA	-	-
Radiological (pCi/g)			
Thorium-228	NA	-	-
Thorium-230	NA	-	-
Thorium-232	0.81	-	-
Uranium-233 & 234	NA	-	-
Uranium-234	0.15	-	-
Uranium-235	0.01	-	-
Uranium-238	0.90	-	-

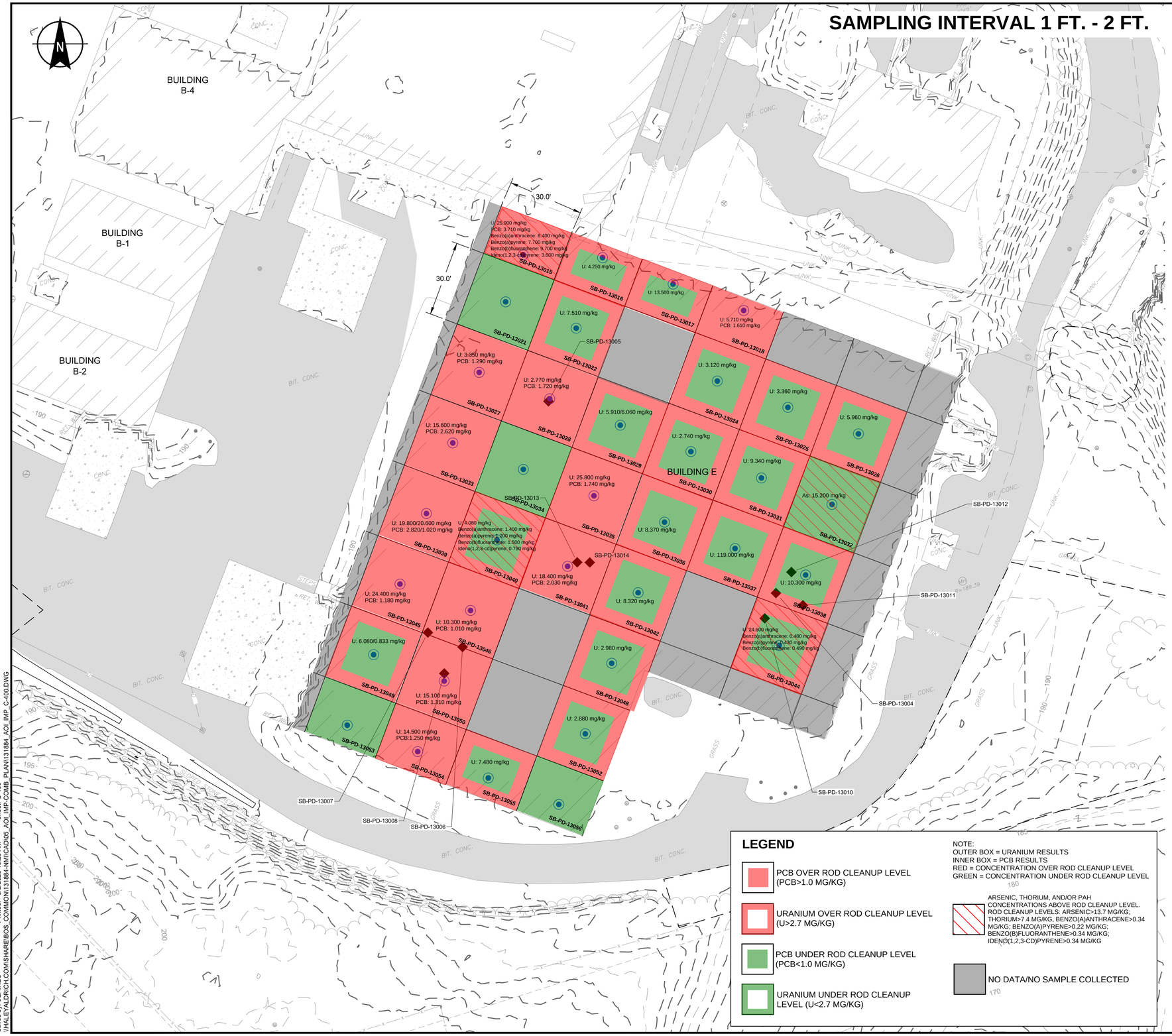
Notes and Abbreviations:

-: Not Analyzed
bgs: below ground surface
ft: feet
mg/kg: milligram per kilogram
NA: Not Applicable
U: Not detected, value is the laboratory reporting limit
**: QC recovery is outside of specified acceptance criteria*
B: Analyte detected in the sample and the associated blank
H: Holding time exceeded
J: Value is estimated
J-: Value is estimated with a potential low bias
N: Matrix spike sample recovery is not within specified control limits
R: Value is rejected

- ***Bold*** *values indicate an exceedance of the Record of Decision cleanup levels*
- *XRF spectrometer uranium screening results were detected below 28 mg/kg in 2023 Courtyard pre-characterization samples*

FIGURES

SAMPLING INTERVAL 1 FT. - 2 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. FOR SURVEY AND ELEVATION NOTES SEE SURVEY NOTES PROVIDED BY HALEY & ALDRICH LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
Date:	MAY 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
ENABLING PHASE REMEDIAL ACTIVITIES
MEMO ADDENDUM
SOIL PRE-CHARACTERIZATION ACTIVITIES - BUILDING E AND BUILDING E AREA
ENABLING PHASE 100% REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

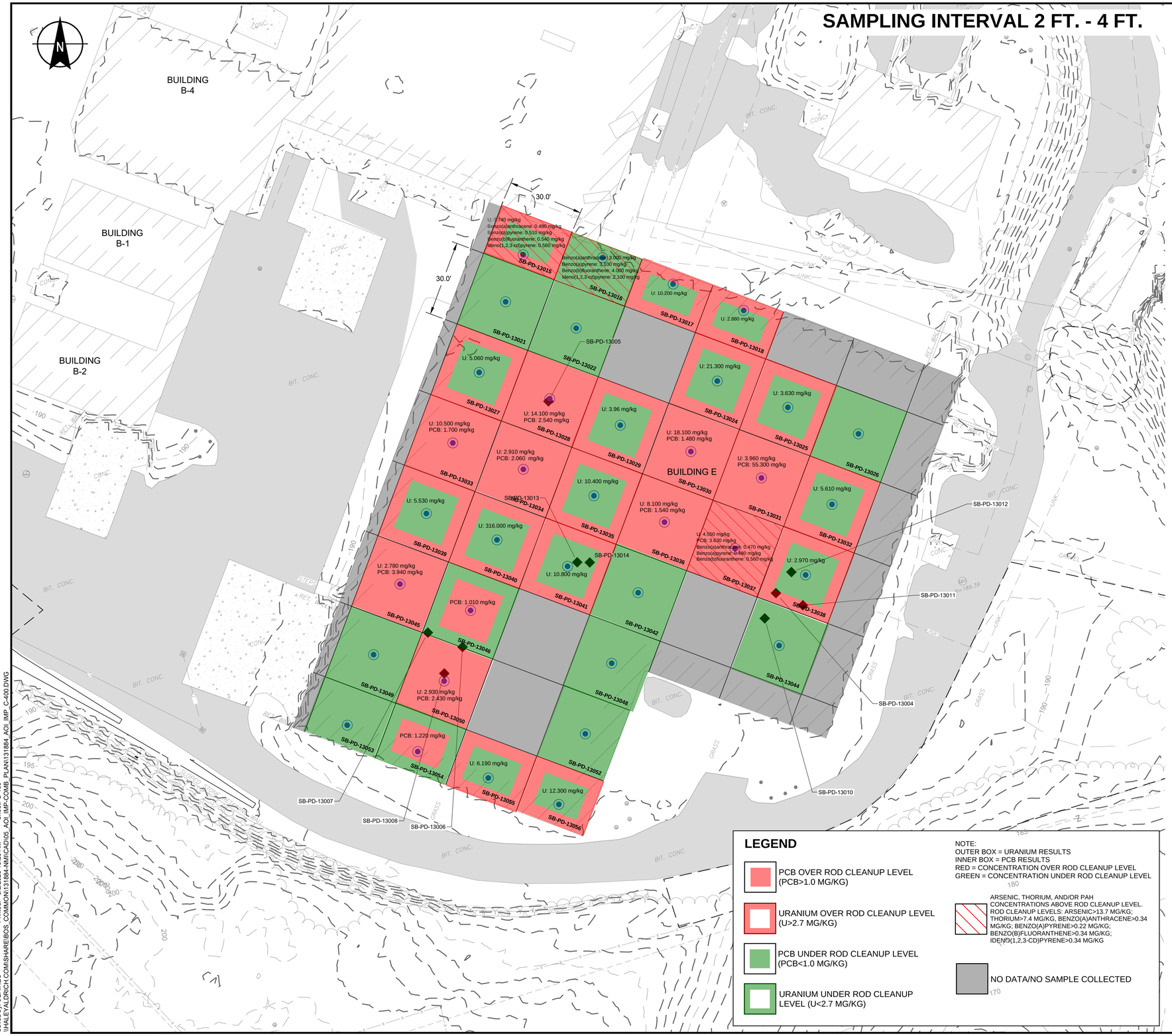
ENABLING PHASE
PRE-CHARACTERIZATION ACTIVITIES -
DATA PLAN - BUILDING E
BUILDING E AREA

C-400

Sheet: 15 of 20

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Sheet: C-400
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SAMPLING INTERVAL 2 FT. - 4 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG
- NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. THE SURVEY AND ELEVATION DATA SHOWN HEREON WERE PROVIDED BY [illegible] LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
Date:	MAY 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
ENABLING PHASE REMEDIAL ACTIVITIES
ENABLING PHASE 100%
REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

ENABLING PHASE
PRE-CHARACTERIZATION
DATA PLAN - BUILDING E
BUILDING E AREA

C-400

Sheet: 25 of 101

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\\HALEYALDRICH.COM\SHARE\BOS_COMMON\131884-NMI\CAD\05_AOI_IMP-COMB_PLAN\131884_AOI_IMP_C-400.DWG
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Sheet: C-400

SAMPLING INTERVAL 4 FT. - 6 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. FOR SURVEY AND DATUM NOTES, SEE SURVEY CONTROL PLAN PREPARED BY THE CIVIL AND LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
Date:	MAY 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
ENABLING PHASE REMEDIAL ACTIVITIES
SOIL PRE-CHARACTERIZATION MEMO ADDENDUM
BUILDING E AND ENABLING PHASE 100% REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

ENABLING PHASE PRE-CHARACTERIZATION ACTIVITIES DATA PLAN - BUILDING E BUILDING E AREA

C-400

Sheet: 15 of 20

Sheet: C-400
Printed: 5/2/2023 10:25 AM
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\\HALEYALDRICH.COM\SHARE\BOS_COMMON\131884-NM\CAD\05_AOI_IMP-COMB_PLAN\131884_AOI_IMP_C-400.DWG

SAMPLING INTERVAL 6 FT. - 8 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG
- NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. THE BASEMAP AERIAL IMAGE IS FROM A SURVEY OVER PROVIDED BY EL-DEB LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY ALDRICH

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ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
Date:	MAY 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
SOIL REMEDIATION
BUILDING E AND
ENABLING PHASE
REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

ENABLING PHASE
PRE-CHARACTERIZATION
DATA PLAN - BUILDING E
BUILDING E AREA

C-400

Sheet: 15 of 20

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\\HALEYALDRICH.COM\SHARE\BOS_COMMON\131884-NMI\CAD\05_AOI_IMP-COMB_PLAN\131884_AOI_IMP_C-400.DWG

SAMPLING INTERVAL 8 FT. - 10 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG
- NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. THE SURVEY AND ELEVATIONS SHOWN HEREON WERE PROVIDED BY [illegible] OF [illegible] LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY ALDRICH

HALEY & ALDRICH, INC.
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ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
Date:	MAY 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
SOLE TRANSMITTAL FOR INFORMATION
MEMO AGENCY
ENABLING PHASE 100%
REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

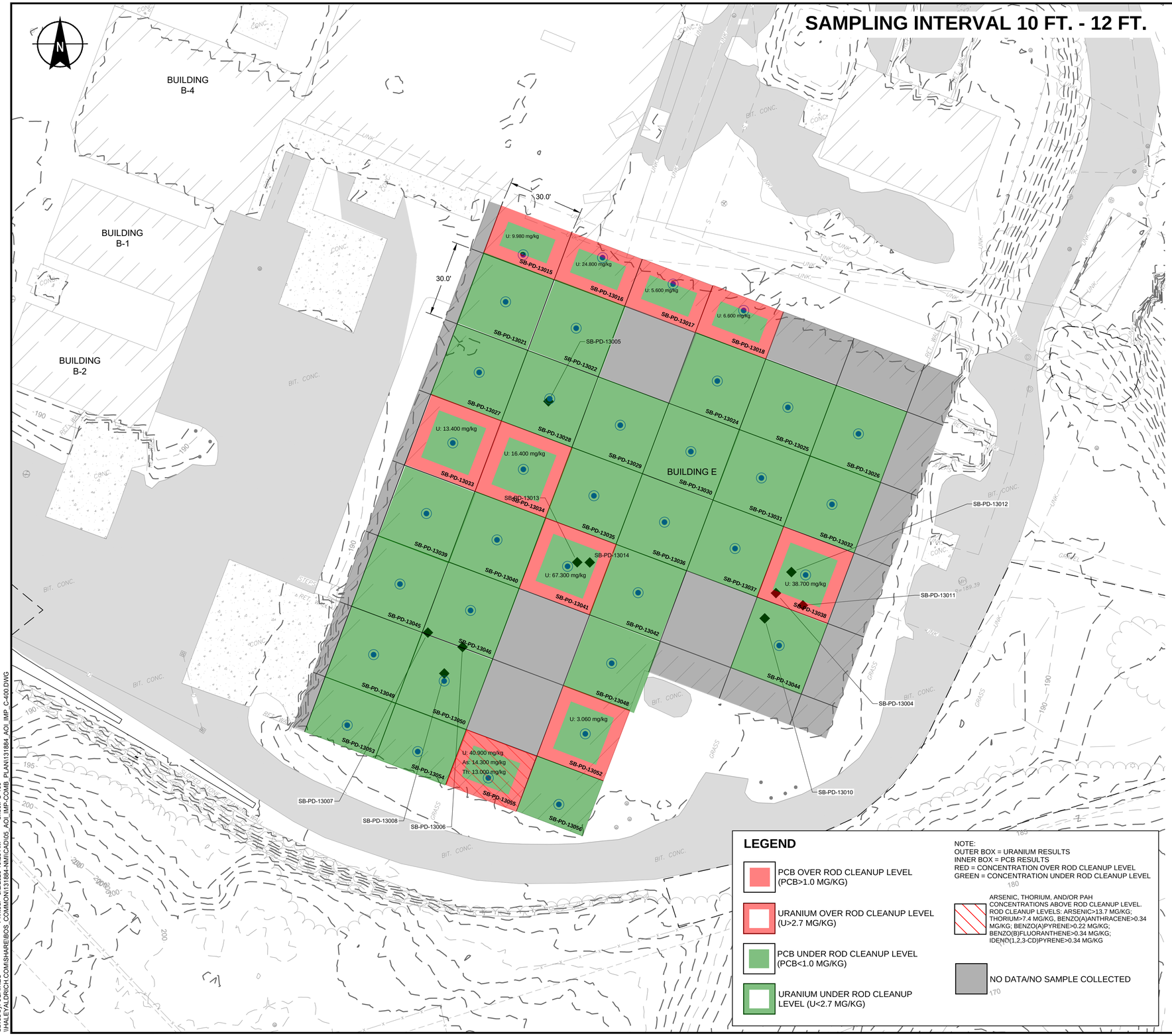
ENABLING PHASE
PRE-CHARACTERIZATION
DATA PLAN - BUILDING E
BUILDING E AREA

C-400

Sheet: 55 of 101

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\\HALEYALDRICH.COM\SHARE\BOS_COMMON\131884-NMI\CAD\05_AOI_IMP-COMB_PLAN\131884_AOI_IMP_C-400.DWG

SAMPLING INTERVAL 10 FT. - 12 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG
- NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. THE SURVEY AND BOUNDARY INFORMATION SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY HALEY & ALDRICH, INC. AND THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 1

Project No.:	131884
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Date:	MAY 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
SOIL REMEDIATION
MEMO AREA BUILDING E AND
ENABLING PHASE
REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

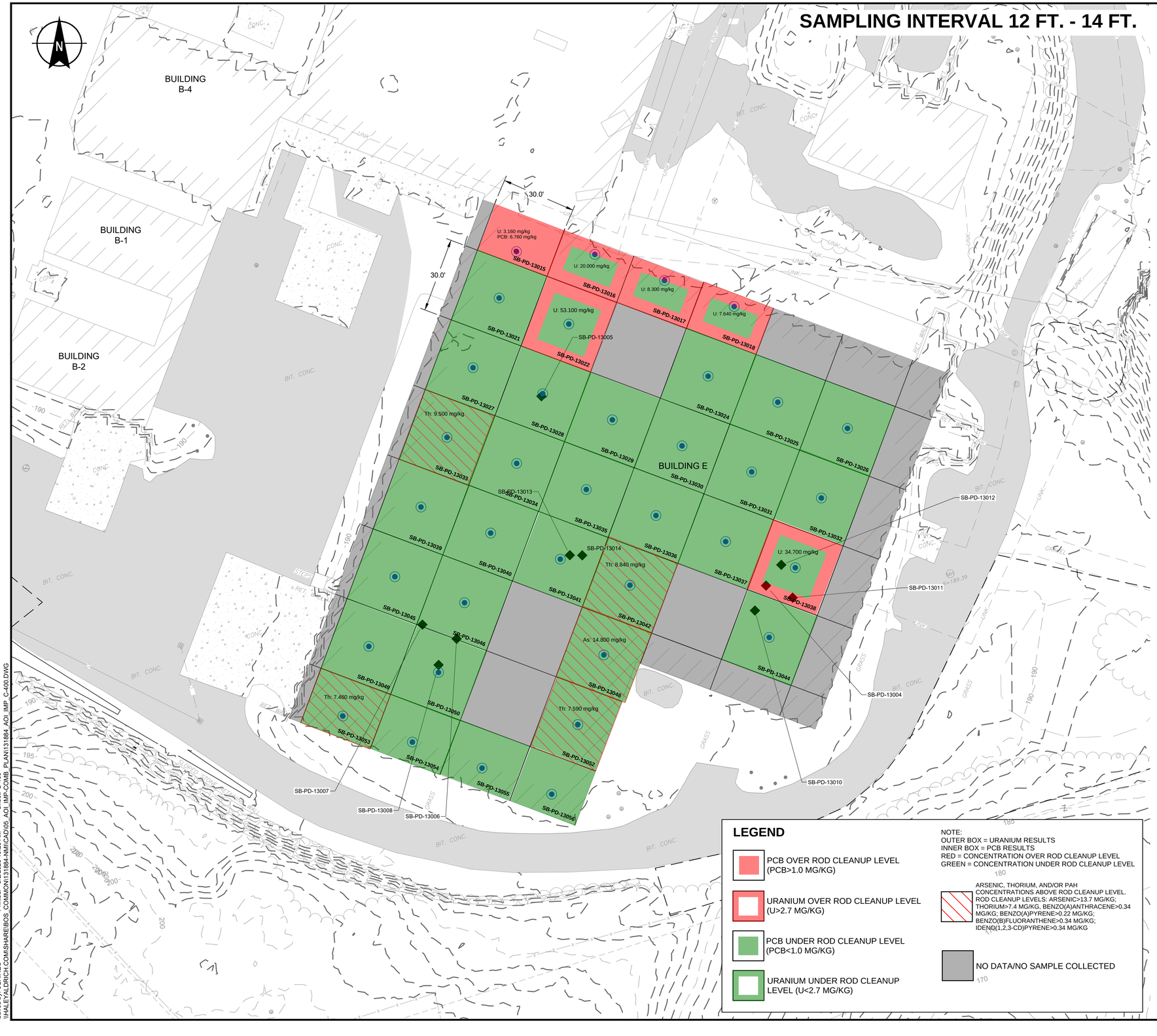
ENABLING PHASE
PRE-CHARACTERIZATION
DATA PLAN - BUILDING E
BUILDING E AREA

C-400

Sheet: 65 of 121

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SAMPLING INTERVAL 12 FT. - 14 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG
- NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. FOR BASEMAP AND GENERAL NOTES SEE SURVEY PLAN PREPARED BY THE CIVIL AND LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
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ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
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Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
ENABLING PHASE REMEDIAL ACTIVITIES
SOIL PRE-CHARACTERIZATION
BUILDING E AND
ZONE 1 PHASE 2
REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

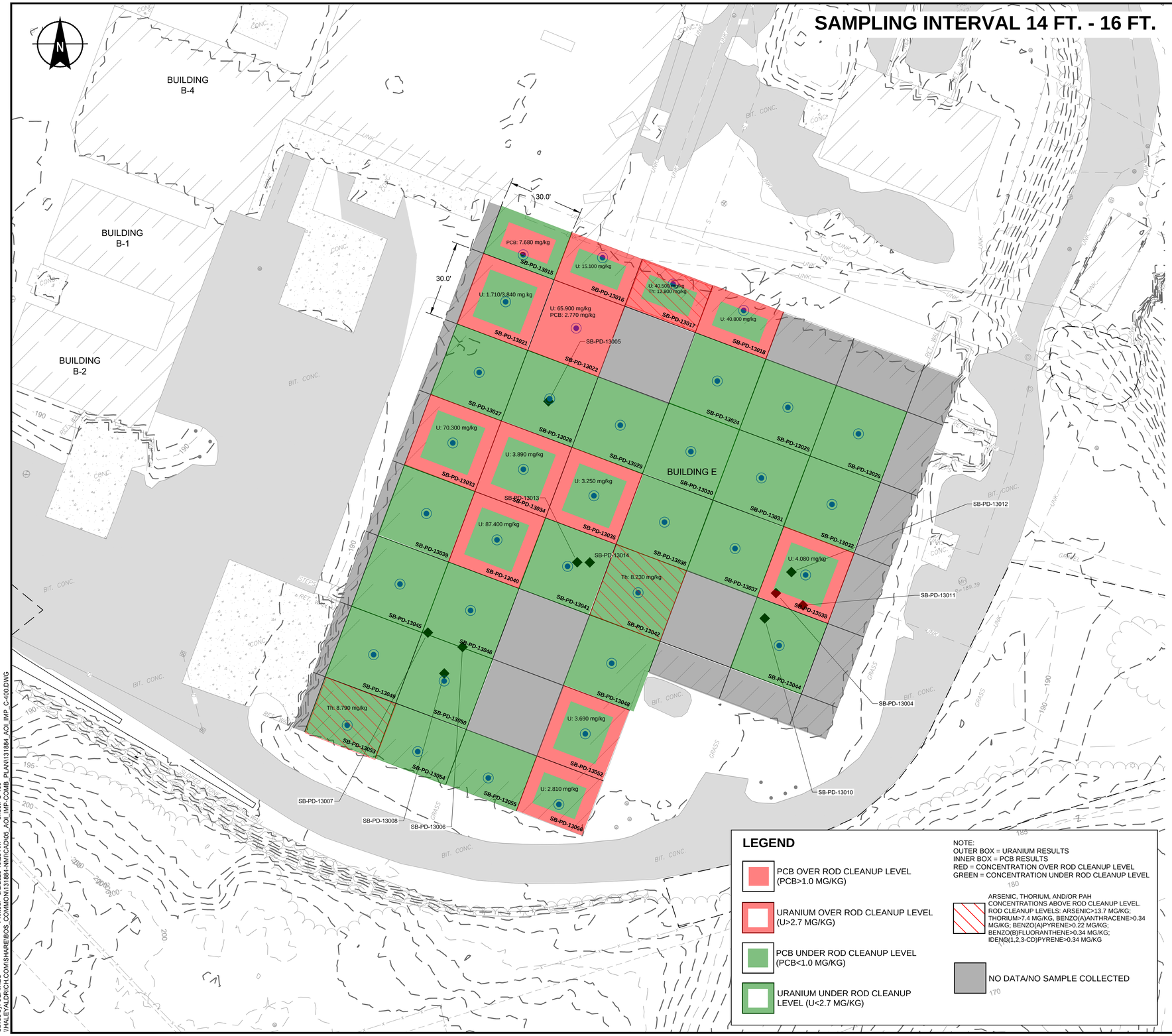
ENABLING PHASE
PRE-CHARACTERIZATION
ACTIVITIES
DATA PLAN - BUILDING E
BUILDING E AREA

C-400

Sheet: 75 of 101

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SAMPLING INTERVAL 14 FT. - 16 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG
- NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. FOR SURVEY AND ELEVATION NOTES SEE SURVEY NOTES PROVIDED BY MASSACHUSETTS LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY ALDRICH

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Boston, MA 02129-1400
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ATTACHMENT 1

Project No.:	131884
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Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
ENABLING PHASE CHARACTERIZATION MEMO ACTIVITIES
2229 MAIN STREET
CONCORD, MASSACHUSETTS

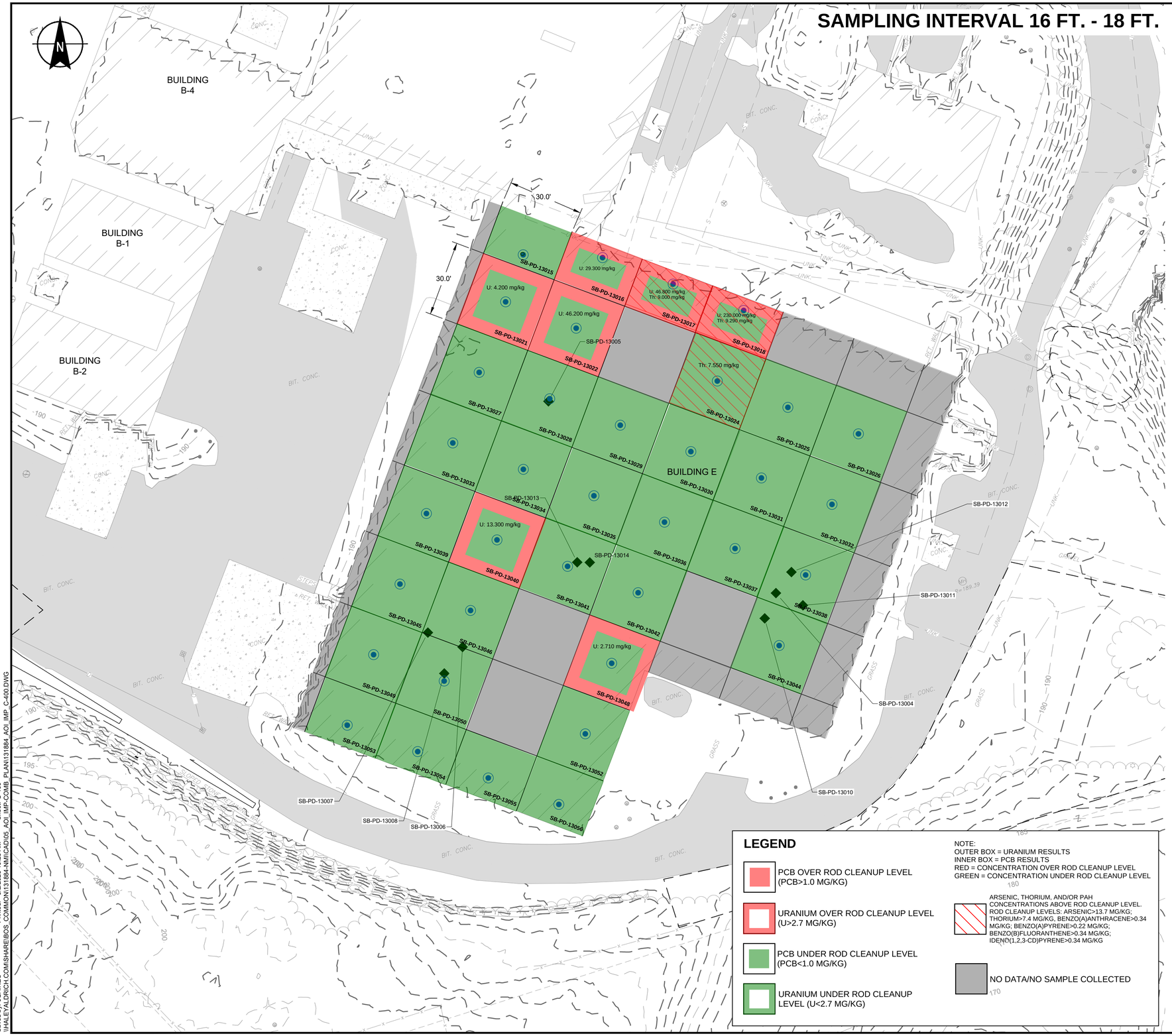
ENABLING PHASE PRE-CHARACTERIZATION ACTIVITIES DATA PLAN - BUILDING E BUILDING E AREA

C-400

Sheet: 15 of 20

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SAMPLING INTERVAL 16 FT. - 18 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

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- NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. FOR SURVEY AND DESIGN NOTES SEE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY & ALDRICH, INC.
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Fax: 617.886.7600
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ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
Date:	MAY 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
ENABLING PHASE REMEDIAL ACTIVITIES
SOIL PRE-CHARACTERIZATION MEMO ADDENDUM
BUILDING E AND ENABLING PHASE 100% REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

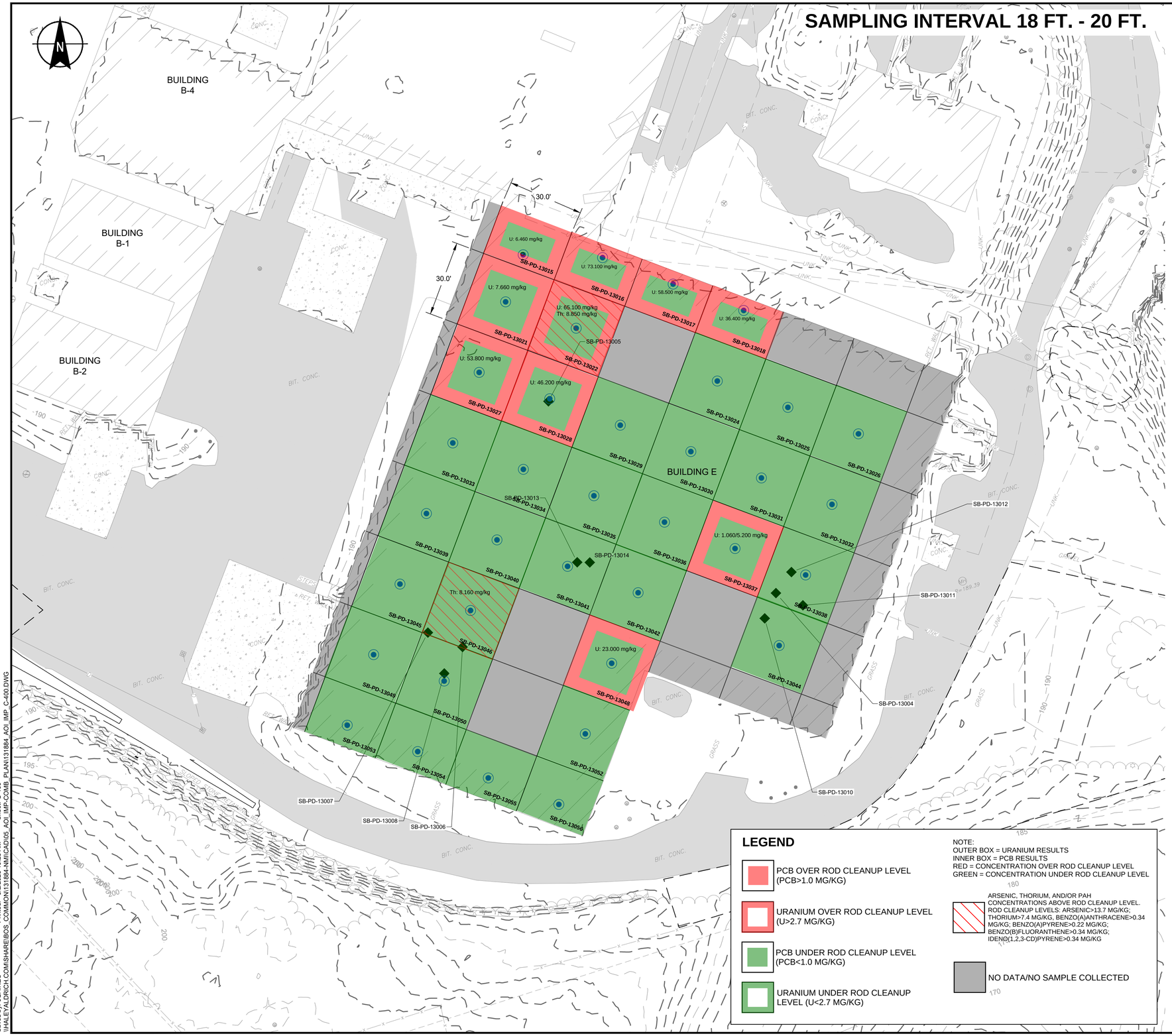
ENABLING PHASE PRE-CHARACTERIZATION ACTIVITIES - DATA PLAN - BUILDING E BUILDING E AREA

C-400

Sheet: 95 of 121

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Sheet: C-400

SAMPLING INTERVAL 18 FT. - 20 FT.



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- 1 FT PROPOSED GROUND CONTOUR
- 5 FT PROPOSED GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- SUPPLEMENTAL PRE-CHARACTERIZATION BORINGS/GEOPROBES

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG
- NO DATA/NO SAMPLE COLLECTED

0 20 40 60 80
SCALE IN FEET

NOTES

1. FOR SURVEY AND GENERAL INFORMATION SEE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020 PREPARED BY HALEY & ALDRICH, INC. AND BOSTON LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
Date:	MAY 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	ENABLING PHASE 100%	H&A	05/02/23

NUCLEAR METALS, INC.
ENABLING PHASE REMEDIAL ACTIVITIES
PRE-CHARACTERIZATION MEMO ADDENDUM
BUILDING E AND ENABLING PHASE 100% REMEDIAL DESIGN ACTIVITIES

2229 MAIN STREET
CONCORD, MASSACHUSETTS

ENABLING PHASE PRE-CHARACTERIZATION ACTIVITIES - DATA PLAN - BUILDING E BUILDING E AREA

C-400

Sheet: 15 of 20

Saved by: JGAINES Printed: 5/2/2023 10:25 AM Sheet: C-400
\\HALEYALDRICH.COM\SHARE\BOS_COMMON\131884-NM\CAD\05_AOI_IMP-COMB_PLAN\131884_AOI_IMP_C-400.DWG



LEGEND

- SITE BOUNDARY
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- TREE/SHRUB
- MONITORING OR PRODUCTION WELL
- CATCH BASIN
- SEWER/DRAIN/ELECTRIC/TELEPHONE/ GENERAL MANHOLE
- UTILITY POLE
- POST
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION

SAMPLE LEGEND

GROUND SURFACE
- 0 TO 1.00
- 1.01 TO 2.00
- 2.01 TO 4.00
- 4.01 TO 6.00
- 6.01 TO 8.00
- 8.01 TO 10.00
- >10.00

URANIUM (MG/KG)	TOTAL PCBs (MG/KG)
< 2.7	< 1
>= 2.7 AND < 13.5	>= 1 AND < 1.5
>= 13.5	>= 1.5
NO SAMPLE COLLECTED	NO SAMPLE COLLECTED

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465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 1

Project No.:	131884
Scale:	SHOWN
Date:	SEPTEMBER 2023
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA
Stamp:	

Rev.	Description	By	Date
B	PRE-CHAR MEMO	HA	12/27/23
A	ENABLING PHASE 100%	HA	05/02/23

NUCLEAR METALS, INC.
SOIL PRE - CHARACTERIZATION MEMO - BUILDING E AND COURTYARD AREA

2229 MAIN STREET
CONCORD, MASSACHUSETTS

BUILDING E HISTORICAL DATA

C-401-1

Sheet: 1 of 1

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\\HALEYALDRICH.COM\SHARE\BOS_COMMON\131884-NMI\CAD\02_AOI_BLDG_SLAB\FIGURE\131884_AOI_C-401-1.DWG

WORK IN PROGRESS - V.1

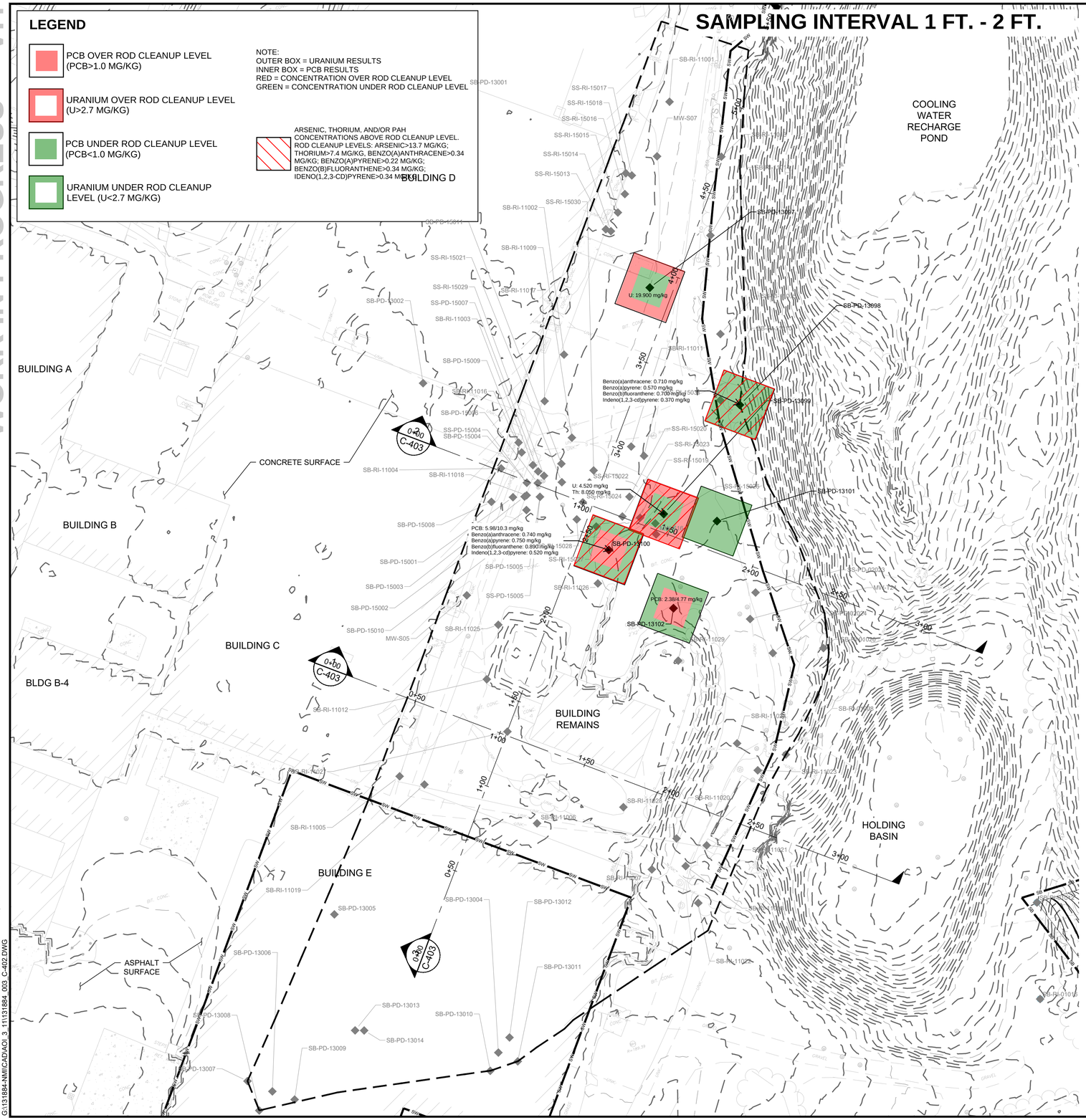
SAMPLING INTERVAL 1 FT. - 2 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG



LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD, LANDFILL AND COOLING POND REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 15 of 19

ANDERSON, GARRETT Printed: 8/15/2023 11:25 AM Layout: C-402
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WORK IN PROGRESS - V.1

SAMPLING INTERVAL 2 FT. - 4 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

BUILDING A
BUILDING B
BUILDING C
BLDG B-4
BUILDING D
BUILDING E
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE
0+00 C-403

SB-PD-13098
SB-PD-13099
SB-PD-13100
SB-PD-13101
SB-PD-13102
ID: 2,730 mg/kg

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD CHARACTERIZATION AND REMEDIAL DESIGN
MEMO, BUILDING F COOLING AND COURTYARD AREA

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 15 of 19

ANDERSON, GARRETT Printed: 8/15/2023 11:25 AM Layout: C-402
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WORK IN PROGRESS - V.1

SAMPLING INTERVAL 4 FT. - 6 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

BUILDING A
BUILDING B
BUILDING C
BLDG B-4
BUILDING D
BUILDING E
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE

SB-PD-13098
SB-PD-13099
SB-PD-13100
SB-PD-13101
SB-PD-13102

0+00 C-403
0+50 C-403
1+00 C-403

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD, LANDFILL AND COOLING POND
PRE-CHARACTERIZATION MEMO, BUILDING E AND COURTYARD AREA REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 35 of 49

ANDERSON, GARRETT Printed: 8/15/2023 11:25 AM Layout: C-402
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WORK IN PROGRESS - V.1

SAMPLING INTERVAL 6 FT. - 8 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

- ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

BUILDING A
BUILDING B
BUILDING C
BLDG B-4
BUILDING D
BUILDING E
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE
MW-S05
MW-S07
SB-PD-13098
SB-PD-13099
SB-PD-13100
SB-PD-13101
SB-PD-13102
0+00 C-403
0+50 C-403
1+00 C-403

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD RADIOLOGICAL CHARACTERIZATION AND REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 15 of 19

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WORK IN PROGRESS - V.1

SAMPLING INTERVAL 8 FT. - 10 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

BUILDING A
BUILDING B
BUILDING C
BLDG B-4
BUILDING D
BUILDING E
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE

0+00 C-403
0+50 C-403
1+00 C-403

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

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465 Medford Street, Suite 2200
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Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD RADIOLOGICAL CHARACTERIZATION AND MONITORING DATA REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 15 of 19

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WORK IN PROGRESS - V.1

SAMPLING INTERVAL 10 FT. - 12 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

BUILDING A
BUILDING B
BUILDING C
BLDG B-4
BUILDING D
BUILDING E
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE

0+00 C-403

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD REMEDIAL ACTION
MEMORIAL BUILDING AND COURTYARD AREA
REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 65 of 129

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WORK IN PROGRESS - V.1

SAMPLING INTERVAL 12 FT. - 14 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

BUILDING A
BUILDING B
BUILDING C
BLDG B-4
BUILDING D
BUILDING E
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE

0+00 C-403
0+50 C-403
1+00 C-403

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD RADIOLOGICAL CHARACTERIZATION AND REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 15 of 19

ANDERSON, GARRETT Printed: 8/15/2023 11:25 AM Layout: C-402
G:\131884-NMI\CAD\AOI_3_111\131884_003_C-402.DWG

WORK IN PROGRESS - V.1

SAMPLING INTERVAL 14 FT. - 16 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

BUILDING A
BUILDING B
BUILDING C
BUILDING D
BUILDING E
BLDG B-4
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE

0+00 C-403
0+50 C-403
1+00 C-403

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

HALEY & ALDRICH, INC.
465 Medford Street, Suite 2200
Boston, MA 02129-1400
Tel: 617.886.7400
Fax: 617.886.7600
www.haleyaldrich.com

ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD RADIOLOGICAL AND MECHANICAL DATA GAP REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 85 of 129

ANDERSON, GARRETT Printed: 8/15/2023 11:25 AM Layout: C-402
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WORK IN PROGRESS - V.1

SAMPLING INTERVAL 16 FT. - 18 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
INNER BOX = PCB RESULTS
RED = CONCENTRATION OVER ROD CLEANUP LEVEL
GREEN = CONCENTRATION UNDER ROD CLEANUP LEVEL

ARSENIC, THORIUM, AND/OR PAH CONCENTRATIONS ABOVE ROD CLEANUP LEVEL. ROD CLEANUP LEVELS: ARSENIC>13.7 MG/KG; THORIUM>7.4 MG/KG, BENZO(A)ANTHRACENE>0.34 MG/KG; BENZO(A)PYRENE>0.22 MG/KG; BENZO(B)FLUORANTHENE>0.34 MG/KG; IDENO(1,2,3-CD)PYRENE>0.34 MG/KG

BUILDING A
BUILDING B
BUILDING C
BUILDING D
BUILDING E
BLDG B-4
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE

U: 4,330 mg/kg
TH: 14,000 mg/kg

0+00 C-403
0+50 C-403
1+00 C-403

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

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ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD RADIOLOGICAL CHARACTERIZATION AND REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 95 of 129

ANDERSON, GARRETT Printed: 8/15/2023 11:25 AM Layout: C-402
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WORK IN PROGRESS - V.1

SAMPLING INTERVAL 18 FT. - 20 FT.

LEGEND

- PCB OVER ROD CLEANUP LEVEL (PCB>1.0 MG/KG)
- URANIUM OVER ROD CLEANUP LEVEL (U>2.7 MG/KG)
- PCB UNDER ROD CLEANUP LEVEL (PCB<1.0 MG/KG)
- URANIUM UNDER ROD CLEANUP LEVEL (U<2.7 MG/KG)

NOTE:
OUTER BOX = URANIUM RESULTS
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RED = CONCENTRATION OVER ROD CLEANUP LEVEL
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BUILDING A
BUILDING B
BUILDING C
BUILDING D
BUILDING E
BLDG B-4
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE
0+00 C-403
0+50 C-403
1+00 C-403
2+00 C-403
3+00 C-403
4+00 C-403
0+50
1+00
1+50
2+00
2+50
3+00
3+50
4+00
4+50
SB-PD-13098
SB-PD-13099
SB-PD-13100
SB-PD-13101
SB-PD-13102
U 16.2 mg/kg

LEGEND

- SITE BOUNDARY
- LIMITS OF EXCAVATION
- FORMER BUILDING SLAB
- CHAIN LINK FENCE
- GUARD RAIL
- 1 FT EXISTING GROUND CONTOUR
- 5 FT EXISTING GROUND CONTOUR
- STORM DRAIN LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- OVERHEAD ELECTRICAL LINE
- UNKNOWN UTILITY
- WETLAND BOUNDARY
- VEGETATION BOUNDARY
- MONITORING OR PRODUCTION WELL
- STORM DRAIN
- ELECTRICAL BOX
- TREE/SHRUB
- ASPHALT
- CONCRETE
- GRAVEL
- HISTORICAL SAMPLING LOCATION
- 2023 PRE-CHARACTERIZATION SAMPLING LOCATION

NOTES

1. THE BASEMAP AND ELEVATION SURVEY WERE PROVIDED BY FELDMAN LAND SURVEYORS IN THE "EXISTING CONDITIONS PLAN" DATED MAY 15, 2020.

N

0 30 60 90 120
SCALE IN FEET

HALEY ALDRICH

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Fax: 617.886.7600
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ATTACHMENT 2

Project No.:	131884
Scale:	SHOWN
Date:	06/30/23
Drawn By:	HA
Designed By:	HA
Checked By:	HA
Approved By:	HA

Stamp:

95% DESIGN

DRAFT

Rev.	Description	By	Date
B	PRE-CHAR MEMO	H&A	12/27/23
A	95% DESIGN	H&A	08/07/23

NUCLEAR METALS, INC.
COURTYARD RADIOLOGICAL CHARACTERIZATION AND MONITORING AND REMEDIAL DESIGN

2229 MAIN STREET
CONCORD, MASSACHUSETTS

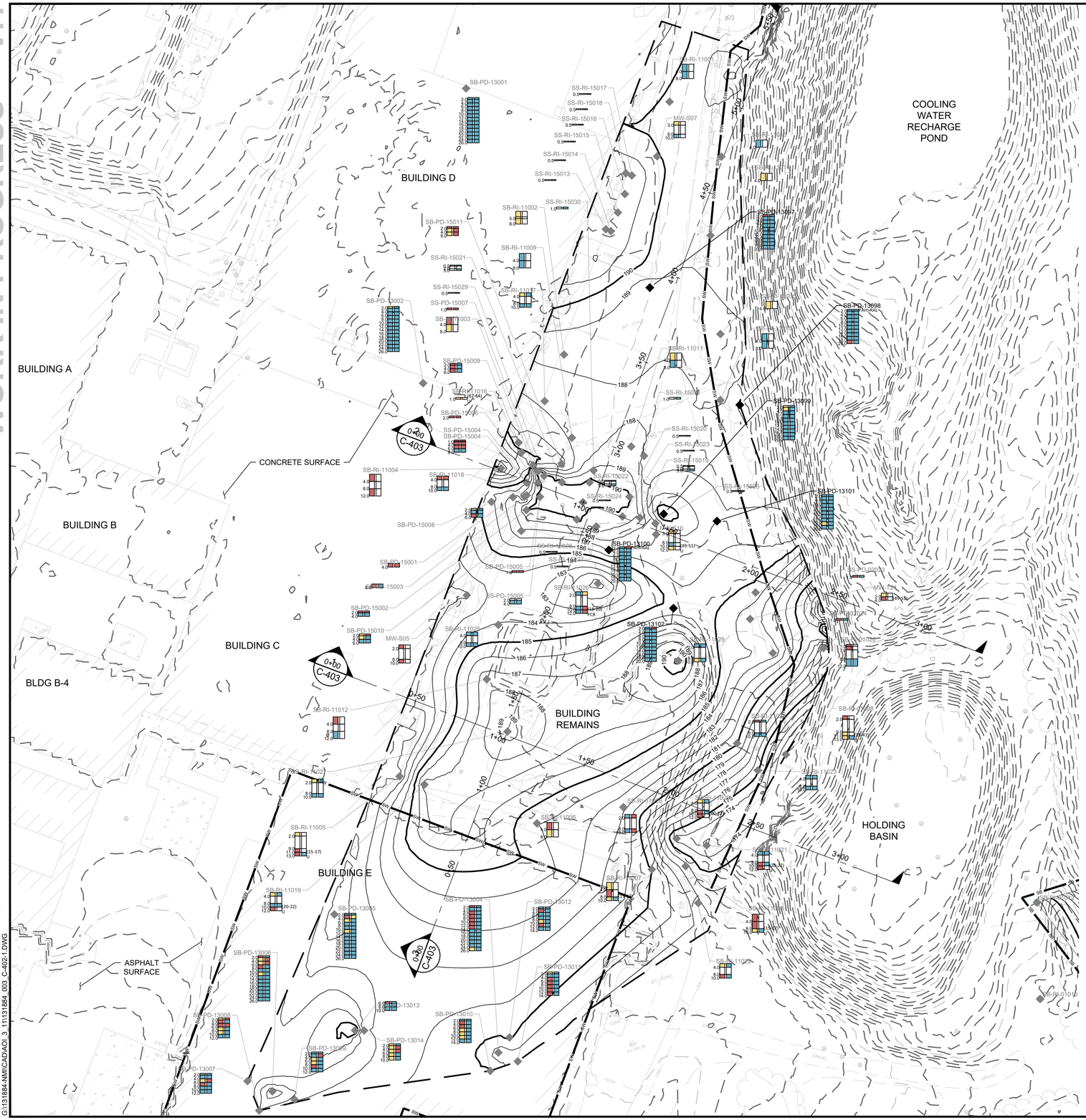
COURTYARD PRE-CHARACTERIZATION DATA PLAN

C-402

Sheet: 10 of 20

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WORK IN PROGRESS - V.1


BUILDING A
BUILDING B
BUILDING C
BUILDING D
BUILDING E
BLDG B-4
BUILDING REMAINS
COOLING WATER RECHARGE POND
HOLDING BASIN
CONCRETE SURFACE
ASPHALT SURFACE
0+00 C-403
1+00 C-403
2+00 C-403
3+00 C-403
0+50
1+50
2+50
3+50
4+00
4+50
5+00
190
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SB-PD-13001
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MW-S49-556

ATTACHMENT A
Geoprobe Logs

GEOPROBE REPORT

Boring No. SB-PD-13015

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 12, 2023
Finish	April 12, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 41	0.0 5.0	0.5	SP	Note: Moved 6.5 ft south from previous attempt.	5	10	5	5	70	5				
					SP	Light brown poorly-graded SAND with gravel (SP), no structure, no odor, dry	5	10	5	5	70	5				
					SP			10	5	5	75	5				
						- FILL -										
						Black poorly-graded SAND with gravel (SP), no structure, no odor, dry, trace brick, asphalt										
						Light brown poorly-graded SAND (SP), no structure, no odor, dry										
5	PUSH	G2 39	5.0 10.0		SP	Light brown orange poorly-graded SAND (SP), no structure, no odor, dry		5	5	10	75	5				
10	PUSH	G3 48	10.0 15.0		SP-SM	Gray poorly-graded SAND with silt (SP-SM), no structure, no odor, dry				10	80	10				
15	PUSH	G4 51	15.0 20.0	16.0	SP	Gray poorly-graded SAND (SP), no structure, no odor, dry		5	15	20	60					
						- ICE CONTACT DEPOSITS -										
					SM	Gray (SM), no structure, no odor, moist				5	70	25				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13015

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-09 PLOG-HA-LIB09-BOS STANDARD ONLY - COPY.GLB HA-TB+CORE+WELL-07-1.GDT \\HALEYALDRICH.COM\SHARE\BOS_COMMON\131884-NM\GINT\2023 EXPLORATIONS\0131884-003-GP.GPJ Jun 7, 23

HALEY ALDRICH

GEOPROBE REPORT

Boring No. SB-PD-13016

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 13, 2023
Finish	April 13, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1	0.0 5.0	0.5		-CONCRETE-										
					SP-SM	Brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	5	10	5	5	65	10				
					SM	- FILL - Gray-brown silty SAND (SM), no structure, no odor, dry				5	80	15				
5	PUSH	G2 55	5.0 10.0		SM	Brown silty SAND (SM), no structure, no odor, dry		5	5	10	65	15				
10	PUSH	G3 49	10.0 15.0		SM	Brown silty SAND (SM), no structure, no odor, dry		5	5	10	65	15				
				13.0	SM	Gray-brown silty SAND (SM), bedded, no odor, dry			5	10	70	15				
						- ICE CONTACT DEPOSITS -										
15	PUSH	G4 35	15.0 20.0		SM	Gray-brown and orange silty SAND (SM), bedded, no odor, dry			5	10	70	15				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13016

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-09 PLOG-HA-LIB09-BOS STANDARD ONLY - COPY.GLB HA-TB+CORE+WELL-07-1.GDT \\HALEYALDRICH.COM\SHARE\BOS_COMMON\131884-NM\GINT\2023 EXPLORATIONS\0131884-003-GP.GPJ Jun 7, 23

GEOPROBE REPORT

Boring No. SB-PD-13017

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 13, 2023
Finish	April 13, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 18	0.0 5.0		SP-SM	Brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	5	10	5	5	65	10				
						- FILL -										
					SM	Gray-brown silty SAND (SM), no structure, no odor, dry					85	15				
5	PUSH	G2	5.0 10.0		SM	Brown silty SAND (SM), no structure, no odor, dry		5	10	10	60	15				
10	PUSH	G3	10.0 15.0		SP	Brown poorly-graded SAND (SP), no structure, no odor, dry		5	15	15	60	5				
				14.0	SM	Brown silty SAND (SM), no structure, no odor, dry to moist				5	70	25				
15	PUSH	G4	15.0 20.0			- ICE CONTACT DEPOSITS -										
					SM	Brown silty SAND (SM), bedded, no odor, wet					60	40				
					ML	Gray sandy SILT (ML), bedded, no odor, wet					20	80				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13017

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13018

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 13, 2023
Finish	April 13, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 28	0.0 5.0	0.5	SP-SM	Brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	5	10	5	5	65	10				
					SM	- FILL - Gray-brown silty SAND (SM), no structure, no odor, dry					85	15				
5	PUSH	G2 45	5.0 10.0		SM	Brown silty SAND (SM), no odor, dry		10	5	10	60	15				
10	PUSH	G3 56	10.0 15.0	12.0	SP	Brown to orange poorly-graded SAND (SP), no structure, no odor, dry		10	15	25	45	5				
						- ICE CONTACT DEPOSITS -										
					SM	Orange to brown silty SAND (SM), bedded, no odor, dry to moist					65	35				
15	PUSH	G4 42	15.0 20.0		ML	Orange and gray sandy SILT (ML), bedded, no odor, wet to moist					40	60				
					SP	Brown poorly-graded SAND (SP), no structure, wet			10	20	65	5				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13018

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13021

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 13, 2023
Finish	April 13, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 33	0.0 5.0	0.5	SP-SM	Brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor	5	10		5	70	10				
					SM	- FILL - Gray-brown silty SAND (SM), no structure, no odor, dry					85	15				
5	PUSH	G2 55	5.0 10.0		SM	Brown silty SAND (SM), no odor, dry		5		5	75	15				
10	PUSH	G3 44	10.0 15.0		SP-SM	Brown to orange poorly-graded SAND with silt (SP-SM), no structure, no odor, dry		5	5	10	70	10				
				14.0	SM	Brown to gray-brown silty SAND (SM), no structure, no odor, moist		10	10	15	50	15				
15	PUSH	G4 33	15.0 20.0			- ICE CONTACT DEPOSITS -										
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13021

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13022

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 14, 2023
Finish	April 14, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 42	0.0 5.0	0.5	SM	Brown to orange silty SAND with gravel (SM), no odor, dry -FILL-	5	10		5	65	15				
					SP	Light brown poorly-graded SAND (SP), no structure, no odor, dry			10	15	70	5				
5	PUSH	G2 49	5.0 10.0		SM	Gray-brown silty SAND (SM), no structure, no odor, dry				5	75	20				
10	PUSH	G3 54	10.0 15.0		SM	Gray-brown silty SAND (SM), no structure, no odor, dry				5	75	20				
				13.0	ML	Light brown sandy SILT (ML), bedded, no odor, wet					30	70				
					SM	- ICE CONTACT DEPOSITS - Brown and orange silty SAND (SM), bedded, no odor, wet				5	70	25				
15	PUSH	G4 45	15.0 20.0		ML	Gray-brown sandy SILT (ML), bedded, no odor, wet					40	60				
					SM	Brown and orange silty SAND (SM), bedded, no odor, wet			5	10	60	25				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13022

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13024

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 14, 2023
Finish	April 14, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 56	0.0 5.0	0.5	SM	Gray-brown silty SAND (SM), no structure, no odor, dry - FILL -		10	5	10	60	15				
					SM	Orange silty SAND (SM), no structure, no odor, dry		5	5	5	60	25				
5	PUSH	G2 51	5.0 10.0		SP	Gray-brown poorly-graded SAND (SP), no odor, dry			15	25	55	5				
					SP	Orange and gray-brown poorly-graded SAND (SP), no structure, no odor, dry	5	10	15	15	55					
10	PUSH	G3 57	10.0 15.0													
				12.0	ML	Gray sandy SILT (ML), bedded, no odor, wet					35	65				
					SP-SM	- ICE CONTACT DEPOSITS - Gray-brown poorly-graded SAND with silt (SP-SM), no structure, no odor, moist to wet		5	10	25	50	10				
15	PUSH	G4 38	15.0 20.0		SM	Gray-brown silty SAND (SM), bedded, no odor, moist					80	20				
					ML	Gray sandy SILT (ML), bedded, no odor, wet					35	65				
					SM	Gray-brown silty SAND (SM), bedded, no odor, moist					80	20				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13024

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13025

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 17, 2023
Finish	April 17, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 48	0.0 5.0	0.5	SM	Light brown silty SAND (SM), no structure, no odor, dry - FILL -		10	10	10	55	15				
					SM	Brown silty SAND (SM), no structure, no odor, dry		10	10	10	55	15				
5	PUSH	G2 59	5.0 10.0		SM	Light brown silty SAND (SM), no structure, no odor, dry			10	10	65	15				
					SP-SM	Brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	10	15	10	10	45	10				
				9.0	ML	Tan to brown sandy SILT (ML), bedded, no odor, wet, finely bedded					20	80				
10	PUSH	G3 43	10.0 15.0		SM	- ICE CONTACT DEPOSITS - Tan silty SAND (SM), bedded, no odor, moist					60	40				
					SP	Brown to orange poorly-graded SAND (SP), no structure, no odor, moist			5	5	85	5				
					ML	Tan to brown sandy SILT (ML), bedded, no odor, moist, finely bedded					20	80				
15	PUSH	G4	15.0 20.0		SP	Light brown poorly-graded SAND (SP), no structure, no odor, moist		5	10	20	60	5				
					SM	Brown silty SAND (SM), bedded, no odor, moist				10	70	20				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 20.0 Rock Cored (ft) 0.0 Samples G4 **Boring No. SB-PD-13025**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13026

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 17, 2023
Finish	April 17, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 47	0.0 5.0	0.5		-TOPSOIL-										
					SM	Brown silty SAND with gravel (SM), no structure, dry - FILL -	5	10	5	10	55	15				
					SM	Dark brown silty SAND with gravel (SM), no structure, dry, trace asphalt	5	10	5	10	55	15				
5	PUSH	G2 51	5.0 10.0		SP	Brown and orange poorly-graded SAND (SP), no structure, no odor, dry	10	15	10	15	45	5				
				9.0	ML	Light brown sandy SILT (ML), bedded, no odor, moist					35	65				
10	PUSH	G3 49	10.0 15.0			- ICE CONTACT DEPOSITS -										
					SP	Light brown poorly-graded SAND (SP), no structure, no odor, moist		5	15	25	55					
					SM	Brown silty SAND (SM), bedded, no odor, moist					75	25				
15	PUSH	G4 34	15.0 20.0		SM	Brown and orange silty SAND (SM), bedded, no odor, moist					75	25				
					ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13026

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13027

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 17, 2023
Finish	April 17, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 33	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND with gravel (SM), no structure, no odor, dry	5	10	5	10	55	15				
						- FILL -										
5	PUSH	G2 55	5.0 10.0		SP	Gray-brown poorly-graded SAND (SP), no structure, no odor, dry		5	10	15	65	5				
				9.0	ML	Gray sandy SILT (ML), bedded, no odor, moist					25	75				
					SP-SM			15	10	20	45	10				
10	PUSH	G3 41	10.0 15.0			- ICE CONTACT DEPOSITS -		15	10	20	45	10				
					SP-SM	Light brown to orange poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, wet										
					SP-SM	Light brown to orange poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, wet										
					SM	Gray-brown (SM), no structure, no odor, moist				5	75	20				
15	PUSH	G4 29	15.0 20.0													
					SM	Gray-brown (SM), bedded, no odor, moist					70	30				
					SM	Gray-brown (SM), bedded, no odor, moist					65	35				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13027

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13028

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 17, 2023
Finish	April 17, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel %	Sand %	Sand %	Sand %	Fines %	Field Test			
							Coarse	Fine	Coarse	Medium	Fine		Dilatancy	Toughness	Plasticity	Strength
0						-CONCRETE-										
	PUSH	G1 50	0.0 5.0	0.5	SM	Brown silty SAND with gravel (SM), no structure, no odor, dry - FILL -	5	10	5	10	55	15				
					SP	Light brown and black poorly-graded SAND (SP), no structure, no odor, dry, trace asphalt		5	15	25	50	5				
					SM	Silty SAND (SM), no structure				10	70	20				
5	PUSH	G2	5.0 10.0		SM	Gray silty SAND (SM), no structure, no odor, dry		5	10	15	30	40				
					SP-SM	Gray-brown poorly-graded SAND with silt (SP-SM), no structure, dry				10	80	10				
				8.5	SM	Gray-brown and orange silty SAND (SM), bedded, no odor, moist - ICE CONTACT DEPOSITS -					75	25				
10	PUSH	G3 30	10.0 15.0													
15	PUSH	G4 36	15.0 20.0		SP-SM	Gray-brown to orange poorly-graded SAND with silt (SP-SM), no structure, no odor, moist				15	75	10				
					SM	Gray silty SAND (SM), bedded, no odor, moist					55	45				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13028

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13029

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 18, 2023
Finish	April 18, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 27	0.0 5.0	0.5	SP-SM	Brown poorly-graded SAND with silt (SP-SM), no structure, no odor, wet		10	10	15	55	10				
						- FILL -										
					SM	Brown to orange (SM), no structure, no odor, moist			10	20	50	20				
5	PUSH	G2 40	5.0 10.0													
					SP	Orange to brown poorly-graded SAND with gravel (SP), no structure, no odor, dry	10	10	20	25	35					
10	PUSH	G3 46	10.0 15.0		SP	Gray-brown poorly-graded SAND (SP), no structure, no odor, moist to dry		5	10	20	60	5				
				13.0	ML	Gray sandy SILT (ML), bedded, no odor, moist					35	65				
					SM						85	15				
						- ICE CONTACT DEPOSITS -										
						Gray-brown silty SAND (SM), bedded, no odor, dry										
15	PUSH	G4 39	15.0 20.0		SP	Gray-brown poorly-graded SAND (SP), no odor, moist			15	30	55					
					ML	Gray and orange sandy SILT (ML), bedded, no odor, moist					30	70				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13029

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY ALDRICH

GEOPROBE REPORT

Boring No. SB-PD-13030

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 18, 2023
Finish	April 18, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 53	0.0 5.0	0.5	SP-SM	Gray-brown and orange poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	5	10	10	15	50	10				
						- FILL -										
5	PUSH	G2 46	5.0 10.0		SP-SM	Gray-brown and orange poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	5	10	10	20	45	10				
				9.0	SM	Gray silty SAND (SM), bedded, no odor, dry					65	35				
10	PUSH	G3 56	10.0 15.0		SM	- ICE CONTACT DEPOSITS - Gray silty SAND (SM), bedded, no odor, dry					80	20				
					SP	Gray-brown poorly-graded SAND (SP), no structure, no odor, moist		10	10	25	50	5				
15	PUSH	G4 27	15.0 20.0		SP	Gray-brown poorly-graded SAND (SP), no structure, no odor, moist			10	25	60	5				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 20.0 Rock Cored (ft) 0.0 Samples G4 **Boring No. SB-PD-13030**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13031

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 18, 2023
Finish	April 18, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	P U S H	G1 52	0.0 5.0	0.5	SP-SM	Brown poorly-graded SAND with silt (SP-SM), no structure, no odor, dry - FILL -		10	10	15	55	10				
					SP	Light brown poorly-graded SAND (SP), no structure, no odor, dry			25	30	40	5				
5	P U S H	G2 58	5.0 10.0		SP	Light brown poorly-graded SAND (SP), no structure, no odor, dry			25	30	40	5				
					SM	Light brown and orange silty SAND with gravel (SM), no structure, no odor, dry	10	10	5	10	50	15				
10	P U S H	G3 57	10.0 15.0		SP	Light brown poorly-graded SAND (SP), no structure, no odor, dry			25	30	40	5				
				12.0	SP	Brown to orange poorly-graded SAND (SP), no structure, no odor, moist - ICE CONTACT DEPOSITS -		5	15	25	50	5				
15	P U S H	G4 34	15.0 20.0		SP	Brown poorly-graded SAND (SP), bedded, no odor, moist			5	10	70	15				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13031

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13032

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 18, 2023
Finish	April 18, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 41	0.0 5.0	0.5	SM	Brown silty SAND (SM), no structure, no odor, dry - FILL -	5	10	5	10	55	15				
5	PUSH	G2 60	5.0 10.0		SP-SM	Light brown poorly-graded SAND with silt (SP-SM), no structure, no odor, dry		10	10	15	55	10				
					SP	Light brown poorly-graded SAND with gravel (SP), no structure, no odor, dry	10	10	10	10	55	5				
				8.5	SM	Light brown silty SAND (SM), bedded, no odor, dry - ICE CONTACT DEPOSITS -		10	10	15	50	15				
10	PUSH	G3 45	10.0 15.0		SM	Light brown silty SAND (SM), bedded, no odor, dry		10	10	15	50	15				
					ML	Gray sandy SILT (ML), bedded, no odor, moist					40	60				
					SM	Brown and orange silty SAND (SM), bedded, no odor, moist					80	20				
					ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
					SM	Brown to orange silty SAND (SM), bedded, no odor, moist					85	15				
15	PUSH	G4 39	15.0 20.0		SM	Brown and gray silty SAND (SM), bedded, no odor, moist, bedded layers of brown, gray, and red			5	10	65	20				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13032

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13033

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 18, 2023
Finish	April 18, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation	
Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 21	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND with gravel (SM), no structure, no odor, dry - FILL -	5	10	5	10	55	15				
5	PUSH	G2 22	5.0 10.0		SM	Brown silty SAND with gravel (SM), no structure, no odor, dry	5	10	5	5	55	20				
10	PUSH	G3 46	10.0 15.0		SM	Silty SAND with gravel (SM), no structure, no odor, moist	5	10	10	10	50	15				
				12.0	ML	Gray sandy SILT (ML), bedded, no odor, moist - ICE CONTACT DEPOSITS -					15	85				
					SP	Brown to orange poorly-graded SAND (SP), no structure, no odor, moist		5	10	20	60	5				
15	PUSH	G4 39	15.0 20.0		ML SP	Gray sandy SILT (ML), bedded, no odor, moist Brown to orange poorly-graded SAND (SP), no structure, no odor, moist		10	10	20	20 60	80				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13033

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13034

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 19, 2023
Finish	April 19, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 48	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND with gravel (SM), no structure, no odor, dry - FILL -	5	10	5	15	50	15				
5	PUSH	G2 51	5.0 10.0		SM	Tan silty SAND (SM), no structure, no odor, dry					85	15				
					SP-SM	Brown to orange poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	10	15	10	10	45	10				
				9.0	SP-SM	Tan poorly-graded SAND with silt (SP-SM), no structure, no odor, dry - ICE CONTACT DEPOSITS -					90	10				
10	PUSH	G3 54	10.0 15.0		ML	Gray sandy SILT (ML), bedded, no odor, dry					30	70				
					SP	Gray-brown poorly-graded SAND with gravel (SP), no structure, no odor, moist	5	10	10	20	50	5				
15	PUSH	G4 21	15.0 20.0		SP	Gray-brown poorly-graded SAND with gravel (SP), no structure, no odor, moist	10	20	10	20	35	5				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 20.0 Rock Cored (ft) 0.0 Samples G4 **Boring No. SB-PD-13034**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13035

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 19, 2023
Finish	April 19, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 35	0.0 5.0	0.5	SP-SM	Brown poorly-graded SAND with silt (SP-SM), no structure, no odor, moist, trace asphalt		5	5	10	70	10				
						-FILL-										
					SP-SM	Brown poorly-graded SAND with silt (SP-SM), no structure, no odor, moist, trace asphalt		10	10	15	55	10				
5	PUSH	G2 43	5.0 10.0	6.0	ML SM	Gray sandy SILT (ML), bedded, no odor, dry					40	60				
											80	20				
						- ICE CONTACT DEPOSITS - Gray silty SAND (SM), no structure, no odor, dry										
10	PUSH	G3 44	10.0 15.0		SP-SM	Brown to orange poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	10	10	10	15	45	10				
					SP	Brown poorly-graded SAND (SP), bedded, no odor, moist			5	10	80	5				
					SP	Brown poorly-graded SAND (SP), no structure, occasional fecal odor, moist		5	15	25	55					
15	PUSH	G4 38	15.0 20.0		SP	Brown poorly-graded SAND (SP), no structure, no odor, moist		5	20	35	35	5				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13035

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13036

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 19, 2023
Finish	April 19, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 49	0.0 5.0	0.5	SM	Brown silty SAND (SM), no structure, no odor, dry, trace asphalt - FILL -		10	5	10	60	15				
					SM	Light brown to gray-brown silty SAND (SM), no structure, no odor, dry				10	70	20				
5	PUSH	G2 56	5.0 10.0		SM	Brown silty SAND (SM), no structure, no odor, dry		5	5	10	65	15				
					SP	Brown to orange poorly-graded SAND with gravel (SP), no structure, no odor, dry	15	15	10	15	40	5				
				9.0	ML SM	Brown sandy SILT (ML), bedded, no odor, moist			10	15	25 60	75 15				
10	PUSH	G3 51	10.0 15.0			- ICE CONTACT DEPOSITS - Silty SAND (SM), no structure, moist										
					SM	Tan silty SAND (SM), bedded, no odor, moist					60	40				
					SP	Poorly-graded SAND (SP), no structure, no odor, moist		10	10	15	65					
					SP-SM	Brown to orange poorly-graded SAND with silt (SP-SM), bedded, no odor, moist					90	10				
15	PUSH	G4 33	15.0 20.0		SP	Brown to orange poorly-graded SAND (SP), bedded, no odor, moist					95	5				
					ML	Gray-brown sandy SILT (ML), bedded, no odor, moist					35	65				
					SM	Light brown silty SAND (SM), bedded, no odor, moist					80	20				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13036

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13037

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 19, 2023
Finish	April 19, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 52	0.0 5.0	0.5	SM	Brown silty SAND (SM), no structure, no odor, moist - FILL -		10	15	30	30	15				
					SM	Brown to orange silty SAND (SM), no structure, no odor, moist, trace asphalt			5	15	60	20				
5	PUSH	G2 57	5.0 10.0	6.5	ML	Gray-brown sandy SILT (ML), bedded, no odor, moist					40	60				
					SM	- ICE CONTACT DEPOSITS -					80	20				
					ML	Gray-brown silty SAND (SM), no structure, no odor, moist					40	60				
					SP	Gray-brown sandy SILT (ML), bedded, no odor, moist	10	15	15	25	35					
					ML	Red-brown to gray-brown poorly-graded SAND with gravel (SP), no structure, no odor, moist					40	60				
					SP	Gray-brown sandy SILT (ML), bedded, no odor, moist	5	10	15	25	40	5				
10	PUSH	G3 51	10.0 15.0			Gray-brown to orange poorly-graded SAND with gravel (SP), no structure, no odor, moist										
					ML	Gray-brown sandy SILT (ML), bedded, no odor, moist					15	85				
					SP-SM	Light brown poorly-graded SAND with silt (SP-SM), bedded, no odor, moist			5	10	75	10				
15	PUSH	G4 36	15.0 20.0		ML	Gray sandy SILT (ML), bedded, no odor, moist					35	65				
					SM	Gray-brown and orange silty SAND (SM), bedded, no odor, moist, alternating beds of orange and gray					75	25				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13037

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13038

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 19, 2023
Finish	April 19, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 49	0.0 5.0	0.5	SM	Brown silty SAND with gravel (SM), no structure, no odor, moist, trace asphalt	5	10	5	10	55	15				
						- FILL -										
					SM	Light brown silty SAND (SM), no structure, no odor, moist				10	70	20				
5	PUSH	G2 50	5.0 10.0		SM	Light brown silty SAND (SM), no structure, no odor, moist				10	70	20				
					SP	Brown to orange poorly-graded SAND with gravel (SP), no structure, no odor, moist	10	15	10	20	40	5				
				9.0	ML	Gray-brown SILT (ML), bedded, no odor, moist					5	95				
					SM			10	10	10	50	20				
10	PUSH	G3 41	10.0 15.0			- ICE CONTACT DEPOSITS - Brown to orange silty SAND with gravel (SM), bedded, no odor, moist										
					SM	Light brown silty SAND (SM), bedded, no odor, moist					80	20				
					ML	Gray sandy SILT (ML), bedded, no odor, moist				5	20	80				
					SM	Gray-brown silty SAND (SM), bedded, no odor, moist					75	20				
15	PUSH	G4 37	15.0 20.0		SM	Gray-brown silty SAND (SM), bedded, no odor, moist				5	75	20				
					ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
					SM	Gray-brown and orange silty SAND (SM), bedded, no odor, moist				5	75	20				
					ML	Gray (ML), bedded, no odor, moist					35	65				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 20.0 Rock Cored (ft) 0.0 Samples G4 **Boring No. SB-PD-13038**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13039

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 20, 2023
Finish	April 20, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 59	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND with gravel (SM), no structure, no odor, dry, trace asphalt - FILL -	10	10	5	10	50	15				
					SP-SM	Gray-brown poorly-graded SAND with silt (SP-SM), no structure, no odor, dry				5	85	10				
5	PUSH	G2 60	5.0 10.0	6.0	SM	Light brown to orange silty SAND (SM), bedded, no odor, moist, occasional beds of medium sand - ICE CONTACT DEPOSITS -					85	15				
10	PUSH	G3 56	10.0 15.0		SM	Light brown to orange silty SAND (SM), bedded, no odor, moist, occasional beds of medium sand					85	15				
					SP-SM	Light brown to orange poorly-graded SAND with silt (SP-SM), bedded, no odor, moist			10	10	70	10				
					SP	Light brown orange poorly-graded SAND with gravel (SP), no structure, no odor, moist	5	15	10	25	40	5				
15	PUSH	G4 38	15.0 20.0		SP	Light brown orange poorly-graded SAND with gravel (SP), no structure, no odor, moist		15	10	25	45	5				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13039

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13040

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 20, 2023
Finish	April 20, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 54	0.0 5.0	0.5	SP-SM	Gray-brown poorly-graded SAND with silt (SP-SM), no structure, no odor, moist, trace asphalt		10	10	20	50	10				
						- FILL -										
5					SM	Brown to orange silty SAND with gravel (SM), no odor, moist		15			55	30				
	PUSH	G2 58	5.0 10.0	6.0	ML	Dark brown sandy SILT (ML), bedded, no odor, moist					35	65				
					SM				5	10	65	20				
						- ICE CONTACT DEPOSITS - Light brown silty SAND (SM), no structure, no odor, moist										
					SM	Gray-brown silty SAND (SM), no structure, no odor, moist		10	10	15	45	20				
10	PUSH	G3 43	10.0 15.0		ML	Gray sandy SILT (ML), bedded, moist					20	80				
					SM	Gray-brown silty SAND (SM), bedded, no odor, moist				10	75	15				
					SP	Orange to gray-brown poorly-graded SAND with gravel (SP), no structure, no odor, moist		15	20	35	30					
					ML	Gray sandy SILT (ML), bedded, no odor, moist					40	60				
15					SM	Gray-brown silty SAND (SM), bedded, no odor, moist					80	20				
	PUSH	G4 29	15.0 20.0													
					SP-SM	Orange to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, moist		15	20	25	30	10				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13040

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13041

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 20, 2023
Finish	April 20, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0																
	P U S H	G1 39	0.0 5.0	0.5		-CONCRETE-										
					SP-SM	Brown poorly-graded SAND with silt (SP-SM), no structure, no odor, moist, trace asphalt		10	10	10	60	10				
						- FILL -										
5	P U S H	G2 48	5.0 10.0		SM	Brown silty SAND (SM), no structure, no odor, moist, trace asphalt		10	10	15	45	20				
				8.0	SP-SM	Light brown poorly-graded SAND with silt (SP-SM), bedded, no odor, moist, occasional bed of medium sand			5	10	75	10				
						- ICE CONTACT DEPOSITS -										
10	P U S H	G3 36	10.0 15.0		SP	Light brown poorly-graded SAND (SP), bedded, no odor, moist, occasional bed of medium sand			5	15	75	5				
					SP	Light brown poorly-graded SAND (SP), no structure, no odor, moist		15	15	25	45					
15	P U S H	G4 37	15.0 20.0		SP	Gray-brown poorly-graded SAND (SP), bedded, no odor, moist			10	20	65	5				
					ML	Gray sandy SILT (ML), bedded, no odor, moist					40	60				
					SM	Light brown to orange silty SAND (SM), bedded, no odor, moist					85	15				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13041

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13042

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 20, 2023
Finish	April 20, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 59	0.0 5.0	0.5	SM	Brown silty SAND (SM), no structure, no odor, dry - FILL -		10	10	20	45	15				
5	PUSH	G2 60	5.0 10.0		SM	Red-brown silty SAND (SM), no structure, no odor, dry				5	60	35				
					SM	Gray-brown silty SAND (SM), no structure, no odor, dry			5	10	70	15				
				7.5	SM	Gray-brown silty SAND (SM), bedded, no odor, dry - ICE CONTACT DEPOSITS -			10	15	60	15				
10	PUSH	G3 51	10.0 15.0		ML SP	Gray sandy SILT (ML), bedded, no odor, moist Gray-brown to red-brown poorly-graded SAND with gravel (SP), no structure, no odor, moist	10	15	15	25	35 35	65				
15	PUSH	G4 38	15.0 20.0		SP ML SM	Gray-brown to red-brown poorly-graded SAND with gravel (SP), no structure, no odor, moist Olive-brown SILT (ML), bedded, no odor, wet Gray-brown and orange silty SAND (SM), bedded, no odor, wet	10	15	15	25	35 85	 100 15				
					ML SM	Gray sandy SILT (ML), bedded, no odor, moist Gray-brown and orange silty SAND (SM), bedded, no odor, wet					25 80	75 20				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13042

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13044

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 20, 2023
Finish	April 20, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 55	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND (SM), no structure, no odor, moist, trace asphalt - FILL -		10	10	10	55	15				
5	PUSH	G2 51	5.0 10.0		SM	Brown silty SAND (SM), no structure, no odor, moist, trace asphalt		10	10	10	55	15				
				7.0	ML SP	Light brown SILT (ML), bedded, no odor, dry - ICE CONTACT DEPOSITS - Gray-brown poorly-graded SAND (SP), bedded, no odor, dry, occasional beds of medium sand		10	10	20	55	100 5				
10	PUSH	G3 23	10.0 15.0		SP	Gray-brown poorly-graded SAND (SP), bedded, no odor, dry, occasional beds of medium sand		10	20	30	35	5				
15	PUSH	G4	15.0 20.0		SM	Light brown silty SAND (SM), bedded, no odor, dry					85	15				
					ML SM	Gray and orange sandy SILT (ML), bedded, no odor, moist Gray-brown (SM), bedded, no odor, moist			10	20	20 50	80 20				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13044

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13045

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 20, 2023
Finish	April 20, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 60	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND with gravel (SM), no structure, no odor, dry - FILL -	5	10	5	15	50	15				
5	PUSH	G2 60	5.0 10.0		SP	Brown poorly-graded SAND with gravel (SP), no structure, no odor, dry, 5% asphalt	5	10	10	10	60	5				
				7.0	ML	Orange sandy SILT (ML), no structure, no odor, moist				10	30	60				
				8.0	SM	- LOESS - Gray-brown silty SAND (SM), no structure, no odor, moist - ICE CONTACT DEPOSITS -			5	10	70	15				
10	PUSH	G3 53	10.0 15.0		SP-SM	Gray-brown poorly-graded SAND with silt (SP-SM), bedded, no odor, moist, occasional beds of medium sand		5	10	15	60	10				
					SM	Light brown silty SAND (SM), bedded, no odor, moist					85	15				
15	PUSH	G4	15.0 20.0		ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
					SP	Gray-brown to orange poorly-graded SAND with gravel (SP), no structure, no odor, moist	5	15	10	15	55					
					ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
20				20.0	SP	Gray-brown to orange poorly-graded SAND with gravel (SP), no structure, no odor, moist	5	15	10	15	55					
						BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13045

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13046

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 21, 2023
Finish	April 21, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation	
Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 50	0.0 5.0	0.5	SM	Brown silty SAND (SM), no structure, no odor, dry - FILL -		10	10	10	55	15				
					SP	Light brown poorly-graded SAND with gravel (SP), no structure, no odor, dry	5	10	10	10	60	5				
5	PUSH	G2 54	5.0 10.0		SP	Light brown poorly-graded SAND with gravel (SP), no structure, no odor, dry, 5% asphalt	5	10	10	10	60	5				
				7.5	SM	Orange silty SAND (SM), no structure, no odor, moist - ICE CONTACT DEPOSITS -				10	60	30				
					SP-SM	Light brown poorly-graded SAND with silt (SP-SM), bedded, no odor, moist			10	25	55	10				
10	PUSH	G3 57	10.0 15.0		SP-SM	Light brown poorly-graded SAND with silt (SP-SM), bedded, no odor, moist			10	25	55	10				
15	PUSH	G4	15.0 20.0		SP	Gray-brown poorly-graded SAND (SP), bedded, no odor, moist				5	85	10				
					SP	Brown poorly-graded SAND (SP), no odor, moist		10	10	20	55	5				
20					ML	Gray SILT (ML), bedded, wet						100				
				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13046

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13048

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 21, 2023
Finish	April 21, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 38	0.0 5.0	0.5		-CONCRETE-										
					SM	Light brown silty SAND with gravel (SM), no structure, no odor, dry	10	10	10	10	45	15				
						- FILL -										
5	PUSH	G2 55	5.0 10.0		SM	Brown silty SAND with gravel (SM), no structure, no odor, dry	5	10	5	10	55	15				
				7.0	SM	Light brown silty SAND (SM), bedded, no odor, moist				10	70	20				
						- ICE CONTACT DEPOSITS -										
					SM	Gray-brown silty SAND (SM), bedded, no odor, moist			5	10	70	15				
10	PUSH	G3 58	10.0 15.0		SM	Gray-brown silty SAND (SM), bedded, no odor, moist		5	5	10	65	15				
15	PUSH	G4 42	15.0 20.0		ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
					SP-SM	Brown to orange poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, moist	10	15	10	20	35	10				
					ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
					SM	Brown and orange silty SAND (SM), bedded, no odor, moist					80	20				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13048

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY ALDRICH

GEOPROBE REPORT

Boring No. SB-PD-13049

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 21, 2023
Finish	April 21, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 45	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND with gravel (SM), no structure, no odor, moist - FILL -	5	10	10	15	45	15				
				4.5	SM	Brown silty SAND (SM), bedded, no odor, moist		10	10	20	45	15				
5	PUSH	G2 48	5.0 10.0		SM	- ICE CONTACT DEPOSITS - Brown silty SAND (SM), bedded, no odor, moist		5	15	20	45	15				
10	PUSH	G3 51	10.0 15.0		SM	Gray-brown silty SAND (SM), bedded, no odor, moist, occasional beds of medium sand			5	15	65	15				
15	PUSH	G4 40	15.0 20.0		SP	Gray-brown to orange poorly-graded SAND with gravel (SP), no structure, no odor, moist	10	15	15	25	30	5				
20				20.0	ML	Gray SILT (ML), bedded, no odor, moist						100				
						BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13049

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13050

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 21, 2023
Finish	April 21, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 31	0.0 5.0	0.5	SM	Brown silty SAND (SM), no structure, no odor, moist, trace asphalt - FILL -		10	5	10	60	15				
5	PUSH	G2 54	5.0 10.0	6.0	SP-SM	Brown poorly-graded SAND with silt (SP-SM), no structure, no odor, moist - ICE CONTACT DEPOSITS -		5	10	15	60	10				
					SM	Light brown silty SAND (SM), bedded, no odor, moist			5	10	70	15				
10	PUSH	G3 50	10.0 15.0		SM	Gray-brown silty SAND (SM), bedded, no odor, moist, occasional beds of medium sand			5	15	65	15				
15	PUSH	G4 37	15.0 20.0		SP	Gray-brown to orange poorly-graded SAND with gravel (SP), no structure, no odor, moist	10	15	15	25	30	5				
					ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
					SM	Gray-brown silty SAND (SM), bedded, no odor, moist, occasional beds of medium sand			5	15	65	15				
20				20.0	ML	Gray sandy SILT (ML), bedded, no odor, moist					20	80				
						BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13050

Field Tests:
Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13052

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 21, 2023
Finish	April 21, 2023
Driller	T. Kennedy
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 28	0.0 5.0	0.5	SM	Brown silty SAND (SM), no structure, no odor, moist - FILL - Note: Refusal at 1 ft.		5	5	10	60	20				
5	PUSH	G2 42	5.0 10.0		SM	Brown silty SAND (SM), no structure, no odor, moist		10	10	10	55	15				
				8.0	SM	Gray-brown silty SAND (SM), no structure, no odor, moist - ICE CONTACT DEPOSITS -			5	10	70	15				
10	PUSH	G3 51	10.0 15.0		SM	Light brown silty SAND (SM), bedded, no odor, moist, occasional beds of medium sand		5	5	10	65	15				
15	PUSH	G4 38	15.0 20.0		SP	Orange poorly-graded SAND (SP), no structure, no odor, wet			20	40	40					
					ML SP	Gray sandy SILT (ML), bedded, no odor, moist Orange poorly-graded SAND (SP), no structure, no odor, wet		10	25	40	20 25	80				
					ML SM	Gray SILT with sand (ML), bedded, no odor, moist Gray and orange silty SAND (SM), bedded, no odor, wet					10 75	90 25				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13052

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13053

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 24, 2023
Finish	April 24, 2023
Driller	Z. Nader
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 44	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND with gravel (SM), no structure, no odor, moist - FILL - Note: Refusal at 1 ft.	5	10	10	15	45	15				
5	PUSH	G2 60	5.0 10.0		SM	Brown silty SAND with gravel (SM), no structure, no odor, moist, 1 in. layer of asphalt at 7.5 ft	5	10	10	15	45	15				
				7.5	ML	Red-brown sandy SILT (ML), no structure, no odor, moist - ICE CONTACT DEPOSITS -					35	65				
					ML	Red-brown brown sandy SILT (ML), no structure, no odor, moist					45	55				
10	PUSH	G3 48	10.0 15.0		SM	Light brown silty SAND (SM), bedded, no odor, moist				5	70	25				
					SM	Gray-brown silty SAND (SM), bedded, no odor, moist				5	65	30				
15	PUSH	G4 38	15.0 20.0		SP	Orange poorly-graded SAND with gravel (SP), no structure, no odor, wet		15	15	25	40	5				
					ML	Gray SILT with sand (ML), bedded, no odor, moist				5	10	90				
					SM	Gray-brown and orange silty SAND (SM), bedded, no odor, moist					80	15				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 20.0 Rock Cored (ft) 0.0 Samples G4 **Boring No. SB-PD-13053**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13054

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 24, 2023
Finish	April 24, 2023
Driller	Z. Nader
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 40	0.0 5.0	0.5	SM	Brown silty SAND with gravel (SM), no structure, no odor, moist - FILL - Note: Refusal at 1 ft.	5	10	5	10	55	15				
5	PUSH	G2 56	5.0 10.0		SM	Brown silty SAND with gravel (SM), no structure, no odor, moist, trace asphalt	10	10	10	15	35	20				
				7.5	SP-SM	Light brown poorly-graded SAND with silt (SP-SM), no structure, no odor, moist				5	85	10				
10	PUSH	G3 51	10.0 15.0		SP	- ICE CONTACT DEPOSITS - Orange poorly-graded SAND (SP), no structure, no odor, moist			30	60	10					
					ML	Gray SILT (ML), bedded, no odor, moist		15	15	25	40	100 5				
					SP	Orange to gray-brown poorly-graded SAND (SP), bedded, no odor, wet										
					SM	Gray silty SAND (SM), bedded, moist					70	30				
					SP	Gray-brown to orange poorly-graded SAND (SP), bedded, no odor, wet		10	25	40	25					
15	PUSH	G4 37	15.0 20.0		SP	Gray-brown to orange poorly-graded SAND (SP), no structure, no odor, wet			20	50	25	5				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 20.0 Rock Cored (ft) 0.0 Samples G4 **Boring No. SB-PD-13054**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13055

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 24, 2023
Finish	April 24, 2023
Driller	Z. Nader
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 31	0.0 5.0	0.5		-CONCRETE-										
					SM	Brown silty SAND with gravel (SM), no structure, no odor, wet - FILL - Note: Refusal at 1 ft.		10	15	20	40	15				
5	PUSH	G2 46	5.0 10.0													
				7.5	SM	Light brown silty SAND (SM), bedded, no odor, wet, occasional beds of medium-coarse sand - ICE CONTACT DEPOSITS -		5	10	20	50	15				
10	PUSH	G3 54	10.0 15.0		SM	Gray-brown and orange silty SAND (SM), bedded, no odor, wet, occasional beds of coarse sand and gravel				10	70	20				
15	PUSH	G4 35	15.0 20.0		ML	Gray sandy SILT (ML), bedded, no odor, wet					20	80				
					SP	Gray-brown poorly-graded SAND (SP), bedded, no odor, wet			15	40	40	5				
					SM	Gray-brown silty SAND (SM), bedded, no odor, wet					80	20				
					ML	Gray sandy SILT (ML), bedded, no odor, wet					25	75				
20				20.0	SM	Light brown to gray silty SAND (SM), bedded, no odor, wet					80	20				
						BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13055

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13056

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	April 24, 2023
Finish	April 24, 2023
Driller	Z. Nader
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	PUSH	G1 42	0.0 5.0	0.5	SM	Brown silty SAND (SM), no structure, no odor, wet - FILL - Note: Refusal at 1 ft.		10	10	15	50	15				
				4.0	SM	Light brown to orange silty SAND (SM), bedded, no odor, wet - ICE CONTACT DEPOSITS -				10	70	20				
5	PUSH	G2 58	5.0 10.0		SM	Light brown silty SAND (SM), bedded, no odor, wet, occasional beds of coarse-medium sand			5	10	70	15				
10	PUSH	G3 48	10.0 15.0		SM	Gray-brown silty SAND (SM), bedded, no odor, wet				10	70	20				
					SP	Orange and red poorly-graded SAND (SP), no structure, no odor, wet		10	25	55	10					
					SP-SM	Gray-brown and orange poorly-graded SAND with silt (SP-SM), bedded, no odor, wet				25	65	10				
15	PUSH	G4 37	15.0 20.0		SM	Gray and orange silty SAND (SM), bedded, no odor, wet					65	35				
					SP	Gray-brown and orange poorly-graded SAND (SP), bedded, no odor, wet			10	80	10					
					ML	Gray and orange sandy SILT (ML), bedded, no odor, moist					25	75				
					SM	Light brown and orange silty SAND (SM), bedded, no odor, wet					65	35				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13056

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13097

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	May 8, 2023
Finish	May 8, 2023
Driller	J. Beirholm
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 52	0.0 5.0	0.3	SM	-ASPHALT-										
						Brown silty SAND with gravel (SM), no structure, no odor, moist - FILL -	5	10	10	15	45	15				
				3.0	SM	Brown silty SAND (SM), bedded, no odor, moist - ICE CONTACT DEPOSITS -			10	15	60	15				
5	PUSH	G2 48	5.0 10.0		SP	Gray-brown poorly-graded SAND (SP), no structure, no odor, wet		5	10	20	60	5				
10	PUSH	G3 52	10.0 15.0		SP-SM	Gray-brown poorly-graded SAND with silt (SP-SM), no structure, no odor, wet			10	20	60	10				
15	PUSH	G4 44	15.0 20.0		SP-SM	Gray-brown poorly-graded SAND with silt (SP-SM), no structure, no odor, wet		5	10	15	60	10				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13097

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY ALDRICH

GEOPROBE REPORT

Boring No. SB-PD-13098

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	May 8, 2023
Finish	May 8, 2023
Driller	J. Beirholm
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-TOPSOIL-										
	PUSH	G1 53	0.0 5.0	0.4	SM	Brown silty SAND with gravel (SM), no structure, no odor, moist	5	10	10	10	50	15				
				2.0		- FILL -										
					SP-SM	Light brown poorly-graded SAND with silt (SP-SM), no structure, no odor, moist		5	10	15	60	10				
						- ICE CONTACT DEPOSITS -										
5	PUSH	G2 51	5.0 10.0		SM	Light brown silty SAND (SM), no structure, no odor, moist		5	10	10	60	15				
10	PUSH	G3 31	10.0 15.0													
					SM	Red-brown silty SAND (SM), no structure, no odor, moist	5	5	15	20	35	20				
15	PUSH	G4 43	15.0 20.0		SP-SM	Light brown to gray-brown poorly-graded SAND with silt (SP-SM), no structure, no odor, wet		5	10	30	45	10				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 20.0 Rock Cored (ft) 0.0 Samples G4 **Boring No. SB-PD-13098**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13099

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	May 5, 2023
Finish	May 5, 2023
Driller	Z. Nader
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	P U S H	G1 48	0.0 5.0	0.3	SP	-ASPHALT-										
				1.0	ML	Brown poorly-graded SAND (SP), no structure, no odor, wet		10	30	40	20					
						- FILL -					20	80				
						Gray and orange sandy SILT (ML), bedded, no odor, moist										
						- ICE CONTACT DEPOSITS -										
					SP-SM	Gray-brown poorly-graded SAND with silt (SP-SM), bedded, no odor, wet		5	5	10	70	10				
5	P U S H	G2 43	5.0 10.0		SM	Gray-brown silty SAND (SM), bedded, no odor, moist					75	25				
10	P U S H	G3 36	10.0 15.0		ML	Gray-brown to orange sandy SILT (ML), bedded, no odor, moist, occasional beds of fine sand					35	65				
15	P U S H	G4 32	15.0 20.0		SM	Gray-brown silty SAND with gravel (SM), no structure, no odor, wet	15	20	10	10	30	15				
20				20.0	SM	Gray-brown silty SAND (SM), bedded, no odor, moist					75	25				
						BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13099

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY ALDRICH

GEOPROBE REPORT

Boring No. SB-PD-13100

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	May 5, 2023
Finish	May 5, 2023
Driller	Z. Nader
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 48	0.0 5.0	0.3	SP	-ASPHALT-										
					SP	Brown poorly-graded SAND (SP), no structure, no odor, wet		10	30	40	20					
				2.0		- FILL -										
					SP	Brown poorly-graded SAND (SP), bedded, no odor, wet		10	30	40	20					
					SM	- ICE CONTACT DEPOSITS -					70	30				
					ML	Gray-brown silty SAND (SM), bedded, no odor, moist					10	90				
						Gray-brown to Light brown SILT with sand (ML), bedded, no odor, moist										
5	PUSH	G2 44	5.0 10.0		ML	Gray-brown to Light brown SILT (ML), bedded, no odor, moist						100				
					SM	Brown silty SAND (SM), bedded, no odor, wet, occasional beds of coarse-medium sand			5	10	70	15				
10	PUSH	G3 41	10.0 15.0		SM	Light brown and orange silty SAND (SM), bedded, no odor, wet, frequent beds of coarse-medium sand			5	10	70	15				
15	PUSH	G4 39	15.0 20.0		SM	Gray and orange silty SAND (SM), bedded, no odor, wet					70	30				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13100

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13101

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	May 5, 2023
Finish	May 5, 2023
Driller	Z. Nader
H&A Rep.	R. Grad-Kaimal
Elevation Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT-										
	PUSH	G1 43	0.0 5.0	0.3	SP	Brown poorly-graded SAND (SP), no structure, no odor, wet		10	30	40	20					
				1.0	SP-SM	- FILL - Light brown poorly-graded SAND with silt (SP-SM), bedded, no odor, moist		5	5	10	70	10				
						- ICE CONTACT DEPOSITS -										
					SM	Dark brown silty SAND (SM), no structure, no odor, moist		5	10	15	50	20				
5	PUSH	G2 40	5.0 10.0		SM	Dark brown silty SAND (SM), no structure, no odor, moist		5	10	15	50	20				
					SM	Light brown to orange silty SAND (SM), no structure, no odor, moist		5	10	15	55	15				
10	PUSH	G3 35	10.0 15.0		SP	Brown poorly-graded SAND (SP), no structure, no odor, moist	5	15	20	45	15					
15	PUSH	G4 30	15.0 20.0		SP	Brown poorly-graded SAND (SP), no structure, no odor, moist		5	20	50	25					
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (ft)	20.0
Rock Cored (ft)	0.0
Samples	G4

Boring No. SB-PD-13101

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE REPORT

Boring No. SB-PD-13102

Project	NUCLEAR METALS INC, CONCORD
Client	DE MAXIMIS INC
Contractor	NORTHERN DRILL SERVICE, INC.

File No.	131884-003
Sheet No.	1 of 1
Start	May 5, 2023
Finish	May 5, 2023
Driller	Z. Nader
H&A Rep.	R. Grad-Kaimal
Elevation	
Datum	NGVD29
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G	-	Rig Make & Model: 6620 DT
Inside Diameter (in.)		1.5	-	Bit Type: Cutting Head
Hammer Weight (lb)		AUTO	-	Drill Mud: None
Hammer Fall (in.)		-	-	Casing: Push
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model:

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1 48	0.0 5.0	0.3	SP	-ASPHALT-										
					SP	Brown poorly-graded SAND (SP), no structure, no odor, wet - FILL -		10	30	40	20					
				3.0	SM	Light brown silty SAND (SM), bedded, no odor, wet - ICE CONTACT DEPOSITS -				5	75	20				
5	PUSH	G2 42	5.0 10.0													
					SM	Brown and orange silty SAND (SM), no structure, no odor, wet			15	20	45	20				
10	PUSH	G3 43	10.0 15.0													
					SM	Brown and orange silty SAND (SM), no structure, no odor, wet			10	25	50	15				
15	PUSH	G4 38	15.0 20.0		ML	Gray and orange SILT (ML), bedded, no odor, moist					5	95				
					ML	Gray and orange sandy SILT (ML), bedded, no odor, moist					15	85				
					ML	Gray and orange SILT (ML), bedded, no odor, moist						100				
					SP-SM	Gray-brown to orange poorly-graded SAND with silt (SP-SM), no structure, no odor, wet		10	20	35	25	10				
20				20.0		BOTTOM OF EXPLORATION 20.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 20.0 Rock Cored (ft) 0.0 Samples G4 **Boring No. SB-PD-13102**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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ATTACHMENT B
Radiation Screening for Soil and Groundwater Samples Memo

MEMO

To: Alpha Analytical Laboratories

From: Matt Norton CIH CSP

Date: June 7, 2022

Subject: Radiation Screening for Soil and Groundwater Samples from the NMI Superfund Site

Decontamination Decommissioning and Environmental Services LLC (DDES) provides Health Physics and Radiation Protection Program support for the Nuclear Metal Inc. (NMI) Superfund Site in Concord, Massachusetts (Site). As part of these services, our staff radiologically screen all soil and water samples generated from the site for radioactivity prior to shipment. Each sample container is surveyed for depleted uranium (U-238) regardless of which laboratory is designated to receive them. This process will prevent the accidental shipment of radioactive environmental samples to a laboratory without a Radioactive Materials License. We know that Alpha Analytical does not possess a Radioactive Materials License, and as such, will not receive radioactive samples from the Site.

Please let us know if you have any questions or concerns.