Addendum No. 4 to

Master Work Plan/Field Sampling and Analysis Plan, Co-Located Chemical Sampling at Area IV Santa Susana Field Laboratory, Ventura County, California

EPA Subarea 5D North Soil Sampling

Prepared for:

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Introduction

This document supports the field implementation of the soil sampling program addressed in the *Master Work Plan (WP)/Field Sampling and Analysis Plan (FSAP), Co-Located Chemical Sampling at Area IV, Santa Susana Field Laboratory* (Master WP/FSAP, CDM 2011). The Master WP/FSAP dictates the field sampling, analytical, quality control, and data review procedures for the collection and chemical analysis of soil samples within Area IV of the Santa Susana Field Laboratory (SSFL) and the Northern Buffer Zone (NBZ), collectively termed the Area IV study area. As part of a radiological characterization study, the United States Environmental Protection Agency (EPA) is collecting surface and subsurface soil samples throughout Area IV of SSFL and the NBZ for the presence of radioactive elements (radionuclides). The California Department of Toxic Substances Control (DTSC) and Department of Energy (DOE) requested that soil collected by EPA also be analyzed for chemical analytes. DTSC and DOE agreed that the chemical sampling be done by DOE's contractor, CDM Federal Programs Corporation (CDM).

Purpose of Addendum

This addendum documents the rationale for the location of surface and subsurface chemical soil samples to be collected during Phase I of soil sampling within Subarea 5D North as presented in EPA's *Subarea 5D North FSP Addendum, Santa Susana Field Laboratory Site, Area IV Radiological Study,* (HGL 2011). Phase I soil sampling is based on EPA's Historical Site Assessment (HSA) of Subarea 5D North (that also included a gamma survey, geophysical survey, and review of prior data) with sample locations selected by EPA to address concerns identified in the HSA. Phase II chemical sampling, which is not covered by this Addendum, will involve further chemical and radionuclide characterization "step-out" samples. The need for chemical "step-out" samples will be determined on a case-by-case basis following a review of all chemical data collected for Area IV.

Under the co-located soil sampling program, EPA and its consultant HydroGeoLogic, Inc. (HGL) will physically collect the soil material. CDM personnel will be responsible for the sample container preparation, sample handling and documentation, sample shipment, laboratory procurement, chemical analyses of the samples, and chemical data review. Co-located soil samples collected by CDM will be analyzed for chemical analytes as stipulated in Table 4-1 (Data Quality Objectives) and Table 6-1 (Analytical Methods, Containers, Preservatives, and Holding Times) of the Master WP/FSAP (CDM 2011).

Figure 1 is a layout of EPA's Subarea 5D North. The proposed sample locations are shown on Figures 2 through 4, which were taken from EPA's Subarea 5D-North FSP Addendum (HGL 2011). EPA's description and rationale for the soil sample locations in Subarea 5D North are summarized in Table 1.

De-Selection of Locations for Chemical Sampling

EPA's identified sample locations are based on radiological sampling needs as determined by EPA, and not on chemical sampling needs. The sampling protocol for targeting the depths of soil samples for chemical analyses are illustrated in Figures 5-1 and 5-2 of the Master WP/FSAP.

Soil samples for chemical analyses will not be collected from all locations identified in Subarea 5D North by EPA for radionuclide analyses. Portions of the Subarea 5D North study area that have been subject to prior investigations under the RFI include the:

- Rockwell International Hot Lab (Building 4020)
- Southern Portion of DOE Leach Field 3 site (includes Buildings 4055, 4373, 4363, 4353, and surrounding areas)
- Pond Dredge Area.

A few locations have adequate data for use in determining the need for a soil cleanup action. Locations with adequate data were discussed with DTSC personnel on April 25, 2011 and DOE and DTSC jointly de-selected HGL sample locations for chemical sample collection using the following three "Sample/No Sample" decision criteria.

SCENARIO 1. "CLEARLY CONTAMINATED" AREA THAT WILL REQUIRE CLEANUP DISCRETIONARY SAMPLING CRITERIA

The potential discretionary decision is to not collect chemical samples at some EPA locations where sufficient chemical data already exist to define the area as one that is clearly contaminated and will likely be remediated. Co-located sampling will still be conducted near the areas, as needed, to adequately define extent of contamination.

a. "Clearly contaminated" are those areas that have been previously sampled and sampling results show detected chemical concentrations that obviously exceed current background and/or Method Reporting Limits (MRLs)

b. There are a high frequency and number of chemical constituents that exceed background and MRLs

c. DOE agrees to cleanup of contaminated area.

SCENARIO 2. HIGH DENSITY RADIOLOGICAL SAMPLING AREA DUE TO ELEVATED GAMMA SURVEY RESULTS DISCRETIONARY SAMPLING CRITERIA

Potential discretionary decision: do not collect chemical samples at some EPA locations so that sample spacing is consistent with the RFI approach (approximately 50 to 100 feet).



a. No known and/or identified chemical operations and/or releases (subject to field observations)

b. Non-point source, no preferential pathways identified, open/flat area

c. Site is sufficiently distant from known potential chemical sources.

SCENARIO 3. HIGH DENSITY RADIOLOGIC SAMPLING OF HISTORIC FEATURES DISCRETIONARY SAMPLING CRITERIA

Potential discretionary decision: using professional judgment, do not collect chemical samples at some EPA locations so that sample spacing is consistent with the RFI approach.

a. Feature has known chemical and/or radiologic impacts, and/or identified data gaps

b. Targeted sampling density should be based on feature characteristics and historical use (e.g., holdup tanks, septic tanks, sumps, test areas, etc.).

The logic and rationale for discretionary de-selection of co-located sample locations for Subarea 5D North was discussed with the community stakeholders on May 5, 2011. The criterion for each agreed-upon de-selected co-located sampling location is also noted in Table 1.

Reduction of Analytes for Chemical Sampling

During the March 9, 2011 Technical Work Group meeting, DOE discussed with the stakeholders a proposal to modify the secondary analytical suite (i.e., those analyses performed on soil samples collected from areas with a process history of specific chemical usage, elevated field instrument readings, visually contaminated materials, or at locations of waste or fill) at locations where there is sufficient chemical analytical information known to warrant such a reduction. Inputs to reduction of the secondary analytical suite include:

- recent HSA sampling results indicate that many chemicals on the secondary analyte list have been rarely detected
- previous RFI sampling results, and
- DTSC comments and public input on RFI and EPA documents

Rationale for reduction of the secondary analyte list was developed taking into consideration historic operations at the site, proximity of the operation to the sample location, EPA rationale and targeted feature(s), and likelihood of multiple sources or pathways that may have contributed to contamination in the area.

All chemical co-located samples collected within Subarea 5D North will be analyzed for the primary suite. Locations where secondary analyses will be reduced are:

Within the southern portion of DOE Leach Field 3 site:

- Samples collected from locations 74, 77 through 85 and 88, and 206 will be analyzed for all primary analytes and energetics only from the secondary analyte list, since use and storage of energetics at Buildings 4373 and 4374 have been documented.
- Samples collected from locations 100, 114, and 115 will be analyzed for primary analytes and NMDA only from the secondary analyte list, based on elevated detections in previous RFI sampling results.

These reductions in the secondary suite of analyses are also noted in Table 1. All secondary analytes will be included if field conditions are indicative of potential impacts (e.g., odor, staining, or elevated measurement of volatile organic vapors).

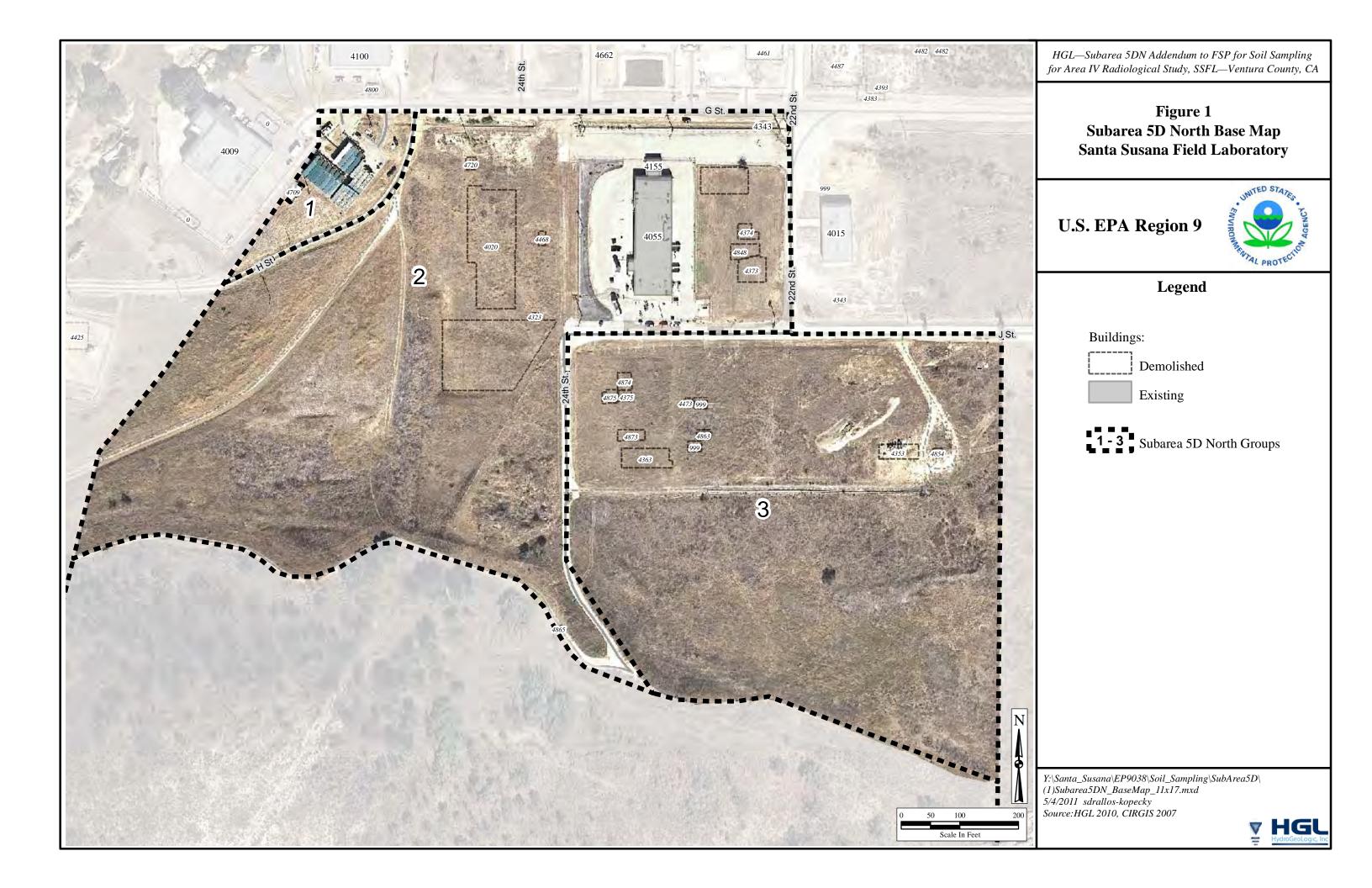
Schedule

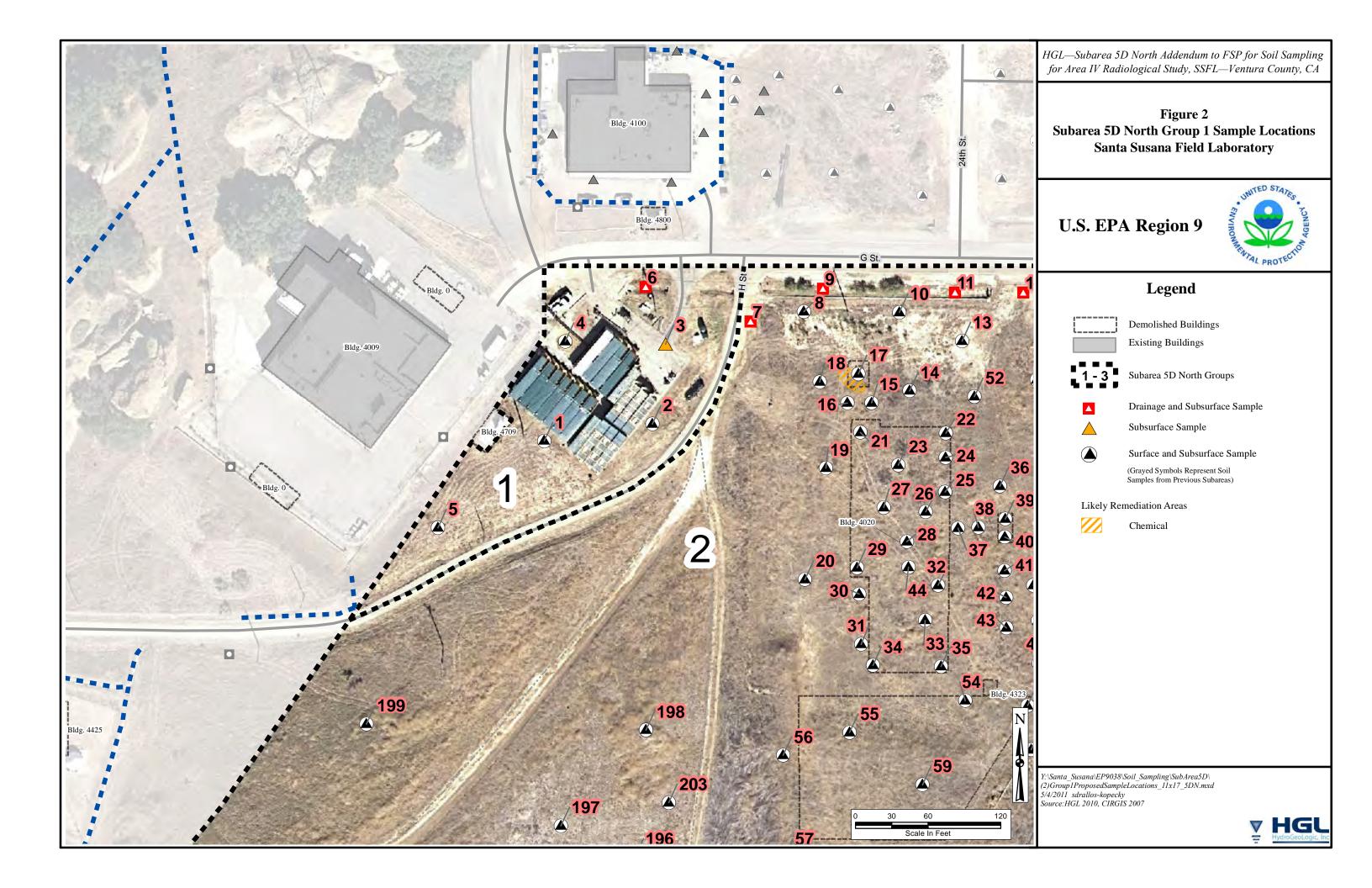
EPA is scheduled to initiate soil sampling within Subarea 5D North mid-May 2011 with the collection of surface soil samples identified in Table 1. Collection of subsurface samples is schedule to begin the last week of May 2011 following completion of soil boring sampling within Subarea 8N.

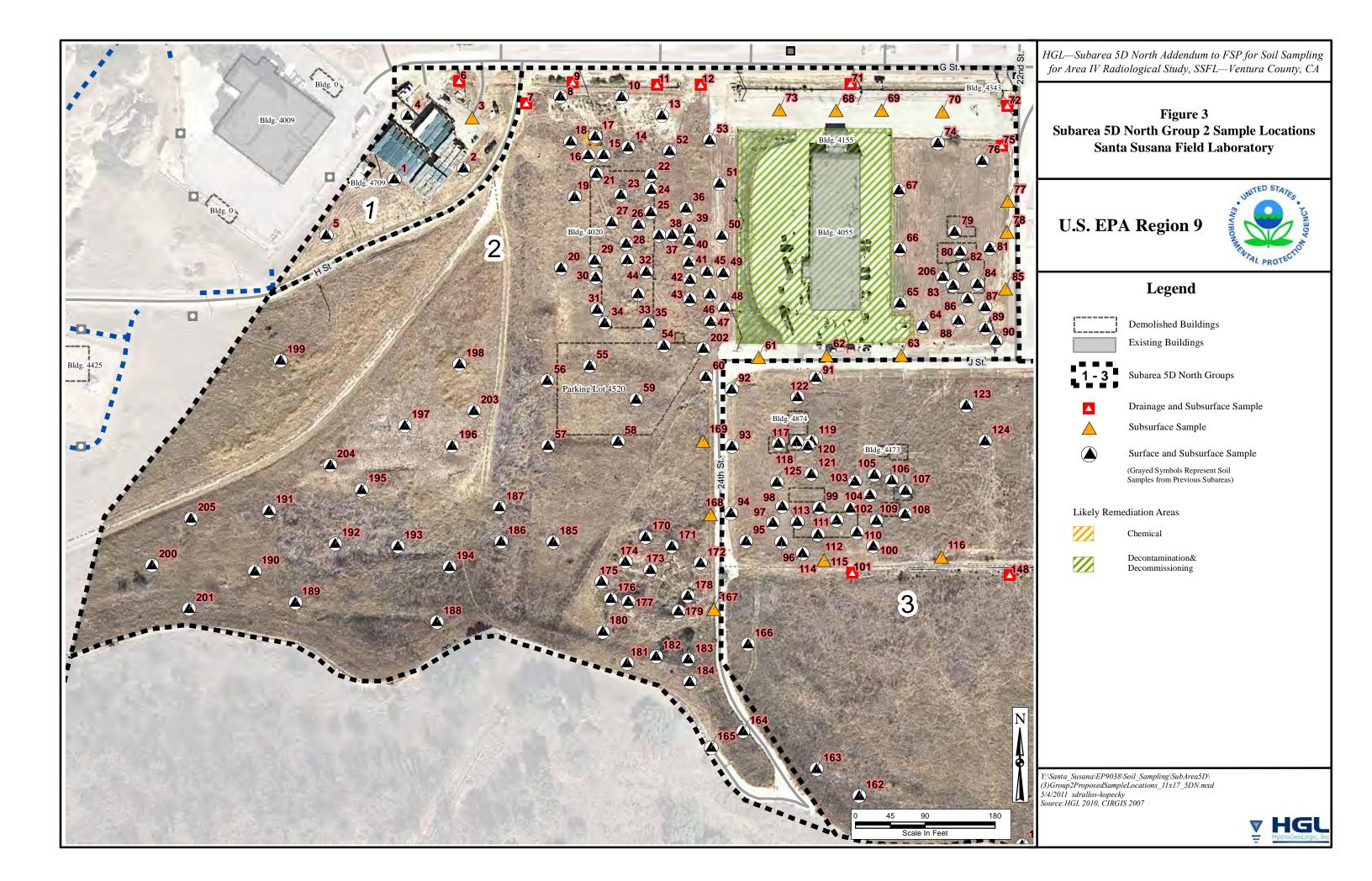
References

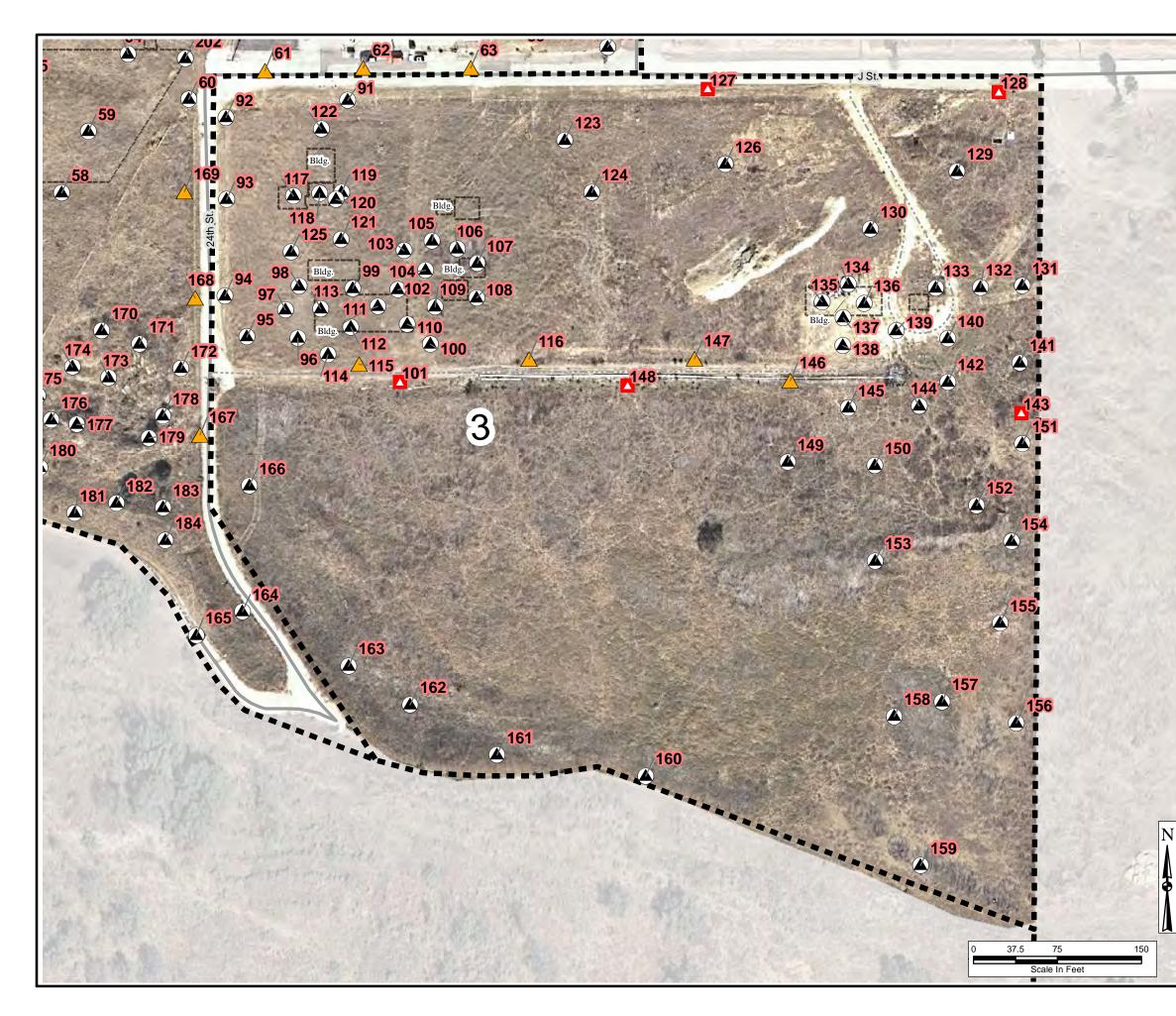
- CDM Federal Programs Corporation (CDM). 2011. Master Work Plan/Field Sampling and Analysis Plan Co-Located Chemical Sampling at Area IV, Santa Susana Field Laboratory, Ventura County, California. February 16.
- HydroGeoLogic, Inc. 2011. Subarea 5D North FSP Addendum, Santa Susana Field Laboratory Site, Area IV Radiological Study, Santa Susana Field Laboratory. May 5.

FIGURES









HGL—Subarea 5D North Addendum to FSP for Soil Sampling for Area IV Radiological Study, SSFL—Ventura County, CA Figure 4 Subarea 5D North Group 3 Sample Locations Santa Susana Field Laboratory TED STA U.S. EPA Region 9 PRO Legend Demolished Buildings Existing Buildings Subarea 5D North Groups Drainage and Subsurface Sample Subsurface Sample \wedge Surface and Subsurface Sample (Grayed Symbols Represent Soil Samples from Previous Subareas) Y:\Santa_Susana\EP9038\Soil_Sampling\SubArea5D\ (4)Group3ProposedSampleLocations_11x17_5DN.mxd 5/4/2011_sdrallos-kopecky Source:HGL 2010, CIRGIS 2007

TABLE

| Grouping | Somple Type | L contion II | | Technical Institution | Apolyton | Co. Located Chemical Sample Batispale |
|--------------------|-------------|--------------|---|---|---------------------|--|
| | Sample Type | Location II | | Technical Justification | Analytes | Co-located Chemical Sample Rationale |
| Group 1 | Surface | 1 | Southwest edge of Parking Lot 4509. | Characterize radiological contamination from historical spills from containers stored on parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Subsurface | 1 | Southwest edge of Parking Lot 4509. | Characterize radiological contamination from historical spills from containers stored on parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Surface | 2 | Southeast edge of Parking Lot 4509. | Characterize radiological contamination from historical spills from containers stored on parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Subsurface | 2 | Southeast edge of Parking Lot 4509. | Characterize radiological contamination from historical spills from containers stored on parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Subsurface | 3 | Northeast side of Parking Lot 4509. | Characterize radiological contamination from historical spills from containers stored on parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Surface | 4 | Northwest edge of Parking Lot 4509. | Characterize radiological contamination from historical spills from containers stored on parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Subsurface | 4 | Northwest edge of Parking Lot 4509. | Characterize radiological contamination from historical spills from containers stored on parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Surface | 5 | Southwest of Parking Lot 4509. | Aerial Photo Feature, "Excavation". | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Subsurface | 5 | Southwest of Parking Lot 4509. | Aerial Photo Feature, "Excavation". | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Drainage | 6 | Northeast of Parking Lot 4509, in ditch on south side of G Street. | Potential radiological contamination in soil/sediment originating from former Building 4020. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 1 | Subsurface | 6 | Northeast of Parking Lot 4509, in ditch on south side of G Street. | Potential radiological contamination in soil/sediment originating from former Building 4020. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 2 | Drainage | 7 | East of Parking Lot 4509, in ditch west side of Water Tower Rd. | Characterize potential radiological contamination in soil/sediment originating from Parking Lot 4509. | Primary | Primary suite only due to distance from historical operations. |
| Group 2 | Subsurface | 7 | East of Parking Lot 4509, in ditch west side of Water Tower Rd. | Characterize potential radiological contamination in soil/sediment originating from Parking Lot 4509. | Primary | Primary suite only due to distance from historical operations. |
| Group 2 | Surface | 8 | North of former Building 4020, in former parking lot. | Aerial Photo Feature, "Possible Open Storage" and proximity to former Building 4020. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 2 | Subsurface | 8 | North of former Building 4020, in former parking lot. | Aerial Photo Feature, "Possible Open Storage" and proximity to former Building 4020. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 2 Group 2 | Drainage | 9 | Ditch on the south side of G Street, north of former Building 4020. | Characterize surface water run-off from activities associated with former Building 4020 and parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| | • | - | | | | |
| Group 2 | Subsurface | 9 | Ditch on the south side of G Street, north of former Building 4020. | Characterize surface water run-off from activities associated with former Building 4020 and parking lot. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 2 | Surface | 10 | North of former building 4020. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 2 | Subsurface | 10 | North of former building 4020. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 2 | Drainage | 11 | North of former Building 4020, in ditch on south side of G Street. | Characterize potential radiological contamination in soil/sediment originating from former Building 4020. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 2 | Subsurface | 11 | North of former Building 4020, in ditch on south side of G Street. | Characterize potential radiological contamination in soil/sediment originating from former Building 4020. | Primary | Primary suite only due to distance from historical operations and no known chemical use. |
| Group 2 | Drainage | 12 | In ditch south side of G Street, northwest of former Building 4020. | Investigate potential residual radiological contamination associated with Incident A0016. | Primary & Secondary | Secondary suite added due to location in approximate spill pathway. |
| Group 2 | Subsurface | 12 | In ditch south side of G Street, northwest of former Building 4020. | Investigate potential residual radiological contamination associated with Incident A0016. | Primary & Secondary | Secondary suite added due to location in approximate spill pathway. |
| Group 2 | Surface | 13 | North of former Building 4020. | Investigate potential residual radiological contamination associated with Incident A0016. | Primary & Secondary | Secondary suite added due to location in approximate spill pathway. |
| Group 2 | Subsurface | 13 | North of former Building 4020. | Investigate potential residual radiological contamination associated with Incident A0016. | Primary & Secondary | Secondary suite added due to location in approximate spill pathway. |
| Group 2 | Surface | 14 | North of former Building 4020. | Investigate potential residual radiological contamination associated with Incident A0016. | Primary & Secondary | Secondary suite added due to location in approximate spill pathway. |
| Group 2 | Subsurface | 14 | North of former Building 4020. | Investigate potential residual radiological contamination associated with Incident A0016. | Primary & Secondary | Secondary suite added due to location in approximate spill pathway. |
| Group 2 | Surface | 15 | North side of former Building 4020. | Former location of fission tanks. | Primary & Secondary | Secondary suite added due to location at former fission tanks. |
| Group 2 | Subsurface | 15 | North side of former Building 4020. | Former location of fission tanks. | Primary & Secondary | Secondary suite added due to location at former fission tanks. |
| Group 2 | Surface | 16 | North side of former Building 4020. | Former location of fission tanks. | Primary & Secondary | Secondary suite added due to location at former fission tanks. |
| Group 2 Group 2 | Subsurface | 16 | | Former location of fission tanks. | | |
| | | | North side of former Building 4020. | | Primary & Secondary | Secondary suite added due to location at former fission tanks. |
| Group 2 | Surface | 17 | North of former Building 4020. | Potential migration of contamination from the former Fission Gas Tanks. | Primary | Primary suite only to delineate PCBs detects related to transformer. |
| Group 2 | Subsurface | 17 | North of former Building 4020. | Potential migration of contamination from the former Fission Gas Tanks. | Primary | Primary suite only to delineate PCBs detects related to transformer. |
| Group 2 | Surface | 18 | North side of former Building 4020. | Downgradient of the Fission Tank excavation pit. Geophysical Anomaly, "Conductivity". | Primary & Secondary | Secondary suite added due to location in area of potential chemical disposal area. |
| Group 2 | Subsurface | 18 | North side of former Building 4020. | Downgradient of the Fission Tank excavation pit. Geophysical Anomaly, "Conductivity". | Primary & Secondary | Secondary suite added due to location in area of potential chemical disposal area. |
| Group 2 | Surface | 19 | West of former Building 4020 'Hot Lab" footprint. | Geophysical Anomaly, "Conductivity". Aerial photo feature, "Possible Open Storage". 4020 leach field | Primary & Secondary | Secondary suite added due to location adjacent to doorways of Building 4020. |
| Group 2 | Subsurface | 19 | West of former Building 4020 'Hot Lab" footprint. | Geophysical Anomaly, "Conductivity". Aerial photo feature, "Possible Open Storage". 4020 leach field | Primary & Secondary | Secondary suite added due to location adjacent to doorways of Building 4020. |
| Group 2 | Surface | 20 | West of former Building 4020 'Hot Lab" footprint. | Geophysical Anomaly, "Conductivity". Aerial photo feature, "Possible Open Storage". | Primary & Secondary | Secondary suite added due to location at spill behind the Building 4020 loading dock. |
| Group 2 | Subsurface | 20 | West of former Building 4020 'Hot Lab" footprint. | Geophysical Anomaly,"Conductivity". Aerial photo feature, "Possible Open Storage". | Primary & Secondary | Secondary suite added due to location at spill behind the Building 4020 loading dock. |
| Group 2 | Surface | 21 | Northwest corner of former Building 4020 'Hot Lab" footprint. | Investigate the potential for radiological release through cracks in the foundation of former Building 4020 'Hot Lab''. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface | 21 | Northwest corner of former Building 4020 'Hot Lab" footprint. | Investigate the potential for radiological release through cracks in the foundation of former Building 4020 'Hot Lab'. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Surface | 22 | Northeast corner of former Building 4020 'Hot Lab" footprint. | Location of former 500 gallon waste hold up tanks. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 Group 2 | Subsurface | 22 | Northeast corner of former Building 4020 'Hot Lab" footprint. | Location of former 500 gallon waste hold up tanks. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 Group 2 | Surface | 23 | North central portion of former Building 4020 'Hot Lab" footprint. | Geophysical Anomaly, "Magnetometer". Possible residual contamination from former radioactive waste hold up tanks in the basement. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 Group 2 | Subsurface | 23 | North central portion of former Building 4020 Hot Lab Tootprint. | Geophysical Anomaly, "Magnetometer". Possible residual contamination from former radioactive waste hold up tanks in the basement. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| | | 23 | | Possible residual contamination from former radioactive waste hold up tanks in the basement. Geophysical Anomaly, "Conductivity". | | |
| Group 2 | Surface | | Northeast corner of former Building 4020 'Hot Lab" footprint. | | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface | 24 | Northeast corner of former Building 4020 'Hot Lab" footprint. | Possible residual contamination from former radioactive waste hold up tanks in the basement. Geophysical Anomaly, "Conductivity". | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Surface | 25 | Northeast corner of former Building 4020 'Hot Lab" footprint. | Possible residual contamination from former 500 gallon radioactive waste hold up tanks in the basement. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface | 25 | Northeast corner of former Building 4020 'Hot Lab" footprint. | Possible residual contamination from former 500 gallon radioactive waste hold up tanks in the basement. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Surface | 26 | North central portion of former Building 4020 'Hot Lab" footprint. | Location of former sump underneath Hot Cell #4. Geophysical Anomaly, "Magnetometer". | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface | 26 | North central portion of former Building 4020 'Hot Lab" footprint. | Location of former sump underneath Hot Cell #4. Geophysical Anomaly, "Magnetometer". | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Surface | 27 | North central portion of former Building 4020 'Hot Lab" footprint. | Geophysical Anomaly, "Conductivity and Magnetometer". | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface | 27 | North central portion of former Building 4020 'Hot Lab" footprint. | Geophysical Anomaly, "Conductivity and Magnetometer". | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Surface | 28 | Central portion of former Building 4020 footprint. | Historical data | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface | 28 | Central portion of former Building 4020 footprint. | Historical data | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Surface | 29 | West portion of former Building 4020 footprint | Investigate the potential for radiological release through cracks in the foundation of former Building 4020 'Hot Lab'. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface | 29 | West portion of former Building 4020 footprint | Investigate the potential for radiological release through cracks in the foundation of former Building 4020 'Hot Lab'. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 Group 2 | Surface | 30 | Southwest portion of former Building 4020 footprint. | Loading dock area of former Building 4020. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 Group 2 | Subsurface | 30 | Southwest portion of former Building 4020 footprint. | Loading dock area of former Building 4020. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| | | | | | | |
| Group 2 Group 2 | Surface | 31 | Southwest portion of former Building 4020 footprint. | Loading dock area of former Building 4020. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| | Subsurf ace | 31 | Southwest portion of former Building 4020 footprint. | Loading dock area of former Building 4020. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |

| Crowning | Sample Turne | L oootion II | | Technical Institication | Anglitan | On located Oberrian Orania Detionals |
|--------------------|------------------------|--------------|---|--|--|---|
| Group 2 | Sample Type Surface | 32 | D Location Description Southeast portion of former Building 4020 footprint. | Technical Justification Geophysical Anomaly, "Magnetometer". Footprint of former Building 4020. | Analytes Primary & Secondary | Co-located Chemical Sample Rationale Secondary suite added due to location within Building 4020 footprint. |
| Group 2 Group 2 | Subsurface | 32 | Southeast portion of former Building 4020 footprint. | Geophysical Anomaly, "Magnetometer". Footprint of former Building 4020. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| | Subsurface | 33 | Southern portion of former Building 4020 footprint. | Location of basement sump under Hot Cell #1. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 Group 2 | Subsurface | 33 | Southern portion of former Building 4020 footprint. | Location of basement sump under Hot Cell #1. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| | Surface | 34 | | | | |
| Group 2 | Subsurface | 34 | Southwest corner of former Building 4020. | Investigate the potential for radiological release through cracks in the foundation of former Building 4020 'Hot Lab''. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | | 35 | Southwest corner of former Building 4020. | Investigate the potential for radiological release through cracks in the foundation of former Building 4020 'Hot Lab'. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Surface | 35 | Southeast corner of former Building 4020 footprint. | Investigate the potential for radiological release through cracks in the foundation of former Building 4020 'Hot Lab'. Investigate the potential for radiological release through cracks in the foundation of former Building 4020 'Hot Lab'. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface Surface | 36 | Southeast corner of former Building 4020 footprint. | Potential migration of contamination from the 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 Group 2 | Subsurface | 36 | East of former Building 4020 footprint. | | Primary & Secondary Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| | | | East of former Building 4020 footprint. | Potential migration of contamination from the 3000 gallon holdup tank. | | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface Subsurface | 37 37 | East side of former Building 4020 footprint. | Former location of a radioactive waste pipeline to the 3000 gallon holdup tank. | Primary & Secondary Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | | | East side of former Building 4020 footprint. | Former location of a radioactive waste pipeline to the 3000 gallon holdup tank. | | |
| Group 2 | Surface | 38 | East side of former Building 4020 footprint. | Former location of a radioactive waste pipeline to the 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 38 | East side of former Building 4020 footprint. | Former location of a radioactive waste pipeline to the 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 39 | East side of former Building 4020 footprint. | Former location of a radioactive waste 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 39 | East side of former Building 4020 footprint. | Former location of a radioactive waste 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 40 | East side of former Building 4020 footprint. | Former location of a radioactive waste 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 40 | East side of former Building 4020 footprint. | Former location of a radioactive waste 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 41 | East side of former Building 4020 footprint. | Location of former leach pits and leach field. Aerial Photo feature, "Open Storage". | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 41 | East side of former Building 4020 footprint. | Location of former leach pits and leach field. Aerial Photo feature, "Open Storage". | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 42 | East side of former Building 4020 footprint. | Location of former leach pits and leach field. Aerial Photo feature, "Open Storage". | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 42 | East side of former Building 4020 footprint. | Location of former leach pits and leach field. Aerial Photo feature, "Open Storage". | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 43 | East side of former Building 4020 footprint. | Location of former leach pits and leach field. Aerial Photo feature, "Open Storage". | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 43 | East side of former Building 4020 footprint. | Location of former leach pits and leach field. Aerial Photo feature, "Open Storage". | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 44 | Center portion of former Building 4020 footprint. | Geophysical Anomaly, "Magnetometer". Potential for radiological release through cracks in the foundation of former Building 4020. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Subsurface | 44 | Center portion of former Building 4020 footprint. | Geophysical Anomaly, "Magnetometer". Potential for radiological release through cracks in the foundation of former Building 4020. | Primary & Secondary | Secondary suite added due to location within Building 4020 footprint. |
| Group 2 | Surface | 45 | East of former Building 4020 footprint. | Historical Data | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 45 | East of former Building 4020 footprint. | Historical Data | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 46 | East of former Building 4020 footprint. | Drain line from former leach pits and septic tank to ditch. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 46 | East of former Building 4020 footprint. | Drain line from former leach pits and septic tank to ditch. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 47 | East of former Building 4020 footprint. | Drain line from former leach pits and septic tank to ditch. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Subsurface | 47 | East of former Building 4020 footprint. | Drain line from former leach pits and septic tank to ditch. | Primary & Secondary | Secondary suite added due to location within or adjacent to waste features. |
| Group 2 | Surface | 48 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch and from leach pit and leach field. | Primary | Primary suite only since downgradient from proposed sample locations. |
| Group 2 | Subsurface | 48 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch and from leach pit and leach field. | Primary | Primary suite only since downgradient from proposed sample locations. |
| Group 2 | Surface | 49 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch and from leach pit and leach field. | Primary | Primary suite only since downgradient from proposed sample locations. |
| Group 2 | Subsurface | 49 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch and from leach pit and leach field. | Primary | Primary suite only since downgradient from proposed sample locations. |
| Group 2 | Surface | 50 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch and from 3000 gallon holdup tank. | Primary | Primary suite only since downgradient from proposed sample locations. |
| Group 2 | Subsurface | 50 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch and from 3000 gallon holdup tank. | Primary | Primary suite only since downgradient from proposed sample locations. |
| Group 2 | Surface | 51 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch and from 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added to address potential chemical releases described in Tech Memo (p. 37). |
| Group 2 | Subsurface | 51 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch and from 3000 gallon holdup tank. | Primary & Secondary | Secondary suite added to address potential chemical releases described in Tech Memo (p. 37). |
| Group 2 | Surface | 52 | Northeast of former Building 4020 footprint. | Geophysical Anomaly, "Conductivity". | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 52 | Northeast of former Building 4020 footprint. | Geophysical Anomaly, "Conductivity". | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 53 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch. | Primary | Primary suite only since downgradient from proposed sample locations. |
| Group 2 | Subsurface | 53 | East of former Building 4020 footprint, along former 24th Street. | Potential contamination in the former ditch. | Primary | Primary suite only since downgradient from proposed sample locations. |
| Group 2 | Surface | 54 | Northeast corner of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 54 | Northeast corner of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 55 | Northwest portion of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 55 | Northwest portion of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 56 | West side of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 56 | West side of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 57 | Southwest corner of the 4020 Parking Lot | Stakeholder Request - Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 57 | Southwest corner of the 4020 Parking Lot | Stakeholder Request - Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 58 | South edge of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 58 | South edge of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 59 | Center portion of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. Geophysical Anomaly, "Conductivity". | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 59 | Center portion of former Parking Lot 4520. | Staging area for the D&D of former Building 4020. Geophysical Anomaly, "Conductivity". | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 60 | Drainage ditch southeast of former Building 4020. | The ditch received surface water from former building 4020 and from former Parking Lot 4520. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 60 | Drainage ditch southeast of former Building 4020. | The ditch received surface water from former building 4020 and from former Parking Lot 4520. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 61 | South of Building 4055. | Potential radiological contamination from activities associated with Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 62 | South of Building 4055. | Potential radiological contamination from activities associated with Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 63 | Southeast of Building 4055. | Potential migration of radiological contaminants from the Building 4055 waste holdup system. | Primary & Secondary | Secondary suite added since locations target waste features. |
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| Crouping | Comple Tune | L oootion II | | Tashalan lusifiation | Analytan | Collected Obervied Servels Defineds |
|----------|-------------|---------------|---|--|----------------------|---|
| | SampleType | | - | Technical Justification | Analytes | Co-located Chemical Sample Rationale |
| Group 2 | Surface | 64 | Southeast of Building 4055. | Potential migration of radiological contaminants from the Building 4055 waste holdup system. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 2 | Subsurface | 64 | Southeast of Building 4055. | Potential migration of radiological contaminants from the Building 4055 waste holdup system. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 2 | Surface | 65 | East of Building 4055. | Potential migration of radiological contamination from the 4055 waste holdup tank system and pipeline. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 2 | Subsurface | 65 | East of Building 4055. | Potential migration of radiological contamination from the 4055 waste holdup tank system and pipeline. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 2 | Surface | 66 | East of Building 4055. | Potential migration of radiological contamination from the 4055 waste holdup tank system and pipeline. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 2 | Subsurface | 66 | East of Building 4055. | Potential migration of radiological contamination from the 4055 waste holdup tank system and pipeline. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 2 | Surface | 67 | East of Building 4055. | Potential migration of radiological contamination from the 4055 waste holdup tank system and pipeline. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 2 | Subsurface | 67 | East of Building 4055. | Potential migration of radiological contamination from the 4055 waste holdup tank system and pipeline. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 2 | Subsurface | 68 | Parking Lot on the north side of Building 4055. | Potential radiologic contamination from activities associated with Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 69 | Parking Lot on the north side of Building 4055. | Potential radiological contamination associated with activities conducted within Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 70 | Parking Lot on the north side of Building 4055. | Potential radiological contamination associated with activities conducted within Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Drainage | 71 | North of Building 4055. | Characterize potential radiological contaminated sediment and soil from activities associated with Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 71 | North of Building 4055. | Characterize potential radiological contaminated sediment and soil from activities associated with Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Drainage | 72 | Northeast of Building 4055, in ditch south side of G Street. | Characterize potential radiological contaminated sediment and soil from activities associated with Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 72 | Northeast of Building 4055, in ditch south side of G Street. | Characterize potential radiological contaminated sediment and soil from activities associated with Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 73 | Parking Lot on the north side of Building 4055. | Potential radiological contamination associated with activities conducted within Building 4055. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 74 | East of Building 4055. | Potential radiological contamination from drainage ditch and elevated gamma survey readings. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 74 | East of Building 4055. | Potential radiological contamination from drainage ditch and elevated gamma survey readings. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Drainage | 75 | Drainage north of former Buildings 4373/4374 & east of Building 4055. | Potential radiological contamination from drainage ditch to the west and to the south. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 75 | Drainage north of former Buildings 4373/4374 & east of Building 4055. | Potential radiological contamination from drainage ditch to the west and to the south. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 76 | North of former Buildings 4373/4374 and east of Building 4055. | Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 76 | North of former Buildings 4373/4374 and east of Building 4055. | Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 77 | Ditch east of former Building 4373. | Potential radiological contamination migration from activities associated with Building 4373. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 78 | Ditch east of former Building 4373. | Potential contamination associated with discharge from former pipe excavated from trench emanating from former Building 4373. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Surface | 79 | Former Building 4374 footprint. | Investigate potential radiological contamination from activities associated with former Building 4374 and 4373. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 79 | Former Building 4374 footprint. | Investigate potential radiological contamination from activities associated with former Building 4374 and 4373. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Surface | 80 | Former Building 4373 footprint. | Investigate potential radiological contamination from activities associated with former Building 4374. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 80 | Former Building 4373 footprint. | Investigate potential radiological contamination from activities associated with former Building 4374. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Surface | 81 | Northwest of Building 4373. | Potential radioactive contamination associated with Geophysical Anomaly (trench) emanating from former Building 4373 footprint. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 81 | Northwest of Building 4373. | Potential radioactive contamination associated with Geophysical Anomaly (trench) emanating from former Building 4373 footprint. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Surface | 82 | Former building 4373 footprint | Inside the footprint of former Building 4373, elevated gamma readings, magnetometer anomaly. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 82 | Former building 4373 footprint | Inside the footprint print of former Building 4373, elevated gamma readings, magnetometer anomaly. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Surface | 83 | Former building 4373 footprint. | Investigate potential radiological contamination from activities associated with former Building 4374. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 83 | Former building 4373 footprint | Investigate potential radiological contamination from activities associated with former Building 4374. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Surface | 84 | Former building 4373 footprint. | Investigate potential radiological contamination from activities associated with former Building 4374. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 84 | Former building 4373 footprint. | Investigate potential radiological contamination from activities associated with former Building 4374. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 85 | Southwest of former Building 4373. | Potentially contaminated soil in ditch from activities associated with former Building 4373 and Building 4374. | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Surface | 86 | South of former Building 4373. | Characterize Geophysical Anomaly (underground pipe)emanating from the footprint of former Building 4373. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 2 | Subsurface | 86 | South of former Building 4373. | Characterize Geophysical Anomaly (underground pipe)emanating from the footprint of former Building 4373. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 2 | Surface | 87 | South of former Building 4373. | Characterize potential radiological contamination associated with leach field former Building 4373. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 2 | Subsurface | 87 | South of former Building 4373. | Characterize potential radiological contamination associated with leach field former Building 4373. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 2 | Surface | 88 | South of former Building 4373. | Geophysical Anomaly, "Magnetometer". | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Subsurface | 88 | South of former Building 4373. | Geophysical Anomaly, "Magnetometer". | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| Group 2 | Surface | 89 | South of former Building 4373. | Characterize potential radiological contamination associated with leach field former Building 4373. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 2 | Subsurface | 89 | South of former Building 4373. | Characterize potential radiological contamination associated with leach field former Building 4373. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 2 | Surface | 90 | Northwest corner of the intersection of 22nd and J Street. | Characterize potential radioactive contamination in soil/sediment associated with activities in former Building 4373 and Building 4055. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 2 | Subsurface | 90 | Northwest corner of the intersection of 22nd and J Street. | Potential radioactive contamination in soil/sediment associated with activities in former Building 4373 and Building 4055. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Surface | 91 | Ditch on south side of J Street, North of former Building 4874. | Potential radiological contamination in soil/sediment south side of J Street. Possible open storage in parking lot former Building 4363. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 91 | Ditch on south side of J Street, North of former Building 4874. | Potential radiological contamination in soil/sediment south side of J Street. Possible open storage in parking lot former Building 4363. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 92 | Northwest of former Buildings 4874/4375/4875. | Potential radiological contamination in soil/sediment along east side of 24th Street. Possible open storage former Building 4363. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 92 | Northwest of former Buildings 4874/4375/4875. | Potential radiological contamination in soil/sediment along east side of 24th Street. Possible open storage former Building 4363. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 93 | West of former Buildings 4874/4375/4875. | Potential radiological contamination in soil/sediment along east side of 24th Street. Possible open storage former Building 4363. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 93 | West of former Buildings 4874/4375/4875. | Potential radiological contamination in soil/sediment along east side of 24th Street. Possible open storage former Building 4363. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 94 | West of former Buildings 4874/4375/4875. | Potential radiological contamination in soil/sediment along east side of 24th Street. Possible open storage former Building 4363. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 94 | West of former Buildings 4874/4375/4875. | Potential radiological contamination in soil/sediment along east side of 24th Street. Possible open storage former Building 4363. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 95 | Southwest of former Buildings 4874/4375/4875. | Historical data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 95 | Southwest of former Buildings 4874/4375/4875. | Historical data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 96 | Southwest corner of former Building 4363. | Historical data | Deselect | High density of rad sampling at Building 4363; existing chemical data in area. |
| Group 3 | Subsurface | 96 | Southwest corner of former Building 4363. | Historical data | Deselect | High density of rad sampling at Building 4363; existing chemical data in area. |
| Group 3 | Surface | 97 | West of former Building 4363 footprint. | Historical data | Primary & Secondary | Secondary suite added due to activities associated w/ Organic Moderated Reactor (OMR) Bldg. 4873 |
| Group 3 | Subsurface | 97 | West of former Building 4363 footprint. | Historical data | Primary & Secondary | Secondary suite added due to activities associated w/ Organic mode add reactin (OWN) Bidg. 4073 Secondary suite added due to activities associated w/ OMR at Bidg. 4873 |
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| Grouping | Sample Type | Location ID Location Description | Technical Justification | Analytes | Co-located Chemical Sample Rationale |
|----------|-------------|--|--|---------------------|---|
| Group 3 | Surface | 98 Northwest of former Building 4363 footprint. | Historical data | Primary & Secondary | Secondary suite added due to activities associated w/ OMR at Bldg. 4873 |
| Group 3 | Subsurface | 98 Northwest of former Building 4363 footprint. | Historical data | Primary & Secondary | Secondary suite added due to activities associated w/ OMR at Bldg. 4873 |
| Group 3 | Surface | 99 North of former Building 4363 footprint. | Potential radiological contamination from pipeline associated with the leach field. | Primary & Secondary | Secondary suite added due to activities associated w/ OMR at Bldg. 4873 |
| Group 3 | Subsurface | 99 North of former Building 4363 footprint. | Potential radiological contamination from pipeline associated with the leach field. | Primary & Secondary | Secondary suite added due to activities associated w/ OMR at Bldg. 4873 |
| Group 3 | Surface | 100 Southeast corner of former Building 4363. | Aerial Photo Feature, "Possible Open Storage". | Primary & NDMA | NDMA added due to elevated detection in previous sampling results. |
| Group 3 | Subsurface | 100 Southeast corner of former Building 4363. | Aerial Photo Feature, "Possible Open Storage". | Primary & NDMA | NDMA added due to elevated detection in previous sampling results. |
| Group 3 | Drainage | 101 South side of former L Street, south of former Building 4363. | Potential contamination in soil and sediment. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 101 South side of former L Street, south of former Building 4363. | Potential contamination in soil and sediment. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 102 Northeast corner of former Building 4363. | Historical data | Primary & Secondary | Secondary added due to operations at Building 4363. |
| Group 3 | Subsurface | 102 Northeast corner of former Building 4363. | Historical data | Primary & Secondary | Secondary added due to operations at Building 4363. |
| Group 3 | Surface | 103 Northeast corner of former Building 4363. | Potential radiological contamination associated with former leach field. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Subsurface | 103 Northeast corner of former Building 4363. | Potential radiological contamination associated with former leach field. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Surface | 104 Northeast corner of former Building 4363. | Historical Data | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Subsurface | 104 Northeast corner of former Building 4363. | Historical Data | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Surface | 105 Northeast of former Building 4363. | Characterize potential radiological contamination associated with the former Building 4363 leachfield. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Subsurface | 105 Northeast of former Building 4363. | Characterize potential radiological contamination associated with the former Building 4363 leachfield. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Surface | 106 Northeast of former Building 4363. | Characterize potential radiological contamination associated with the former Building 4363 leachfield. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Subsurface | 106 Northeast of former Building 4363. | Characterize potential radiological contamination associated with the former Building 4363 leachfield. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Surface | 107 Northeast of former Building 4363. | Characterize potential radiological contamination associated with the former Building 4363 leachfield. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Subsurface | 107 Northeast of former Building 4363. | Characterize potential radiological contamination associated with the former Building 4363 leachfield. | Primary & Secondary | Secondary suite added due since locations target waste features. |
| Group 3 | Surface | 108 East of former Building 4363. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 108 East of former Building 4363. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 109 East of former Building 4363. | Aerial Photo Feature, "Possible Open Storage". | Primary & Secondary | Secondary suite added due to operations at Building 4363. |
| Group 3 | Subsurface | 109 East of former Building 4363. | Aerial Photo Feature, "Possible Open Storage". | Primary & Secondary | Secondary suite added due to operations at Building 4363. |
| Group 3 | Surface | 110 Former Building 4363 footprint. | Historical Data | Primary & Secondary | Secondary suite added due to operations at Building 4363. |
| Group 3 | Subsurface | 110 Former Building 4363 footprint. | Historical Data | Primary & Secondary | Secondary suite added due to operations at Building 4363. |
| Group 3 | Surface | 111 Former Building 4363 footprint. | Historical Data | Primary & Secondary | Secondary suite added due to operations at Building 4363. |
| Group 3 | Subsurface | 111 Former Building 4363 footprint. | Historical Data | Primary & Secondary | Secondary suite added due to operations at Building 4363. |
| Group 3 | Surface | 112 Former Building 4363 footprint. | Historical Data | Primary & Secondary | High density of rad sampling at Building 4363; existing chemical data in area. |
| Group 3 | Subsurface | 112 Former Building 4363 footprint. | Historical Data | Primary & Secondary | High density of rad sampling at Building 4363; existing chemical data in area. |
| Group 3 | Surface | 113 Former Building 4363 footprint. | Historical Data | Primary & Secondary | Secondary suite added due to activities associated w/ OMR at Bldg. 4873 |
| Group 3 | Subsurface | 113 Former Building 4363 footprint. | Historical Data | Primary & Secondary | Secondary suite added due to activities associated w/ OMR at Bldg. 4873 |
| Group 3 | Surface | 114 Southwest of former Building 4363. | Historical Data. Aerial Photo Feature, "Possible Open Storage". | Primary & NDMA | NDMA added due to elevated detection in previous sampling results. |
| Group 3 | Subsurface | 114 Southwest of former Building 4363. | Historical Data. Aerial Photo Feature, "Possible Open Storage". | Primary & NDMA | NDMA added due to elevated detection in previous sampling results. |
| Group 3 | Subsurface | 115 North side of L Street, south of former Building 4363. | Investigate potential radiological contamination in sediment/soil in ditch on the south side of former L Street. | Primary & NDMA | NDMA added due to elevated detection in previous sampling results. |
| Group 3 | Subsurface | 116 North side of L Street, southeast of former Building 4363. | Investigate potential radiological contamination in sediment/soil in ditch on the south side of former L Street. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 117 Former Building 4875 footprint. | Potential radiological contamination associated with activities at former building 4875. | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Subsurface | 117 Former Building 4875 footprint. | Potential radiological contamination associated with activities at former building 4875. | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Surface | 118 Former Building 4375 footprint. | Potential radiological contamination associated with activities at former building 4375. | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Subsurface | 118 Former Building 4375 footprint. | Potential radiological contamination associated with activities at former building 4375. | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Surface | 119 East side of former Building 4375. | Potential radiological contamination associated with former pit tank - Drawing 303-GEN. C-42 | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Subsurface | 119 East side of former Building 4375. | Potential radiological contamination associated with former pit tank - Drawing 303-GEN. C-43 | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Surface | 120 East side of former Building 4375. | Potential radiological contamination associated with former pit tank drain line - Drawing 303-GEN. C-42 | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Subsurface | 120 East side of former Building 4375. | Potential radiological contamination associated with former pit tank drain line - Drawing 303-GEN. C-43 | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Surface | 121 North of former Building 4873. | Aerial Photo Feature, "Possible Open Storage". | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Subsurface | 121 North of former Building 4873. | Aerial Photo Feature, "Possible Open Storage". | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Surface | 122 North of former Building 4874. | Possible open storage area. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 122 North of former Building 4874. | Possible open storage area. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 123 Northwest of former Building 4363. | Aerial Photo Feature, "Ground Scar". Possible location of former 6 inch V.C. Pipe. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 123 Northwest of former Building 4363. | Aerial Photo Feature, "Ground Scar". Possible location of former 6 inch V.C. Pipe. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 124 North of former Building 4863. | Historical Site Assessment (HSA) Aerial Photo Feature, "Drainage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 124 North of former Building 4863. | Historical Site Assessment (HSA) Aerial Photo Feature, "Drainage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 125 Northwest of former Building 4863. | Aerial Photo Feature, "Drainage". | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Subsurface | 125 Northwest of former Building 4863. | Aerial Photo Feature, "Drainage". | Primary & Secondary | Secondary suite added due to potential hold up pits associated with OMR activities. |
| Group 3 | Surface | 126 Northwest of former Building 4863. | Historical Site Assessment (HSA) Aerial Photo Feature, "Drainage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 126 Northwest of former Building 4863. | Historical Site Assessment (HSA) Aerial Photo Feature, "Drainage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Drainage | 127 Ditch south side of J Street, northwest of former Building 4863. | Potential contamination from effluent of former 6 inch V.C. Pipe. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 127 Ditch south side of J Street, northwest of former Building 4863. | Potential contamination from effluent of former 6 inch V.C. Pipe. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Drainage | 128 Ditch south side of J Street at the boundary of 5DN. | Potential radiological contamination from activities associated with former Buildings 4353/4854. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 128 Ditch south side of J Street at the boundary of 5DN. | Potential radiological contamination from activities associated with former Buildings 4353/4854. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Drainage | 128 Ditch south side of J Street at the boundary of 5DN. | Potential radiological contamination from activities associated with former Buildings 4353/4854. | Primary | Primary suite only since outside of operational area. |

| Grouping | SampleType | Location ID Location Description | Technical Justification | Analytes | Co-located Chemical Sample Rationale |
|----------|-------------|---|--|---------------------|--|
| | Surface | 129 North of former Buildings 4353/4854. | Potential radiological contamination from activities associated with former Buildings 4353/4854. | | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 129 North of former Buildings 4353/4854. | Potential radiological contamination from activities associated with former Buildings 4353/4854. | Primary Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | · · · · · · · · · · · · · · · · · · · | | | |
| Group 3 | | 130 North of former Buildings 4353/4854. 130 North of former Buildings 4353/4854. | Historical Ste Assessment (HSA) Aerial Photo Feature, "Drainage". Historical Ste Assessment (HSA) Aerial Photo Feature, "Drainage". | Primary Drimon (| Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 5 | | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 131 East of former Buildings 4353/4854. | Former Building 4353/4854 leach field. Geophysical, "Magnetometer". Aerial Photo Feature, "Mounded Material/Drainage Channel". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 131 East of former Buildings 4353/4854. | Former Building 4353/4854 Teach field. Geophysical, "Magnetometer". Aerial Photo Feature, "Mounded Material/Drainage Channel". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 132 Northeast of former Building 4854. | Location of former leach field associated with former Building 4353/4854. Geophysical Anomaly, "Magnetometer". | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 3 | Subsurface | 132 Northeast of former Building 4854. | Location of former leach field associated with former Building 4353/4854. Geophysical Anomaly, "Magnetometer". | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 3 | Surface | 133 Northeast of former Building 4854. | Location of former leach field associated with former Building 4353/4854. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 3 | Subsurface | 133 Northeast of former Building 4854. | Location of former leach field associated with former Building 4353/4854. | Primary & Secondary | Secondary suite added since locations target waste features. |
| Group 3 | Surface | 134 North side of Former Building 4353. | Location of pipe line leading to the leach field. Geophysical Anomaly, "Magnetometer". | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Subsurface | 134 North side of Former Building 4353. | Location of pipe line leading to the leach field. Geophysical Anomaly, "Magnetometer". | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Surface | 135 Former Building 4353 footprint. | Potential radiological contamination from activities associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Subsurface | 135 Former Building 4353 footprint. | Potential radiological contamination from activities associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Surface | 136 Former Building 4353 footprint. | Potential radiological contamination from activities associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Subsurface | 136 Former Building 4353 footprint. | Potential radiological contamination from activities associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Surface | 137 South side of former Building 4353 footprint. | Potential radiological contamination from activities associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Subsurface | 137 South side of former Building 4353 footprint. | Potential radiological contamination from activities associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Surface | 138 South of former building 4353. | Possible open storage associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Subsurface | 138 South of former building 4353. | Possible open storage associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Surface | 139 Southeast of former building 4353. | Possible open storage associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Subsurface | 139 Southeast of former building 4353. | Possible open storage associated with former Building 4353. | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Surface | 140 Southeast of former building 4854. | HSA "Historical Drainage". Geophysical Anomaly, "Magnetometer". | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Subsurf ace | 140 Southeast of former building 4854. | HSA "Historical Drainage". Geophysical Anomaly, "Magnetometer". | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Surface | 141 Southeast of former building 4854. | Historical Data | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Subsurface | 141 Southeast of former building 4854. | Historical Data | Primary & Secondary | Secondary suite added due to proximity to activities associated with OMR Program |
| Group 3 | Surface | 142 South of former building 4854. | Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 142 South of former building 4854. | Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Drainage | 143 Southeast of former building 4854. | HSA "Historical Drainage". Geophysical Anomaly, "Conductivity". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 143 Southeast of former building 4854. | HSA "Historical Drainage". Geophysical Anomaly, "Conductivity". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 144 South of former building 4854. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 144 South of former building 4854. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 144 South of former Buildings 4353/4854. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only since outside of operational area. |
| | | | | | |
| Group 3 | Subsurface | 145 South of former Buildings 4353/4854. 146 South side of L Street, south of former Building 4353. | Aerial Photo Feature, "Possible Open Storage". Characterize subsurface soil in ditch on the south side of former L Street. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | , | | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 147 North side of L Street, south of former Building 4353. 148 In ditch on the south side of former L Street. | Investigate potential radiological contamination in sediment/soil in ditch on the south side of former L Street. | Primary Drimon | Primary suite only since outside of operational area. |
| Group 3 | Drainage | | Potential radiological contamination from activities associated with former Buildings 4473/4863/4363. Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 148 In ditch on the south side of former L Street. | Potential radiological contamination from activities associated with former Buildings 4473/4873/4863/4363. Historical Data. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 149 South of former Buildings 4353/4854. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 149 South of former Buildings 4353/4854. | Aerial Photo Feature, "Possible Open Storage". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 150 South of former Building 4353/4854. | Aerial Photo Feature, "Possible Open Storage". Geophysical Feature, "Magnetometer". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 150 South of former Building 4353/4854. | Aerial Photo Feature, "Possible Open Storage". Geophysical Feature, "Magnetometer". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 151 South of former Building 4353/4854. | Elevated gamma survey readings, "PGRAY 5". Geophysical Anomaly, "Conductivity". Berm and soil disturbance area. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 151 South of former Building 4353/4854. | Elevated gamma survey readings, "PGRAY 5". Geophysical Anomaly, "Conductivity". Berm and soil disturbance area. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 152 South of former Building 4353/4854. | Elevated gamma survey readings, "PGRAY 6". Geophysical Anomaly, "Conductivity". Berm and soil disturbance area. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 152 South of former Building 4353/4854. | Elevated gamma survey readings, "PGRAY 6". Geophysical Anomaly, "Conductivity". Berm and soil disturbance area. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 153 South of former Building 4353/4854. | Geophysical Anomaly, "Conductivity". Elevated gamma survey readings. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 153 South of former Building 4353/4854. | Geophysical Anomaly, "Conductivity". Elevated gamma survey readings. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 154 South of former Building 4353/4854. | Aerial Photo Feature, "Ground Scar". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 154 South of former Building 4353/4854. | Aerial Photo Feature, "Ground Scar". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 155 South of former Building 4353/4854. | Aerial Photo Feature, "Medium Toned Mounded Material". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 155 South of former Building 4353/4854. | Aerial Photo Feature, "Medium Toned Mounded Material". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 156 South of former Building 4353/4854. | Aerial Photo Feature, "Medium Toned Mounded Material". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 156 South of former Building 4353/4854. | Aerial Photo Feature, "Medium Toned Mounded Material". | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 157 Southeast portion of Subarea 5DN. | Aerial Photo Feature, "Mounded Material". Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 157 Southeast portion of Subarea 5DN. | Aerial Photo Feature, "Mounded Material". Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 158 Southeast portion of Subarea 5DN. | Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 158 Southeast portion of Subarea 5DN. | Historical Data | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 159 South east corner of Subarea 5DN. | Elevated gamma survey readings. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 159 South east corner of Subarea 5DN. | Elevated gamma survey readings. | Primary | Primary suite only since outside of operational area. |
| | | | | | |

| Grouping | SampleType | Location ID | Location Description | Technical Justification | Analytes | Co-located Chemical Sample Rationale |
|----------|------------|---------------------------|---|---|---------------------|--|
| Group 3 | Surface | 160 | South east corner of Subarea 5DN. | Elevated gamma survey readings. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 160 | South east corner of Subarea 5DN. | Elevated gamma survey readings. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 160 161 | South east corner of Subarea 5DN. | Aerial Photo Feature, "Trench" | Deselect | High density of rad sampling outside of operational area. |
| Group 3 | Subsurface | - 101 -161- | South east corner of Subarea 5DN. | Aerial Photo Feature, "Trench" | Deselect | High density of rad sampling outside of operational area. |
| Group 3 | Surface | 162 | Southeast of former Building 4865. | Aerial Photo Feature, "Ground Scar". | | Primary suite only since outside of operational area. |
| | | | 5 | Aerial Photo Feature, "Ground Scar". | Primary | |
| Group 3 | Subsurface | 162 | Southeast of former Building 4865. | | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 163 | Southeast of former Building 4865. | Aerial Photo Feature, "Ground Scar". | Deselect | High density of rad sampling outside of operational area. |
| Group 3 | Subsurface | 163 | Southeest of former Building 4865. | Aerial Photo Feature, "Ground Scar". | Deselect | High density of rad sampling outside of operational area. |
| Group 2 | Surface | 164 | Northeast of former Building 4865. | Downgradient of former Building 4865. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 164 | Northeast of former Building 4865. | Downgradient of former Building 4865. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 165 | Former Building 4865. | Historical use of Co-60 with a depleted uranium collimator in the former building. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 165 | Former Building 4865. | Historical use of Co-60 with a depleted uranium collimator in the former building. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Surface | 166 | North of former Building 4865. | Approx location of unknown site activities noted in 1992 aerial photo. | Primary | Primary suite only since outside of operational area. |
| Group 3 | Subsurface | 166 | North of former Building 4865. | Approx location of unknown site activities noted in 1992 aerial photo. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 167 | North of former Building 4865. | Potential radiological contamination in ditch along the west side of 24th Street. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 168 | West of former Building 4363. | Potential radiological contamination in ditch along the west side of 24th Street. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Subsurface | 169 | South of former Building 4020. | Downgradient of the former Parking Lot 4520. | Primary | Primary suite only since outside of operational area. |
| Group 2 | Surface | 170 | North portion of Fill Area 13. | Aerial Photo Feature, "Mounded Material". Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 170 | North portion of Fill Area 13. | Aerial Photo Feature, "Mounded Material". Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 171 | North portion of Fill Area 13. | Elevated gamma survey readings. Geophysical Anomaly, "Magnetometer". Aerial Photo Feature, "Mounded Material". | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Subsurface | 171 | North portion of Fill Area 13. | Elevated gamma survey readings. Geophysical Anomaly, "Magnetometer". Aerial Photo Feature, "Mounded Material". | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Surface | 172 | Fill Area 13, south of former Building 4020, west of 24th Street. | Geophysical Anomaly, "conductivity and Magnetometer". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 172 | Fill Area 13, south of former Building 4020, west of 24th Street. | Geophysical Anomaly, "conductivity and Magnetometer". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 173 | North portion of Fill Area 13. | Elevated gamma survey readings, "PGRAY 2". Geophysical Anomaly, "Magnetometer". Aerial Photo Feature, "Excavation". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 173 | North portion of Fill Area 13. | Elevated gamma survey readings, "PGRAY 2". Geophysical Anomaly, "Magnetometer". Aerial Photo Feature, "Excavation". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 174 | North portion of Fill Area 13. | Elevated gamma survey readings. Geophysical Anomaly, "Magnetometer". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 174 | North portion of Fill Area 13. | Elevated gamma survey readings. Geophysical Anomaly, "Magnetometer". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 175 | North portion of Fill Area 13. | Geophysical Anomaly, "Magnetometer and Conductivity". Aerial Photo Feature, "Trench". | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Subsurface | 175 | North portion of Fill Area 13. | Geophysical Anomaly, "Magnetometer and Conductivity". Aerial Photo Feature, "Trench". | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Surface | 176 | West portion of Fill Area 13. | Elevated gamma survey reading, "PGRAY 1". Aerial Photo Feature, "Ground Scar". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 176 | West portion of Fill Area 13. | Elevated gamma survey reading, "PGRAY 1". Aerial Photo Feature, "Ground Scar". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface- | 177 | West portion of Fill Area 13. | Geophysical Anomaly, "Conductivity". Elevated gamma survey readings. | Deselect | High density of rad sampling in hummocky area and existing chemical data from previous investigations. |
| Group 2 | Subsurface | 177 | West portion of Fill Area 13. | Geophysical Anomaly, "Conductivity". Elevated gamma survey readings. | Deselect | High density of rad sampling in hummocky area and existing chemical data from previous investigations. |
| Group 2 | Surface- | 178 | East portion of Fill Area 13. | Geophysical Anomaly, "Conductivity". Aerial Photo Feature, "Mounded Material". Elevated gamma survey readings. | Deselect | High density of rad sampling in hummocky area and existing chemical data from previous investigations. |
| Group 2 | Subsurface | 178 | East portion of Fill Area 13. | Geophysical Anomaly, "Conductivity". Aerial Photo Feature, "Mounded Material". Elevated gamma survey readings. | Deselect | High density of rad sampling in hummocky area and existing chemical data from previous investigations. |
| Group 2 | Surface | 179 | East portion of Fill Area 13. | Geophysical Anomaly, "Conductivity". Aerial Photo Feature, "Mounded Material". Elevated gamma survey readings. | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Subsurface | 179 | East portion of Fill Area 13. | Geophysical Anomaly, "Conductivity". Aerial Photo Feature, "Mounded Material". Elevated gamma survey readings. | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Surface | 180 | Northwest of former Building 4865. | Aerial Photo Feature, "Excavation". Geophysical Anomaly, "Magnetometer and Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 180 | Northwest of former Building 4865. | Aerial Photo Feature, "Excavation". Geophysical Anomaly, "Magnetometer and Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 181 | Northwest of former Building 4865. | Aerial Photo Feature, "Ground Scar". Geophysical Anomaly, "Magnetometer and Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 181 | Northwest of former Building 4865. | Aerial Photo Feature, "Ground Scar". Geophysical Anomaly, "Magnetometer and Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 182 | Southeast portion of Fill Area 13. | Aerial Photo Feature, "Mounded Material". Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 182 | Southeast portion of Fill Area 13. | Aerial Photo Feature, "Mounded Material". Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 183 | Southeast portion of Fill Area 13. | Geophysical Anomaly, "Magnetometer". Aerial Photo Feature, "Mounded Material". Elevated gamma survey readings. | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 183 | Southeast portion of Fill Area 13. | Geophysical Anomaly, "Magnetometer". Aerial Photo Feature, "Mounded Material". Elevated gamma survey readings. | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 184 | Southeast portion of Fill Area 13. | Aerial Photo Feature, "Mounded Material". Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 184 | Southeast portion of Fill Area 13. | Aerial Photo Feature, "Mounded Material". Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 185 | Pond Dredge Area - Southeast portion of Fill Area 14. | Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 185 | Pond Dredge Area - Southeast portion of Fill Area 14. | Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 186 | Pond Dredge Area - Southeast portion of Fill Area 14. | Aerial Photo Feature, "Light Toned Material". | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Subsurface | 186 | Pond Dredge Area - Southeast portion of Fill Area 14. | Aerial Photo Feature, "Light Toned Material". | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Surface | 187 | Pond Dredge Area - Southeast portion of Fill Area 14. | Aerial Photo Feature, "Light Toned Material". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 187 | Pond Dredge Area - Southeast portion of Fill Area 14. | Aerial Photo Feature, "Light Toned Material". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 188 | Pond Dredge Area - Southeast portion of Fill Area 14. | Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 188 | Pond Dredge Area - Southeast portion of Fill Area 14. | Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 189 | Pond Dredge Area - Southern portion of Fill Area 14. | Historical data | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 189 | Pond Dredge Area - Southern portion of Fill Area 14. | Historical data | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 190 | Pond Dredge Area - Southwest portion of Fill Area 14. | Geophysical Anomaly, "conductivity and Magnetometer". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Subsurface | 190 | Pond Dredge Area - Southwest portion of Fill Area 14. | Geophysical Anomaly, "conductivity and Magnetometer". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 | Surface | 100 | Pond Dredge Area - Southwest portion of Fill Area 14. | Geophysical Anomaly, "conductivity and Magnetometer". Slightly elevated gamma readings. | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 | Subsurface | 191 | Pond Dredge Area - Southwest portion of Fill Area 14. | Geophysical Anomaly, "conductivity and Magnetometer". Slightly devated gamma readings. | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
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| Ging Q International Marcel Section Plane Sub correct points Plane 11. Hasing Data Hasi | Grouping | Sample Type | Location I | D Location Description | Technical Justification | Analytes | Co-located Chemical Sample Rationale |
|--|----------|-------------|------------|---|--|----------------------|---|
| Geody 2 Surface 193 Percel Decigo Anal-Soan entratiget onts of Fill Area 14. Sectory 2/ Surface Primary Line of yales the function decision. Primary Line decis the function decis the fu | Group 2 | Surface | 192 | Pond Dredge Area - South central portion of Fill Area 14. | Historical Data | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 Statution 193 Your Design-Ams-Statutoret proton of HI Ams 14. Group/splant Ams/ Computing and an antipacture of the Ams/ Statution Proce Design-Ams-Statute proton of HI Ams 14. Geophysical Anomaly, "Conductivity and Magnetomet": Amil Photo Fature, "HIL". Primary Primary alteroity due to high amage density. In Perd Design-Ams. Group 2 Subtration 194 Prod Design-Ams-Statute proton of HI Ams 14. Geophysical Anomaly, "Conductivity and Magnetometal": Amil Photo Fature, "HIL". Primary Primary Primary alteroity due to high amage density. In Perd Design-Ams. Group 2 Statution 196 Pool Design-Ams. Statutore primary Conductivity and Magnetometal". Amil Photo Fature, "HIL". Primary Primary alteroity due to high amage density. In Perd Design-Ams. Group 2 Statutor 196 Pool Design-Ams. Statutore primary and primary due to high amage density. In Perd Design-Ams. Primary Primary alteroity due to high amage density. In Perd Design-Ams. Group 2 Statutor 197 Pool Design-Ams. Contractivity - Amil Photo Fature, "HIL". Primary Primary Ams. | Group 2 | Subsurface | 192 | Pond Dredge Area - South central portion of Fill Area 14. | Historical Data | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 Structure 194 Prod Desphares - Studenes portion of FII Area 14. Desphares - Anomy Conductivy and Magetomes' - Asid Peo Feature, "FII". Primary Attempt of the high sample don't by its marge don't by its | Group 2 | Surface | 193 | Pond Dredge Area - South central portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Structure 194 Perd DrogsyAme - Sturburg protoco FII Area 14. Security and Migrature - Sturburg protoco FII Area 14. Security and Migrature - Sturburg protoco FII Area 14. Security and Migrature - Sturburg protoco FII Area 14. Security and Migrature - Area 144 Proce Fasture - FIII'. Himary Himary - Minory and only due to high antiparion of protoco FII Area 14. Security and Migrature - Area 144 Proce Fasture - FIII'. Himary Himary - Minory and only due to high antiparion of protoco FII Area 14. Security and Area 144 Proce Fasture - FIII'. Himary Himary - Minory and only due to high antiparion of PII Area 14. Security and Area 144 Proce Fasture - FIII'. Himary Himary - Minory and only due to high antiparia and any in Area 144 Proce Fasture - FIII'. Himary Himary - Minory and only due to high antiparia and any in Area 144 Proce Fasture - FIII'. Himary Himary - Minory and only due to high antiparia and any in Area 144 Proce Fasture - FIII'. Himary - Minory and only due to high antiparia and any in Area 144 Proce Fasture - FIII'. Himary - Minory A Secondary 30 and Addid acts portexis water dupo and FII Area 14. Secondary 30 and Addid acts portexis water dupo and FII Area 14. Secondary 30 and Addid acts portexis water dupo and FII Area 14. Secondary 30 and Addid acts portexis water dupo and FII Area 14. Secondary 30 and Addid acts portexis water dup and FII Area 14. Secondary 30 and Addid acts portexis water dup and FII Area 14. Secondary 30 and Addid acts portexis water dup antiparis and and acts portexis 44 Ar | Group 2 | Subsurface | 193 | Pond Dredge Area - South central portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 State 195 Prod Dirdge Area. Subtionant portion of Fill Area 14. Geophysical Anomyly, "Conductivity and Magnetometer". And Phoco Feature, "Fill". Primary Primary saties only due to this parallele and to this parallele an | Group 2 | Surface | 194 | Pond Dredge Area - Southeast portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2Shartnee195Prod Dregb AresStati and index 1Group 1000 (Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A Fill Ares 14.Group 1000 (Seption Ares 2 Second Seption A | Group 2 | Subsurface | 194 | Pond Dredge Area - Southeast portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
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| Group 2 Staarlage 198 Pend Drodge Area - Central portion of Fill Area 14. Georphysical Anomaly, "Conductivity", Aerial Proto Feature, "Fill". Primary & Biocondry State oxide use to potential wates disposed in the Prind Drodge Area. Group 2 Surface 197 Pend Drodge Area - Central potinion of Fill Area 14. Georphysical Anomaly, "Conductivity and Magnetometer", Aerial Photo Feature, "Fill". Primary & Scondary Scondary State oxide use to potential wates disposed in the Prind Drodge Area. Group 2 Surface 198 Pend Drodge Area - Central potinion of Fill Area 14. Georphysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". Primary & Scondary Scondary Stoardae used due to multiple lines of evidence indicating potential for contamination. Group 2 Surface 198 Pend Drodge Area - North potion of Fill Area 14. Georphysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". Primary & Biomary State oxide due to multiple lines of evidence indicating potential for contamination. Group 2 Surface 199 Pend Drodge Area. Sight devide appression area (reality and magnetometer). Primary Primary state oxide due to multiple lines of evidence indicating potential for contamination. Group 2 Surface 199 Pend Drodge Area. Sight devide aprima area (reality and toxid) | Group 2 | Subsurface | 195 | Pond Dredge Area - South central portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 Sarface 197 Pond Dredge Area - Central portion of Fill Area 14. Geophysical Anomaly. "Conductivity and Magnetometer". Anial Photo Feature, "Fill". Primary & Secondary Secondary asteaded due to potential wates disposal in the Pond Dredge Area. Group 2 Safface 197 Pond Dredge Area - Central portion of Fill Area 14. Geophysical Anomaly. "Conductivity and Magnetometer". Anial Photo Feature, "Fill". Primary & Secondary Secondary asteaded due to potential wates disposal in the Pond Dredge Area. Group 2 Safface 198 Pond Dredge Area - North portion of Fill Area 14. Geophysical Anomaly. "Conductivity and Magnetometer". Anial Photo Feature, "Fill". Primary & Secondary Secondary saite added due to multiple lines of evideore information. Group 2 Sabarface 199 Pond Dredge Area - North portion of Fill Area 14. Geophysical Anomaly. "Conductivity and Magnetometer". Anial Photo Feature, "Fill". Primary A Primary Aile only due due to potential wates disposal in the Phond Dredge Area. Group 2 Sabarface 199 Pond Dredge Area - Veat portion of Fill Area 14. Geophysical Anomaly. "Conductivity." Primary Aile only due to high service devises on Phond Dredge Area. Group 2 Sabarface 200 Southwest come of Shoreas SDN. Geophysical Anomaly. "Conductivity."Conductivity." | Group 2 | Surface | 196 | Pond Dredge Area - Central portion of Fill Area 14. | Geophysical Anomaly, "Conductivity ". Aerial Photo Feature, "Fill". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 Subarface 197 Pand Dragbe Area - Central portion of Fill Area 14. Geophysical Anomaly, "Conductivity and Magnetometar". Aerial Photo Feature, "Fill". Primary & Secondary | Group 2 | Subsurface | 196 | Pond Dredge Area - Central portion of Fill Area 14. | Geophysical Anomaly, "Conductivity ". Aerial Photo Feature, "Fill". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 Surface 198 Pend Dradge Area - North portion of Fill Area 14. Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Phote Feature, "Fill". Primary & Secondary Secondary sate added due to multiple lines of avidence indicating potential for contamination. Group 2 Surface 198 Pend Dradge Area - North portion of Fill Area 14. Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Phote Feature, "Fill". Primary & Secondary Secondary sate added due to multiple lines of avidence indicating potential for contamination. Group 2 Surface 199 Pend Dradge Area - Neet potion of Fill Area 14. Slightly devaded garma survey readings. Primary Primary alter only socialish of operational area. Group 2 Subtration 200 Southwest corner of Subarea SDN. Geophysical Anomaly, "Conductivity". Primary Primary alter only due to high ample density in Pond Dredge Area. Group 2 Subtration 200 Southwest corner of Subarea SDN. Geophysical Anomaly, "Conductivity". Primary Primary alter only due to high ample density in Pond Dredge Area. Group 2 Subtrate 201 Southwest corner of Subarea SDN. Areit Photo Feature, "Trent". Primary Primary alter only due to high ample density in Pond Dredge Area. <td< td=""><td>Group 2</td><td>Surface</td><td>197</td><td>Pond Dredge Area - Central portion of Fill Area 14.</td><td>Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill".</td><td>Primary & Secondary</td><td>Secondary suite added due to potential waste disposal in the Pond Dredge Area.</td></td<> | Group 2 | Surface | 197 | Pond Dredge Area - Central portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2Subartace198Pond Dradge Area - North portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill".Primary & SteordarySteord | Group 2 | Subsurface | 197 | Pond Dredge Area - Central portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". | Primary & Secondary | Secondary suite added due to potential waste disposal in the Pond Dredge Area. |
| Group 2 Surface 199 Pend Drodge Area - West portion of Fill Area 14. Slightly devaded gamma survey readings. Primary Primary Primary suite only since outside of operational area. Group 2 Subtance 199 Pond Drodge Area - West portion of Fill Area 14. Slightly devaded gamma survey readings. Primary Primary Primary Primary suite only since outside of operational area. Group 2 Subtance 200 Southwest comer of Subreas SDN. Geophysical Anomaly. "Conductivity". Primary | Group 2 | Surface | 198 | Pond Dredge Area - North portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill". | Primary & Secondary | Secondary suite added due to multiple lines of evidence indicating potential for contamination. |
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| Group 2Surface200Southwest corner of Subarea SDN.Geophysical Anomaly, "Conductivity".PrimaryPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface200Southwest corner of Subarea SDN.Geophysical Anomaly, "Conductivity".PrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface201Southwest corner of Subarea SDN.Aerial Photo Feature, "Trench".PrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface202Northeest corner of former Parking Lot 4520Sackeholder Request - Staging area for the D&D of former Building 4020.PrimaryPrimary suite only since outside of operational area.Group 2Subsurface203Northeest corner of former Parking Lot 4521Sackeholder Request - Staging area for the D&D of former Building 4020.PrimaryPrimary suite only since outside of operational area.Group 2Subsurface203Northeest corner of former Parking Lot 4521Sackeholder Request - Staging area for the D&D of former Building 4020.PrimaryPrimary suite only since outside of operational area.Group 2Subsurface203Pond Dredge Area. East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimaryPrimary suite only since outside of operational area.Group 2Subsurface204Pond Dredge Area.PrimaryPrimary suite only since outside of operational area.Group 2Subsurface204Pond Dredge Area.PrimaryPrimary suite only since ou | Group 2 | Surface | 199 | Pond Dredge Area - West portion of Fill Area 14. | Slightly elevated gamma survey readings. | Primary | Primary suite only since outside of operational area. |
| Group 2Subsurface200Southwest corner of Subarea SDN.Geophysical Anomaly, "Conductivity".PrimaryPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface201Southwest corner of Subarea SDN.Aerial Photo Feature, "Trench".PrimaryPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subarrace201Southwest corner of Subarea SDN.Aerial Photo Feature, "Trench".PrimaryPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subarrace202Northeeat corner of forme Parking Lot 4521Stakeholder Request - Staging area for the D&D of former Building 4020.PrimaryPrimary suite only since outside of operational area.Group 2Subarrace202Northeeat corner of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only since outside of operational area.Group 2Subarrace203Pond Dredge Area. East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only since outside of operational area.Group 2Subarrace203Pond Dredge Area. East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only since outside of operational area.Group 2Subarrace204Pond Dredge Area. East portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subarrace2 | Group 2 | Subsurface | 199 | Pond Dredge Area - West portion of Fill Area 14. | Slightly elevated gamma survey readings. | Primary | Primary suite only since outside of operational area. |
| Group 2Surface201Southwest corner of Subarea 5DN.Arial Photo Feature, "Trench".PrimaryPrimary asite only due to high sample density in Pond Dredge Area.Group 2Subsurface201Southwest corner of Subarea 5DN.Aerial Photo Feature, "Trench".PrimaryPrimary asite only due to high sample density in Pond Dredge Area.Group 2Surface202Northeest corner of former Parking Lot 4520Stakeholder Request - Staging area for the D&D of former Building 4020.PrimaryPrimary suite only since outside of operational area.Group 2Surface202Northeest corner of former Parking Lot 4521Stakeholder Request - Staging area for the D&D of former Building 4020.PrimaryPrimary suite only since outside of operational area.Group 2Surface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimaryPrimary suite only since outside of operational area.Group 2Surface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimaryPrimary suite only since outside of operational area.Group 2Surface204Pond Dredge - West portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetomete". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area. <tr< td=""><td>Group 2</td><td>Surface</td><td>200</td><td>Southwest corner of Subarea 5DN.</td><td>Geophysical Anomaly, "Conductivity".</td><td>Primary</td><td>Primary suite only due to high sample density in Pond Dredge Area.</td></tr<> | Group 2 | Surface | 200 | Southwest corner of Subarea 5DN. | Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2Subsurface201Southwest corner of Subarea 5DN.Aerial Photo Feature, "Trench".PrimaryPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface202Northeast corner of former Parking Lot 4520Sakeholder Request - Staging area for the D& D of former Building 4020.PrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface202Northeast corner of former Parking Lot 4521Sakeholder Request - Staging area for the D& D of former Building 4020.PrimaryPrimary suite only since outside of operational area.Group 2Surface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only since outside of operational area.Group 2Surface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only since outside of operational area.Group 2Surface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface204Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface204Pond Dredge Area.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2 <t< td=""><td>Group 2</td><td>Subsurface</td><td>200</td><td>Southwest corner of Subarea 5DN.</td><td>Geophysical Anomaly, "Conductivity".</td><td>Primary</td><td>Primary suite only due to high sample density in Pond Dredge Area.</td></t<> | Group 2 | Subsurface | 200 | Southwest corner of Subarea 5DN. | Geophysical Anomaly, "Conductivity". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2Surface202Northeest corner of former Parking Lot 4520Stakeholder Request - Staging area for the D&D of former Building 4020.PrimaryPrimary suite only since outside of operational area.Group 2Subsurface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimaryPrimary suite only since outside of operational area.Group 2Subsurface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimaryPrimary suite only since outside of operational area.Group 2Subsurface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimaryPrimary suite only since outside of operational area.Group 2Subsurface204Pond Dredge Area - East portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only since outside of operational area.Group 2Subsurface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface206West side of former Building 4373.Possible open storage - Stakeholder RequestPri | Group 2 | Surface | 201 | Southwest corner of Subarea 5DN. | Aerial Photo Feature, "Trench". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2Subsurface202Northeast corner of former Parking Lot 4521Stakeholder Request - Staging area for the D&D of former Building 4020.PrimaryPrimaryPrimary suite only since outside of operational area.Group 2Surface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only since outside of operational area.Group 2Subsurface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".PrimaryPrimary suite only since outside of operational area.Group 2Sufface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface205Southwest corner of Subarea 5DN.Pos | Group 2 | Subsurface | 201 | Southwest corner of Subarea 5DN. | Aerial Photo Feature, "Trench". | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2Surface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".Group 2Subsurface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".Group 2Subsurface204Pond Dredge Area - East portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryGroup 2Subsurface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryGroup 2Subsurface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryGroup 2Sufface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryGroup 2Sufface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryGroup 2Sufface206West side of former Building 4373.Entry way to former Building 4373 - Stakeholder RequestPrimaryGroup 2Sufface206West side of former Building 4373.Entry way to former Building 4373 - Stakeholder RequestPrimary & EnergeticsEnergeticsGroup 2Sufface206West side of former Building 4373.Entry way to former Building 4373 - Stakeholder RequestPrimary & EnergeticsEnergeticsGroup 2Sufface206West side of former Building 4373.En | Group 2 | Surface | 202 | Northeast corner of former Parking Lot 4520 | Stakeholder Request - Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2Subsurface203Pond Dredge Area - East portion of Fill Area 14.Aerial Photo Feature, "Fill Area".Primary suite only since outside of operational area.Group 2Surface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface206West side of former Building 4373.Entry way to former Building 4373 - Stakeholder RequestPrimaryPrimary & EnergeticsEnergetics added due to documented use/storage in historical operations. | Group 2 | Subsurface | 202 | Northeast corner of former Parking Lot 4521 | Stakeholder Request - Staging area for the D&D of former Building 4020. | Primary | Primary suite only since outside of operational area. |
| Group 2Surface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface206West side of former Building 4373.Entry way to former Building 4373 - Stakeholder RequestPrimaryPrimary & EnergeticsEnergetics added due to documented use/storage in historical operations. | Group 2 | Surface | 203 | Pond Dredge Area - East portion of Fill Area 14. | Aerial Photo Feature, "Fill Area". | Primary | Primary suite only since outside of operational area. |
| Group 2Subsurface204Pond Dredge - West portion of Fill Area 14.Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface205Southwest corner of Subarea 5DN.Possible open storage - Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface206West side of former Building 4373.Entry way to former Building 4373 - Stakeholder RequestPrimary & EnergeticsEnergetics added due to documented use/storage in historical operations. | Group 2 | Subsurface | 203 | Pond Dredge Area - East portion of Fill Area 14. | Aerial Photo Feature, "Fill Area". | Primary | Primary suite only since outside of operational area. |
| Group 2Surface205Southwest corner of Subarea SDN.Possible open storage - Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Subsurface205Southwest corner of Subarea SDN.Possible open storage - Stakeholder RequestPrimaryPrimary suite only due to high sample density in Pond Dredge Area.Group 2Surface206West side of former Building 4373.Entry way to former Building 4373 - Stakeholder RequestPrimary & EnergeticsEnergetics added due to documented use/storage in historical operations. | Group 2 | Surface | 204 | Pond Dredge - West portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder Request | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 Subsurface 205 Southwest corner of Subarea 5DN. Possible open storage - Stakeholder Request Primary Primary suite only due to high sample density in Pond Dredge Area. Group 2 Surface 206 West side of former Building 4373. Entry way to former Building 4373 - Stakeholder Request Primary & Energetics Energetics added due to documented use/storage in historical operations. | Group 2 | Subsurface | 204 | Pond Dredge - West portion of Fill Area 14. | Geophysical Anomaly, "Conductivity and Magnetometer". Aerial Photo Feature, "Fill" Stakeholder Request | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 Surface 206 West side of former Building 4373. Entry way to former Building 4373 - Stakeholder Request Primary & Energetics Energetics added due to documented use/storage in historical operations. | Group 2 | Surface | 205 | Southwest corner of Subarea 5DN. | Possible open storage - Stakeholder Request | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| | Group 2 | Subsurface | 205 | Southwest corner of Subarea 5DN. | Possible open storage - Stakeholder Request | Primary | Primary suite only due to high sample density in Pond Dredge Area. |
| Group 2 Sheurface 206 Wast side of former Building /373 Entry way to former Building /373 Sakabolder Paquest | Group 2 | Surface | 206 | West side of former Building 4373. | Entry way to former Building 4373 - Stakeholder Request | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |
| | Group 2 | Subsurface | 206 | West side of former Building 4373. | Entry way to former Building 4373 - Stakeholder Request | Primary & Energetics | Energetics added due to documented use/storage in historical operations. |

NOTES:

Subsurface locations 21 through 29, 32 through 35, and 44 will be sampled by HGL as follows:

During D& Dativities at former Building 4020 a 1 foot sand layer was placed in the building excavation. A targeted subsurface sample of native soil will be collected below the 1 foot sand layer, at the soil/bedrock interface, if possible. If refusal is encountered before bedrock is reached, a soil sample will be collected just above the depth refusal was encountered. In addition to this subsurface sample, soil samples will be collected based on the results of the borehole gamma logging in accordance with the Master Soil Sampling Field Sampling Field Sampling Plan (FSP). If borehole gamma logging results show no elevated gamma reading then a composite soil sample will be collected from the 1-5 foot interval. A minimum of two subsurface soil samples will be collected from each subsurface boring location.

Subsurface locations 38, 47 through 51 and 53 will be sampled by HGL as follows:

A targeted subsurface sample of native soil will be collected at the soil/bedrock interface, if possible. If refusal is encountered before bedrock is reached, a soil sample will be collected just above the depth refusal was encountered.

Only one subsurface soil sample will be collected unless the borehole gamma logging results show elevated gamma readings, then subsurface soil samples will be collected at each contaminated zone in accordance with the Master Soil Sampling FSP.

D& D = decontamination and decommissioning

PGRAY = potential gamma ray anomaly