
SUBAREA 5B FSP ADDENDUM
REVISION 1
SANTA SUSANA FIELD LABORATORY SITE
AREA IV RADIOLOGICAL STUDY

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DATE: March 2, 2011
SUBJECT: FSP Addendum for Subarea 5B Revision 1
CONTRACT NO: EP-S7-05-05
TASK ORDER NO: 0038

INTRODUCTION

HydroGeoLogic, Inc. (HGL) has been tasked by the U. S. Environmental Protection Agency (USEPA) to conduct a radiological characterization study at Area IV and the Northern Buffer Zone of the Santa Susana Field Laboratory (SSFL) site in Ventura County, California. This work is being executed under USEPA Region 7 Architect and Engineering Services Contract EP-S7-05-05, Task Order 0038. The technical lead on the project is USEPA Region 9.

The Subarea 5B Field Sampling Plan (FSP) Addendum supports the field implementation of the overall soil sampling program and is an addendum to the master FSP for Soil Sampling (HGL, 2010).

PURPOSE

The purpose of this document is to implement Revision 1 of the Subarea 5B FSP Addendum. The scope of Revision 1 is to document the rationale for Round 1 soil sample locations in Group 8 of Subarea 5B that are located within or near the 17th Street drainage area.

The 17th Street drainage area is a “Likely Remediation Zone” as identified by the California Department of Toxic Substances Control (DTSC) and Department of Energy (DOE). Based on existing chemical test results, USEPA understands that most, if not all, surface soil may be excavated and removed from the area identified as the 17th Street drainage “Likely Remediation Zone” shown on Figure 9, Revision 1. Therefore, USEPA reduced the density of surface soil samples in the zone's interior, maintained two subsurface only soil samples to define potential contamination at depth and maintained several surface/subsurface samples at the zone's perimeter to better define the potential extent of contamination associated with this

zone. To illustrate this change, Table 1, Table 2 and Figure 9 of the 5B FSP Addendum were revised to reflect this change and are presented below.

It should also be noted that in accordance with our role under the December 2010 DTSC/DOE cleanup agreement for the SSFL site, USEPA will conduct verification soil sampling post excavation to evaluate the attainment of site soil cleanup levels at all such remediation zones.

Table 2
Revised Summary of Sample Numbers in Subarea 5B by Group

| Group | Surface | Subsurface | Total |
|--------------|----------------|-------------------|--------------|
| 1 | 55 | 71 | 126 |
| 2 | 14 | 23 | 37 |
| 3 | 12 | 15 | 27 |
| 4 | 9 | 14 | 23 |
| 5 | 4 | 8 | 12 |
| 6 | 28 | 25 | 53 |
| 7 | 12 | 18 | 30 |
| 8 | 56 | 67 | 123 |
| Total | 190 | 239 | 431 |

SCHEDULE

Round 1 soil sampling within Subarea 5B is anticipated to commence on December 8, 2010, and be completed by late March 2011. The USEPA will provide periodic updates to SSFL Stakeholders regarding the status of the soil sampling program as well as the laboratory analysis and data interpretation.

REFERENCES

HydroGeoLogic, Inc., 2010. Field Sampling Plan for Soil Sampling, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. October.

LIST OF ATTACHMENTS

- Attachment 1 Table 1 (Revision 1)
- Attachment 2 Figure 9 (Revision 1)

ATTACHMENT 1

Table 1 Summary of Soil Sample Locations in Subarea 5B, Revision 1

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------------------|-------------|---|---|---------------------------------|
| Group 1 | Surface | 1 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | This location was used as the site for operation of an experimental nuclear reactor. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 1 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | This location was used as the site for operation of an experimental nuclear reactor. | Default + SS + Tritium |
| Group 1 | Surface | 2 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of a gas hold-up tank (Dwg 303-010-M6). | Default + SS + Tritium |
| Group 1 | Subsurface ² | 2 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of a gas hold-up tank (Dwg 303-010-M6). | Default + SS + Tritium |
| Group 1 | Surface | 3 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of the pipe well sump (Dwg 303-010-S5). | Default + SS + Tritium |
| Group 1 | Subsurface ² | 3 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of the pipe well sump (Dwg 303-010-S5). | Default + SS + Tritium |
| Group 1 | Surface | 311 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of the pipe well sump (Dwg 303-010-S5). | Default + SS + Tritium |
| Group 1 | Subsurface ² | 311 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of the pipe well sump (Dwg 303-010-S5). | Default + SS + Tritium |
| Group 1 | Surface | 312 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of the pipe well sump (Dwg 303-010-S5). | Default + SS + Tritium |
| Group 1 | Subsurface ² | 312 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of the pipe well sump (Dwg 303-010-S5). | Default + SS + Tritium |
| Group 1 | Surface | 4 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of NaK storage tanks T1, T4, and T5 (Dwg 303-010-E18). | Default + SS + Tritium |
| Group 1 | Subsurface | 4 | Northeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of NaK storage tanks T1, T4, and T5 (Dwg 303-010-E18). | Default + SS + Tritium |
| Group 1 | Surface | 5 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 5 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Surface | 6 | Southeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of NaK storage tanks T1, T4, and T5 (Dwg 303-010-E18). | Default + SS + Tritium |
| Group 1 | Subsurface | 6 | Southeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of NaK storage tanks T1, T4, and T5 (Dwg 303-010-E18). | Default + SS + Tritium |
| Group 1 | Surface | 291 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 291 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Surface | 7 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 7 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Surface | 8 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 8 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Surface | 9 | Northwest Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 9 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Surface | 10 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 10 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Surface | 11 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of abandoned septic tank discharge line | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 11 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of abandoned septic tank discharge line | Default + SS + Tritium |
| Group 1 | Surface | 306 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of abandoned septic tank discharge line | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 306 | Northwest of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of abandoned septic tank discharge line | Default + SS + Tritium |
| Group 1 | Surface | 12 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------------------|-------------|---|---|---------------------------------|
| Group 1 | Subsurface ¹ | 12 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Surface | 292 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 292 | Inside Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of reactor pit and location of Co-60 concentration (48 pCi/g) measured in 1981 in subsurface soil. | Default + SS + Tritium |
| Group 1 | Surface | 13 | Southeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of NaK storage tanks T1, T4, and T5 (Dwg 303-010-E18). | Default + SS + Tritium |
| Group 1 | Subsurface | 13 | Southeast of Building 4010 footprint (SNAP 2 Experimental Reactor Building) | Location of NaK storage tanks T1, T4, and T5 (Dwg 303-010-E18). | Default + SS + Tritium |
| Group 1 | Surface | 14 | Southeast of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic tank discharge line. | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 14 | Southeast of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic tank discharge line. | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 15 | Southeast of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic tank discharge line. | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 16 | Inside footprint of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic system leach field. | Default + SS + Tritium |
| Group 1 | Surface | 17 | Southeast of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic system leach field. | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 17 | Southeast of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic system leach field. | Default + SS + Tritium |
| Group 1 | Surface | 18 | Southeast of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic system leach field. | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 18 | Southeast of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic system leach field. | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 19 | East of Building 4010 and along septic tank discharge line | Location of abandoned septic tank. | Default + SS + Tritium |
| Group 1 | Surface | 20 | East of Building 4010 and along septic tank discharge line | Location of abandoned septic tank. | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 20 | East of Building 4010 and along septic tank discharge line | Location of abandoned septic tank. | Default + SS + Tritium |
| Group 1 | Subsurface ³ | 21 | Southeast of Building 4012 footprint (SNAP Critical Test Facility) | Location of abandoned septic system leach field. | Default + SS + Tritium |
| Group 1 | Surface | 22 | Along Group 1 north fence | Aerial photo analysis show possible WDA-6. | Default + SS + Tritium |
| Group 1 | Subsurface | 22 | Along Group 1 north fence | Aerial photo analysis show possible WDA-6. | Default + SS + Tritium |
| Group 1 | Subsurface | 23 | Along Group 1 north fence | Aerial photo analysis show possible WDA-6. | Default + SS + Tritium |
| Group 1 | Surface | 24 | Along Group 1 north fence | Aerial photo analysis show possible OS-7. | Default + SS + Tritium |
| Group 1 | Subsurface | 24 | Along Group 1 north fence | Aerial photo analysis show possible OS-7. | Default + SS + Tritium |
| Group 1 | Subsurface | 25 | Along Group 1 north fence | Aerial photo analysis show probable stain. | Default + SS + Tritium |
| Group 1 | Surface | 26 | Along Group 1 north fence | Aerial photo analysis show OS. | Default + SS + Tritium |
| Group 1 | Subsurface | 26 | Along Group 1 north fence | Aerial photo analysis show OS. | Default + SS + Tritium |
| Group 1 | Surface | 27 | North of Building 4019 | Aerial photo analysis show OS-10 and probable stain. | Default + SS + Tritium |
| Group 1 | Subsurface | 27 | North of Building 4019 | Aerial photo analysis show OS-10 and probable stain. | Default + SS + Tritium |
| Group 1 | Subsurface | 28 | North of Building 4019 | Aerial photo analysis show OS-10 and probable stain. | Default + SS + Tritium |
| Group 1 | Surface | 294 | Inside Building 4012 footprint in area of critical cell (room 110) | Location of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface | 294 | Inside Building 4012 footprint in area of critical cell (room 110) | Location of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Surface | 29 | Inside Building 4012 footprint in area of critical cell (room 110) | Location of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface | 29 | Inside Building 4012 footprint in area of critical cell (room 110) | Location of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface | 30 | Inside Building 4012 footprint in area of critical cell (room 110) | Location of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Surface | 31 | North of Building 4012 footprint in area of critical cell (room 110) | Location of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface | 31 | North of Building 4012 footprint in area of critical cell (room 110) | Location of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Surface | 32 | Southwest of Building 4012 footprint (outside of room 104) | Location of radioactive liquid waste tank aka "survey tank" (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface ⁴ | 32 | Southwest of Building 4012 footprint (outside of room 104) | Location of radioactive liquid waste tank aka "survey tank" (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface ⁴ | 33 | Southwest of Building 4012 footprint (outside of room 104) | Location of radioactive liquid waste tank aka "survey tank" (Dwg 303-012-A1). | Default + SS + Tritium |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------------------|-------------|---|--|---------------------------------|
| Group 1 | Surface | 307 | Southwest of Building 4012 footprint (outside of room 104) | Location of radioactive liquid waste tank aka "survey tank" (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface ⁴ | 307 | Southwest of Building 4012 footprint (outside of room 104) | Location of radioactive liquid waste tank aka "survey tank" (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Surface | 308 | Southwest of Building 4012 footprint (outside of room 104) | Location of radioactive liquid waste tank aka "survey tank" (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface ⁴ | 308 | Southwest of Building 4012 footprint (outside of room 104) | Location of radioactive liquid waste tank aka "survey tank" (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Surface | 34 | Inside Building 4012 footprint in area of critical cell (room 110) | Location of south of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Subsurface | 34 | Inside Building 4012 footprint in area of critical cell (room 110) | Location of south of SNAP critical cell and assembly room (Dwg 303-012-A1). | Default + SS + Tritium |
| Group 1 | Surface | 35 | Area between Buildings 4010 and 4012 footprints | Geophysical survey indicates potential underground anomaly and location is along septic sys. discharge line. | Default + SS + Tritium |
| Group 1 | Subsurface | 35 | Area between Buildings 4010 and 4012 footprints | Geophysical survey indicates potential underground anomaly and location is along septic sys. discharge line. | Default + SS + Tritium |
| Group 1 | Surface | 36 | Area between Buildings 4010 and 4012 footprints | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Subsurface | 36 | Area between Buildings 4010 and 4012 footprints | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Subsurface | 37 | Area between Buildings 4010 and 4012 footprints | Geophysical survey indicates potential underground anomalies; ground-penetrating radar shows potential buried metal. | Default + SS + Tritium |
| Group 1 | Surface | 295 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Subsurface | 295 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Surface | 296 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Subsurface | 296 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Surface | 280 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Subsurface | 280 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Surface | 281 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Subsurface | 281 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Surface | 282 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Subsurface | 282 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Surface | 283 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Subsurface | 283 | Within footprint of Building 4013 | Location of potential gamma anomaly and geophysical anomaly. | Default + SS + Tritium |
| Group 1 | Surface | 297 | Area north of Building 4013 | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Subsurface | 297 | Area north of Building 4013 | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Surface | 298 | Area north of Building 4013 | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Subsurface | 298 | Area north of Building 4013 | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Surface | 39 | Area north of Building 4013 | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Subsurface | 39 | Area north of Building 4013 | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Subsurface | 40 | Northeast of Building 4019 (SNAP Flight System Nuclear Qual. Test Building) | Geophysical survey indicates potential underground anomalies; staining noted in aerial photo analysis. | Default + SS + Tritium |
| Group 1 | Subsurface | 41 | Northeast of Building 4019 | Geophysical survey indicates potential underground anomalies. | Default + SS + Tritium |
| Group 1 | Subsurface | 42 | Northeast of Building 4019 | Along the length of a sanitary sewage line. | Default + SS + Tritium |
| Group 1 | Subsurface | 43 | Northeast of Building 4019 | Along the length of a sanitary sewage line. | Default + SS + Tritium |
| Group 1 | Subsurface | 44 | South of Building 4019 | Location of radioactive liquid waste hold tank outside of room 107. | Default + SS + Tritium |
| Group 1 | Subsurface | 45 | South of Building 4013 | Along the length of a sanitary sewage line. | Default + SS + Tritium |
| Group 1 | Subsurface | 46 | South of Building 4013 | Along the length of a sanitary sewage line. | Default + SS + Tritium |
| Group 1 | Subsurface | 47 | South of Building 4012 | Along the length of a sanitary sewage line. | Default + SS + Tritium |
| Group 1 | Surface | 287 | Immediately east of Building 4025 | Area south of location of a ground scar shown in the aerial photo analysis. | Default + SS + Tritium |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------------------|-------------|---|---|---------------------------------|
| Group 1 | Subsurface | 287 | Immediately east of Building 4025 | Area south of location of a ground scar shown in the aerial photo analysis. | Default + SS + Tritium |
| Group 1 | Surface | 48 | East of Building 4025 (Remote Handling Mock-up Building) | Location of a ground scar shown in the aerial photo analysis. | Default + SS + Tritium |
| Group 1 | Subsurface | 48 | East of Building 4025 (Remote Handling Mock-up Building) | Location of a ground scar shown in the aerial photo analysis. | Default + SS + Tritium |
| Group 1 | Surface | 49 | Inside footprint of Building 4025 | Location of a pit on the south end of the Building footprint. | Default + SS + Tritium |
| Group 1 | Subsurface | 49 | Inside footprint of Building 4025 | Location of a pit on the south end of the Building footprint. | Default + SS + Tritium |
| Group 1 | Surface | 229 | East of Building 4010 | Southeast of location of SNAP 2 ER. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 229 | East of Building 4010 | Southeast of location of SNAP 2 ER. | Default + SS + Tritium |
| Group 1 | Surface | 230 | East of Building 4010 | Southeast of location of SNAP 2 ER. | Default + SS + Tritium |
| Group 1 | Subsurface ¹ | 230 | East of Building 4010 | Southeast of location of SNAP 2 ER. | Default + SS + Tritium |
| Group 1 | Surface | 231 | East of Building 4010 | Location of gas hold-up tank (Dwg 303-010-M6). | Default + SS + Tritium |
| Group 1 | Subsurface ² | 231 | East of Building 4010 | Location of gas hold-up tank (Dwg 303-010-M6). | Default + SS + Tritium |
| Group 1 | Subsurface | 309 | East of Building 4010 | Location of gas hold-up tank (Dwg 303-010-M6). | Default + SS + Tritium |
| Group 1 | Subsurface ² | 309 | East of Building 4010 | Location of gas hold-up tank (Dwg 303-010-M6). | Default + SS + Tritium |
| Group 1 | Surface | 310 | East of Building 4010 | Location of gas hold-up tank (Dwg 303-010-M6). | Default + SS + Tritium |
| Group 1 | Subsurface ² | 310 | East of Building 4010 | Location of gas hold-up tank (Dwg 303-010-M6). | Default + SS + Tritium |
| Group 1 | Drainage | 289 | Storm channel along 17th street and south of PZ-121 | Potential surface migration through storm water runoff. | Default |
| Group 1 | Drainage | 290 | Storm channel along 17th street and southwest of PZ-121 | Potential surface migration through storm water runoff. | Default |
| Group 1 | Drainage | 137 | Storm grate along 17th street and southeast of PZ-121 | Potential surface migration through storm water runoff. | Default |
| Group 2 | Subsurface | 50 | South of Building 4355 footprint (Control Center for SCTI) | Location probable leakage noted in aerial photos. | Default |
| Group 2 | Surface | 51 | South of Building 4355 footprint | Location probable leakage noted in aerial photos. | Default |
| Group 2 | Subsurface | 51 | South of Building 4355 footprint | Location probable leakage noted in aerial photos. | Default |
| Group 2 | Subsurface | 52 | Far lower west side of Group 2 in area of Building 4335 footprint | Location of stain noted in aerial photos. | Default |
| Group 2 | Subsurface | 53 | Far lower west side of Group 2 in area of Building 4335 footprint | Location of stain noted in aerial photos. | Default |
| Group 2 | Surface | 54 | Far lower west side of Group 2 in area of Building 4335 footprint | Location of stain noted in aerial photos. | Default |
| Group 2 | Subsurface | 54 | Far lower west side of Group 2 in area of Building 4335 footprint | Location of stain noted in aerial photos. | Default |
| Group 2 | Subsurface | 55 | Area over Building 4356 (Sodium Component Test Ins. High Bay) footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 56 | Area over Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Surface | 57 | Area of northwest corner of Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 57 | Area of northwest corner of Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Surface | 299 | Area east of concrete pad | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 299 | Area east of concrete pad | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 58 | Area west of Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Surface | 59 | Area over Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 59 | Area over Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 60 | Area over Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Surface | 61 | Area over Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 61 | Area over Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Surface | 235 | Area between 20th street and Building 4356 | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 235 | Area between 20th street and Building 4356 | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Surface | 62 | Area over Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 2 | Subsurface | 62 | Area over Building 4356 footprint | Geophysical survey indicates potential underground anomalies. | Default |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------------------|-------------|---|---|---------------------------------|
| Group 2 | Subsurface | 63 | Area northwest of Building 4457 footprint | Geophysical survey indicates potential buried metal. | Default |
| Group 2 | Surface | 64 | Area northwest of Building 4457 footprint | Geophysical survey indicates potential buried metal. | Default |
| Group 2 | Subsurface | 64 | Area northwest of Building 4457 footprint | Geophysical survey indicates potential buried metal. | Default |
| Group 2 | Surface | 65 | Area between Buildings 4457 and 4357 footprints | Aerial photos indicate presence of a possible stain. | Default |
| Group 2 | Subsurface | 65 | Area between Buildings 4457 and 4357 footprints | Aerial photos indicate presence of a possible stain. | Default |
| Group 2 | Subsurface | 66 | Area between northwest of Building 4006 | Aerial photos indicate presence of a possible stain. | Default |
| Group 2 | Surface | 67 | Area between northwest of Building 4006 | Aerial photos indicate presence of an area of dark toned material. | Default |
| Group 2 | Subsurface | 67 | Area between northwest of Building 4006 | Aerial photos indicate presence of an area of dark toned material. | Default |
| Group 2 | Subsurface | 68 | Area between northwest of Building 4006 | Aerial photos indicate presence of an area of dark toned material. | Default |
| Group 2 | Subsurface | 69 | Area east of Building 4357 footprint | Location of sodium tank pit containment sump. | Default |
| Group 2 | Surface | 70 | Area east of Building 4457 footprint | Location of sodium tank pit and trench. | Default |
| Group 2 | Subsurface | 70 | Area east of Building 4457 footprint | Location of sodium tank pit and trench. | Default |
| Group 2 | Drainage | 138 | Storm drainage channel along 17th street and north of Building 4006 | Potential surface migration through storm water runoff. | Default |
| Group 3 | Drainage | 139 | Drainage sample along 17th street and near west corner of Building 4006 | Potential surface migration through storm water runoff. | Default |
| Group 3 | Surface | 71 | Area south of Building 4006 (Sodium Laboratory) | Geophysical survey indicates potential buried metal; location of potential gamma anomaly. | Default |
| Group 3 | Subsurface | 71 | Area south of Building 4006 | Geophysical survey indicates potential buried metal; location of potential gamma anomaly. | Default |
| Group 3 | Surface | 72 | Area south of Building 4006 | Geophysical survey indicates potential buried metal; location of potential gamma anomaly. | Default |
| Group 3 | Subsurface | 72 | Area south of Building 4006 | Geophysical survey indicates potential buried metal; location of potential gamma anomaly. | Default |
| Group 3 | Surface | 73 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 73 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Surface | 74 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 74 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Surface | 75 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 75 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Surface | 76 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 76 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Surface | 77 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 77 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Surface | 78 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 78 | Area north of Building 4704 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Surface | 301 | Area east of Building 4816 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 301 | Area east of Building 4816 footprint | Location of potential gamma anomaly; location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 79 | Area east of Building 4816 footprint | Location of stain noted in aerial photos. | Default |
| Group 3 | Subsurface | 80 | Area south of Building 4816 footprint | Location of possible leakage noted in aerial photos and horizontal tank. | Default |
| Group 3 | Subsurface ³ | 81 | Area southwest of Building 4006 | Location of abandoned septic tank. | Default |
| Group 3 | Subsurface ³ | 82 | Area southwest of Building 4006 | Location of abandoned septic tank. | Default |
| Group 3 | Surface | 83 | Area north of Building 4616 footprint | Location of potential gamma anomaly. | Default |
| Group 3 | Subsurface | 83 | Area north of Building 4616 footprint | Location of potential gamma anomaly. | Default |
| Group 3 | Surface | 84 | Area south of Building 4616 footprint | Location of potential gamma anomaly. | Default |
| Group 3 | Subsurface | 84 | Area south of Building 4616 footprint | Location of potential gamma anomaly. | Default |
| Group 4 | Surface | 85 | Area south of Building 4226 footprint | Location of former sump described in Subarea HSA 5B TM. | Default |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------------------|-------------|---|--|---------------------------------|
| Group 4 | Subsurface | 85 | Area south of Building 4226 footprint | Location of former sump described in Subarea HSA 5B TM. | Default |
| Group 4 | Surface | 86 | Area inside Building 4026 (Large Component Test Loop Complex) footprint | Location of potential gamma anomaly. | Default |
| Group 4 | Subsurface | 86 | Area inside Building 4026 footprint | Location of potential gamma anomaly. | Default |
| Group 4 | Surface | 87 | Area inside Building 4026 footprint | Geophysical survey indicates potential underground anomalies and buried metal. | Default |
| Group 4 | Subsurface | 87 | Area inside Building 4026 footprint | Geophysical survey indicates potential underground anomalies and buried metal. | Default |
| Group 4 | Subsurface | 88 | Area inside Building 4026 footprint | Geophysical survey indicates potential underground anomalies and buried metal. | Default |
| Group 4 | Surface | 89 | Area north Building 4026 footprint | Past facility operation history in Subarea HSA 5B; location of former catch basin. | Default |
| Group 4 | Subsurface | 89 | Area north Building 4026 footprint | Location of former catch basin described in Subarea HSA 5B. | Default |
| Group 4 | Subsurface | 90 | Area inside Building 4026 footprint | Location of former catch basin described in Subarea HSA 5B. | Default |
| Group 4 | Surface | 91 | Area inside Building 4026 footprint | Potential location of former sodium tanks described in Subarea HSA 5B. | Default |
| Group 4 | Subsurface | 91 | Area inside Building 4026 footprint | Potential location of former sodium tanks described in Subarea HSA 5B. | Default |
| Group 4 | Surface | 92 | Area inside Building 4026 footprint | Potential location of former sodium tanks described in Subarea HSA 5B. | Default |
| Group 4 | Subsurface | 92 | Area inside Building 4026 footprint | Potential location of former sodium tanks described in Subarea HSA 5B. | Default |
| Group 4 | Subsurface | 93 | Area south Building 4226 and east 4358 footprints | Location of stain noted in aerial photos. | Default |
| Group 4 | Subsurface | 94 | Area south Building 4226 and east 4358 footprints | Location of stain noted in aerial photos. | Default |
| Group 4 | Surface | 95 | Area south Building 4226 and east 4358 footprints | Location of stain noted in aerial photos. | Default |
| Group 4 | Subsurface | 95 | Area south Building 4226 and east 4358 footprints | Location of stain noted in aerial photos. | Default |
| Group 4 | Subsurface | 96 | Area south Building 4226 and east 4358 footprints | Location of stain noted in aerial photos. | Default |
| Group 4 | Surface | 102 | Inside Building 4358 footprint | Location of "possible saturated material" noted in aerial photos. | Default |
| Group 4 | Subsurface | 102 | Inside Building 4358 footprint | Location of "possible saturated material" noted in aerial photos. | Default |
| Group 4 | Surface | 103 | Inside Building 4826 (Sodium Component Test Loop Test Facility) footprint | Past facility operation history in Subarea HSA 5B; potential location of former sodium tanks and drains. | Default |
| Group 4 | Subsurface | 103 | Inside Building 4826 (Sodium Component Test Loop Test Facility) footprint | Past facility operation history in Subarea HSA 5B; potential location of former sodium tanks and drains. | Default |
| Group 4 | Subsurface | 104 | Inside Building 4826 (Sodium Component Test Loop Test Facility) footprint | Past facility operation history in Subarea HSA 5B; potential location of former sodium tanks and drains. | Default |
| Group 5 | Surface | 105 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 5 | Subsurface | 105 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 5 | Subsurface | 106 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 5 | Subsurface | 107 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 5 | Surface | 108 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies and buried metal. | Default |
| Group 5 | Subsurface | 108 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies and buried metal. | Default |
| Group 5 | Surface | 109 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 5 | Subsurface | 109 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 5 | Subsurface | 110 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 5 | Subsurface | 111 | Area north of Building 4334 footprint | Geophysical survey indicates potential underground anomalies. | Default |
| Group 6 | Subsurface ³ | 97 | Area south Building 4226 and east 4358 footprints | Location of stain noted in aerial photos and along location of septic system discharge line. | Default |
| Group 6 | Surface | 98 | Area south Building 4226 and east 4358 footprints | Location of stain noted in aerial photos and along location of septic system discharge line. | Default |
| Group 6 | Subsurface ³ | 98 | Area south Building 4226 and east 4358 footprints | Location of stain noted in aerial photos and along location of septic system discharge line. | Default |
| Group 6 | Subsurface ³ | 99 | Area south of Building 4334 footprint | Location of "possible saturated material" noted in aerial photos and along septic system discharge line. | Default |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------------------|-------------|---|--|---------------------------------|
| Group 6 | Surface | 100 | Area south of Building 4334 footprint | Location of "possible saturated material" noted in aerial photos and along septic system discharge line. | Default |
| Group 6 | Subsurface ³ | 100 | Area south of Building 4334 footprint | Location of "possible saturated material" noted in aerial photos and along septic system discharge line. | Default |
| Group 6 | Surface | 101 | Area south of Building 4334 footprint | Location of "possible saturated material" noted in aerial photos and along septic system discharge line. | Default |
| Group 6 | Subsurface ³ | 101 | Area south of Building 4334 footprint | Location of "possible saturated material" noted in aerial photos and along septic system discharge line. | Default |
| Group 6 | Subsurface ³ | 112 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Subsurface ³ | 113 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Surface | 114 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Subsurface ³ | 114 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Subsurface ³ | 115 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Subsurface ³ | 116 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Surface | 117 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Subsurface ³ | 117 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Surface | 118 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Subsurface ³ | 118 | Area south of Building 4334 footprint | Potential leach field location. | Default |
| Group 6 | Surface | 119 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 119 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Surface | 120 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 120 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Surface | 121 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 121 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Surface | 122 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 122 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Surface | 123 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 123 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Surface | 124 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 124 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Surface | 125 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 125 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Surface | 126 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 126 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Surface | 129 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 129 | Central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Drainage | 131 | Storm drainage channel along 18th street | Potential surface migration through storm water runoff. | Default |
| Group 6 | Drainage | 132 | Storm drainage channel along 18th street | Potential surface migration through storm water runoff. | Default |
| Group 6 | Drainage | 133 | Storm drainage channel along 18th street | Potential surface migration through storm water runoff. | Default |
| Group 6 | Drainage | 134 | Storm drainage channel along 18th street | Potential surface migration through storm water runoff. | Default |
| Group 6 | Drainage | 135 | Storm drainage channel along 18th street | Potential surface migration through storm water runoff. | Default |
| Group 6 | Drainage | 136 | Storm drainage channel at corner of 17th and 18th streets | Potential surface migration through storm water runoff. | Default |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------|-------------|--|--|---------------------------------|
| Group 6 | Drainage | 257 | Storm drainage channel at corner of 17th and 18th streets | Potential surface migration through storm water runoff. | Default |
| Group 6 | Drainage | 140 | Culvert along 20th street and near upper west corner of Group 6 | Potential surface migration through storm water runoff. | Default |
| Group 6 | Drainage | 141 | Storm drainage channel and culvert at corner of 18th and 20th street | Potential surface migration through storm water runoff. | Default |
| Group 6 | Surface | 142 | Lower central area of Group 6 | Past facility operation history in Subarea HSA 5B TM; location of "vertical tank" noted in aerial photo. | Default |
| Group 6 | Subsurface | 142 | Lower central area of Group 6 | Past facility operation history in Subarea HSA 5B TM; location of "vertical tank" noted in aerial photo. | Default |
| Group 6 | Surface | 253 | Open area on lower southwest corner of Group 6 | Geophysical survey indicates potential underground anomalies. | Default |
| Group 6 | Subsurface | 253 | Open area on lower southwest corner of Group 6 | Geophysical survey indicates potential underground anomalies. | Default |
| Group 6 | Surface | 254 | Open area on lower southwest corner of Group 6 | Geophysical survey indicates potential underground anomalies. | Default |
| Group 6 | Subsurface | 254 | Open area on lower southwest corner of Group 6 | Geophysical survey indicates potential underground anomalies. | Default |
| Group 6 | Surface | 143 | Lower central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 6 | Subsurface | 143 | Lower central area of Group 6 | Location of potential gamma anomaly. | Default |
| Group 7 | Drainage | 302 | Culvert along 17th street between transformer yard and 17th street | Potential surface migration through storm water runoff. | Default |
| Group 7 | Drainage | 303 | Culvert along 17th street between transformer yard and 17th street | Potential surface migration through storm water runoff. | Default |
| Group 7 | Drainage | 144 | Storm drainage channel at corner of 17th and G streets | Potential surface migration through storm water runoff. | Default |
| Group 7 | Subsurface | 145 | Northeast corner of Building 4011 | Potential location of septic tank noted in aerial photos. | Default |
| Group 7 | Subsurface | 146 | Northeast corner of Building 4011 | Potential location of septic tank noted in aerial photos. | Default |
| Group 7 | Drainage | 147 | Drainage sample along G street and south of Building 4011 | Potential surface migration through storm water runoff. | Default |
| Group 7 | Subsurface | 258 | Area north of Building 4500 | Location of OS-20 and possible stain noted in aerial photos. | Default |
| Group 7 | Subsurface | 259 | Area north of Building 4500 | Location of OS-20 and possible stain noted in aerial photos. | Default |
| Group 7 | Surface | 262 | Area south of Building 4007 footprint | Location of potential gamma anomaly. | Default |
| Group 7 | Subsurface | 262 | Area south of Building 4007 footprint | Location of potential gamma anomaly. | Default |
| Group 7 | Surface | 263 | Area between Buildings 4007 and 4008 footprints | Geophysical survey indicates potential underground anomaly. | Default |
| Group 7 | Subsurface | 263 | Area between Buildings 4007 and 4008 footprints | Geophysical survey indicates potential underground anomaly. | Default |
| Group 7 | Surface | 264 | Area south of Building 4007 footprint | Location of potential gamma anomaly. | Default |
| Group 7 | Subsurface | 264 | Area south of Building 4007 footprint | Location of potential gamma anomaly. | Default |
| Group 7 | Subsurface | 148 | Area between G street and Building 4011 | Past facility operation history in Subarea HSA 5B TM; location of OS-20 and possible stain noted in aerial photos. | Default |
| Group 7 | Surface | 149 | Area between G street and Building 4011 | Location of potential gamma anomaly. | Default |
| Group 7 | Subsurface | 149 | Area between G street and Building 4011 | Location of potential gamma anomaly. | Default |
| Group 7 | Surface | 150 | Area between G street and Building 4011 | Location of potential gamma anomaly. | Default |
| Group 7 | Subsurface | 150 | Area between G street and Building 4011 | Location of potential gamma anomaly. | Default |
| Group 7 | Subsurface | 151 | Intersection of G street and 20th street | Geophysical survey indicates potential underground anomalies and probable stain noted in aerial photos. | Default |
| Group 7 | Subsurface | 152 | Intersection of G street and 20th street | Geophysical survey indicates potential underground anomalies and probable stain noted in aerial photos. | Default |
| Group 7 | Surface | 153 | Intersection of G street and 20th street | Geophysical survey indicates potential underground anomalies and probable stain noted in aerial photos. | Default |
| Group 7 | Subsurface | 153 | Intersection of G street and 20th street | Geophysical survey indicates potential underground anomalies and probable stain noted in aerial photos. | Default |
| Group 7 | Subsurface | 154 | Area between 20th street and Building 4011 | Past facility operation history in Subarea HSA 5B TM; probable stain and OS-15 noted in aerial photos. | Default |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------|-------------|---|--|---------------------------------|
| Group 7 | Surface | 155 | Area between 20th street and Building 4011 | Past facility operation history in Subarea HSA 5B TM; probable stain and OS-15 noted in aerial photos. | Default |
| Group 7 | Subsurface | 155 | Area between 20th street and Building 4011 | Past facility operation history in Subarea HSA 5B TM; probable stain and OS-15 noted in aerial photos. | Default |
| Group 7 | Surface | 156 | Area between 20th street and Building 4011 | Past facility operation history in Subarea HSA 5B TM; probable stain and OS-15 noted in aerial photos. | Default |
| Group 7 | Subsurface | 156 | Area between 20th street and Building 4011 | Past facility operation history in Subarea HSA 5B TM; probable stain and OS-15 noted in aerial photos. | Default |
| Group 7 | Subsurface | 157 | Area between 20th street and Building 4011 | Past facility operation history in Subarea HSA 5B TM; probable stain and OS-15 noted in aerial photos. | Default |
| Group 7 | Subsurface | 158 | Area between 20th street and Building 4011 | Past facility operation history in Subarea HSA 5B TM; probable stain and OS-15 noted in aerial photos. | Default |
| Group 8 | Surface | 159 | North of control road IV and south of Group 8 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 159 | North of control road IV and south of Group 8 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Surface | 269 | Area of southeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 269 | Area of southeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 270 | Area of southeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 270 | Area of southeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 271 | Area of southeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 271 | Area of southeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 160 | Bottom of Group 8 and east of PZ-051 | Location of potential gamma and geophysical anomalies. | Default |
| Group 8 | Subsurface | 160 | Bottom of Group 8 and east of PZ-051 | Location of potential gamma and geophysical anomalies. | Default |
| Group 8 | Surface | 161 | Bottom of Group 8 and east of PZ-051 | Location of potential gamma and geophysical anomalies. | Default |
| Group 8 | Subsurface | 161 | Bottom of Group 8 and east of PZ-051 | Location of potential gamma and geophysical anomalies. | Default |
| Group 8 | Surface | 162 | Bottom of Group 8 and east of PZ-051 | Location of potential gamma and geophysical anomalies. | Default |
| Group 8 | Subsurface | 162 | Bottom of Group 8 and east of PZ-051 | Location of potential gamma and geophysical anomalies. | Default |
| Group 8 | Subsurface | 163 | Bottom of Group 8 and east of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 164 | Bottom of Group 8 and east of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 165 | Bottom of Group 8 and east of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Surface | 166 | Bottom center of Group 8 and east of PZ-051 | Past facility operation history in Subarea HSA 5B TM; "light toned mounded material" noted in aerial photos. | Default |
| Group 8 | Subsurface | 166 | Bottom center of Group 8 and east of PZ-051 | Past facility operation history in Subarea HSA 5B TM; "light toned mounded material" noted in aerial photos. | Default |
| Group 8 | Subsurface | 167 | Bottom center of Group 8 and east of PZ-051 | Past facility operation history in Subarea HSA 5B TM; "light toned mounded material" noted in aerial photos. | Default |
| Group 8 | Subsurface | 168 | Bottom center of Group 8 and east of PZ-051 | Past facility operation history in Subarea HSA 5B TM; "light toned mounded material" noted in aerial photos. | Default |
| Group 8 | Surface | 169 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 169 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 170 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Drainage | 284 | Lower central area of Group 8 | Channel that drains into 17th street drainage area (south of berm). | Default |
| Group 8 | Drainage | 285 | Lower area of Group 8 at 20th Street and G Street | Channel that drains south into Subarea 5C. | Default |
| Group 8 | Drainage | 286 | Lower area of Group 8 at 20th Street and G Street | Channel that drains south into Subarea 5C. | Default |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|---------------------------|-------------|--------------------------------------|--|---------------------------------|
| Group 8 | Subsurface | 171 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Surface | 172 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 172 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Surface | 173 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 173 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 174 | Bottom of Group 8 and west of PZ-051 | Geophysical survey indicates potential underground anomaly. | Default |
| Group 8 | Subsurface | 175 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 176 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 176 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 177 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 178 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 178 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 179 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface ³ | 180 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Surface | 181 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Subsurface ³ | 181 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Subsurface ³ | 182 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Surface ⁷ | 183 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Subsurface ^{3,7} | 183 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Subsurface ^{3,7} | 184 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Subsurface ^{3,7} | 185 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Surface | 186 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 186 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 187 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 187 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 188 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 189 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 189 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 190 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 191 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 192 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 192 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 193 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 194 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 194 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|---------------------------|-------------|---|--|---------------------------------|
| Group 8 | Subsurface | 195 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 196 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 196 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 197 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 198 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 198 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 199 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 199 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 200 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 201 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface | 202 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Subsurface | 202 | Southwest portion of Group 8 | Geophysical survey indicates potential underground anomaly and FA-11 aerial photo | Default |
| Group 8 | Surface ⁷ | 203 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Subsurface ^{3,7} | 203 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Surface | 204 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Subsurface ³ | 204 | Southwest portion of Group 8 | Geophysical survey indicates potential anomaly co-located with FA-11 aerial photo feature and leach field. | Default |
| Group 8 | Surface | 205 | Southwest portion of Group 8 | Aerial photos indicate a ground scar. | Default |
| Group 8 | Subsurface | 205 | Southwest portion of Group 8 | Aerial photos indicate a ground scar. | Default |
| Group 8 | Surface | 206 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 206 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 207 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 207 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 208 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 208 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 209 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 209 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 210 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 210 | Eastern portion of Group 8 and north and west of PZ-052 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 272 | Eastern portion of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 272 | Eastern portion of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 273 | Eastern portion of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 273 | Eastern portion of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 274 | Eastern portion of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 274 | Eastern portion of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 211 | Eastern portion of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 211 | Eastern portion of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 275 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 275 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------|-------------|--|--|---------------------------------|
| Group 8 | Surface | 276 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 276 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 277 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 277 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 278 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 278 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Surface | 279 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Subsurface | 279 | Northeast corner of Group 8 | Location of potential gamma anomaly. | Default |
| Group 8 | Drainage | 212 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Drainage | 213 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Drainage | 214 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Drainage | 215 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Drainage | 216 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Drainage | 217 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Surface | 218 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during remediation. | Default + SS |
| Group 8 | Subsurface | 218 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during remediation. | Default + SS |
| Group 8 | Drainage | 219 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Surface | 255 | Channel that drains into 17th street drainage area (west of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Subsurface | 255 | Channel that drains into 17th street drainage area (west of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Surface | 304 | Channel that drains into 17th street drainage area (west of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Subsurface | 304 | Channel that drains into 17th street drainage area (west of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Surface | 220 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during remediation. | Default + SS |
| Group 8 | Subsurface | 220 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during remediation. | Default + SS |
| Group 8 | Drainage | 221 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during remediation. | Default + SS |
| Group 8 | Surface | 222 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during remediation. | Default + SS |
| Group 8 | Subsurface | 222 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during remediation. | Default + SS |
| Group 8 | Surface | 223 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during remediation. | Default + SS |

Table 1, Revision 1
Summary of Soil Sample Locations in Subarea 5B

| Group | Sample Type | Location ID | Location Description | Technical Justification | Analytical Suite ^{5,6} |
|---------|-------------|-------------|--|---|---------------------------------|
| Group 8 | Subsurface | 223 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample is within "Likely Remediation Zone" and was retained to characterize depth of contamination. | Default + SS |
| Group 8 | Surface | 224 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during | Default + SS |
| Group 8 | Subsurface | 224 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample is within "Likely Remediation Zone" and was retained to characterize depth of contamination. | Default + SS |
| Group 8 | Surface | 305 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during | Default + SS |
| Group 8 | Subsurface | 305 | Channel that drains into 17th street drainage area (north of berm) | Potential surface migration through storm water runoff. Sample omitted due to occurrence in a DOE "Likely Remediation Zone" and the soil will likely be removed during | Default + SS |
| Group 8 | Surface | 225 | Channel that drains into 17th street drainage area (south of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Subsurface | 225 | Channel that drains into 17th street drainage area (south of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Surface | 226 | Channel that drains into 17th street drainage area (south of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Subsurface | 226 | Channel that drains into 17th street drainage area (south of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Surface | 227 | Channel that drains into 17th street drainage area (south of berm) | Potential surface migration through storm water runoff. | Default + SS |
| Group 8 | Subsurface | 227 | Channel that drains into 17th street drainage area (south of berm) | Potential surface migration through storm water runoff. | Default + SS |

Notes:

All surface and subsurface soil samples are collected following decision rules in the Field Sampling Plan for Soil Sampling (HGL, 2010a) except in unique locations such as those that contain below grade reactor vessels and waste tanks. In these locations, the rationale for targeting the subsurface depth interval of interest is identified by location according to the notes below.

¹Within the footprint and outside perimeter of Building 4010, the subsurface target sample collection interval is 15 - 20 feet bgs. This is based on drawing 303-010-S3 that shows the lowest structure point in building 4010 to be approx. 17 feet underneath the reactor vault. Therefore at each location, two samples will be collected, one between 1-5 foot interval, and the second between the 15-20 foot interval. Additional samples between these intervals, or lower, may be collected based on the results of borehole gamma logging.

²Design and installation details of the Gas Hold Tank and Sump shown in drawings 303-010-M6 and 303-010-S5 identify the bottom of these waste units being at 12 and 20 feet bgs., respectively. Samples from the 1-5 foot interval will be collected from both locations. At the gas hold tank location, the subsurface samples will be collected from the 15-20 foot interval and at the sump location the subsurface samples will be collected from the 20-25 foot interval. Additional samples either between these intervals, or lower, may be collected based on the results of borehole gamma scan results.

³At the three septic system (discharge line, tank, and leach field) locations within Subarea 5B, the target depth interval will be 3 - 5 feet bgs based on typical design details for the leach field that serves Building 4010 that indicates the depth of the leach field piping at approximately 36 inches bgs. Samples in the 5 - 10 feet depth interval will be collected only if gamma anomalies are identified.

⁴Design and installation details of the Survey Tank (Bldg 4012) shown in drawings 303-012-A1 identify the bottom of this tank being at 12 feet bgs. The subsurface samples from this location will be collected from the 10-15 foot depth interval.

⁵Default suite includes the radionuclide analysis shown in Table 2.4 of the Field Sampling Plan for Soil Sampling (HGL, 2010a). ALL SAMPLES WILL BE ANALYZED FOR DEFAULT SUITE.

⁶Site-specific indicates that C-14, Ni-63, Ni-59, and Tc-99 will be added to the suite of radiological laboratory analysis identified in Table 2.4 of the Field Sampling Plan for Soil Sampling (HGL, 2010a).

⁷This sample coincides with the location of small concrete structures observed in a photograph of this area that was presented by Stakeholders during the technical review meeting on November 19, 2010. These are believed to be concrete storage tank saddles used during a period at SSFL when natural gas was used and stored at this location.

bgs - below ground surface

Dwg - drawing

ER - experimental reactor

HSA - Historical Site Assessment

NaK - Sodium Potassium

OS - open storage

pCi/g - pico curies per gram

SNAP - Systems for Nuclear Auxiliary Power

SS - site-specific

SSFL - Santa Susana Field Laboratory

TM - Technical Memorandum

WDA - waste disposal area

ATTACHMENT 2

Figure 9 Subarea 5B Group 8 Sample Locations, Revision 1

Figure 9- Rev 1 Subarea 5B Group 8 Sample Locations Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

Buildings:

Demolished

Existing

Subarea 5B Groups

Drainage Sample

Subsurface Sample

Surface and Subsurface Sample

Changed

Omitted

Likely Remediation Zones

(Grayed Symbols Represent Soil Samples from Previous Subareas)

