# Status Call Agenda

Pre-Design Investigation
OU3 – TCE, PVGCS Site

**STATUS CALL NO. 9 (May 14, 2018)**

**INVITEES:**

- U.S. Environmental Protection Agency (USEPA): Kim O'Connell, Michelle Granger
- U.S. Army Corps of Engineers (USACE): Paul Garnier, Neal Kolb, Joshua Watts, Wendy Stonestreet, Erin Hauber, Bradley Brink
- Rio Tinto - Luis Hidalgo, Roy Duckett, Charles Masson
- Ramboll US Corporation (Ramboll): Bruce Kennington, David Heidlauf, Stan Popelar, Mike Eddings, Scott Tarmann

**1. OUTSTANDING ITEMS FROM PREVIOUS STATUS CALL**

- None

**2. INVESTIGATION ACTIVITIES PERFORMED LAST WEEK (May 7 - May 13, 2018)**

- Drilling activities were conducted at borings PDI-SB02A (completed at 123 feet), PDI-SB19A (completed at 113 feet), VMP-02 (completed at 105 feet), and VMP-01 (in progress at 95 feet).
- Abandoned/Grouted boreholes at PDI-SB02A and PDI-SB19A.
- Patched surface concrete at PDI-SB02A and PDI-SB19A.
- Analyzed collected soil samples for VOCs, summarized data.

**3. CONSTRUCTION ACTIVITIES SCHEDULED FOR THIS WEEK (week of May 14 - 20, 2018)**

- A 10-day work interval begins today, Monday, May 14th.
- Complete sampling at boring VMP-1.
- Conduct Drilling/Well Replacement POHMW12.
- Conduct drilling activities at borings VMP-3, and possibly SVE-1.
- Conduct Vapor Monitoring Point Construction at VMP-1, VMP-2, and possibly VMP-3.
- Analyze soil samples collected from VMP-1 for VOCs.
- Following completion of analysis of soils samples collected from VMP-1, the Mobile Laboratory will be demobilized from the site and return to Vermont. If needed, additional samples collected during the Pre-Design Investigation will be shipped to the Mobile Laboratory for analysis.

**4. HEALTH AND SAFETY**

- No First Aid or OSHA Recordable incidents were reported to date.

**5. FIELD MODIFICATIONS**

- None this week.



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## 6. DIFFICULTIES ENCOUNTERED

- None.

## 7. INVESTIGATION SCHEDULE

- Updated schedule was provided Today, on May 14, 2018.

## 8. UPCOMING INSPECTIONS

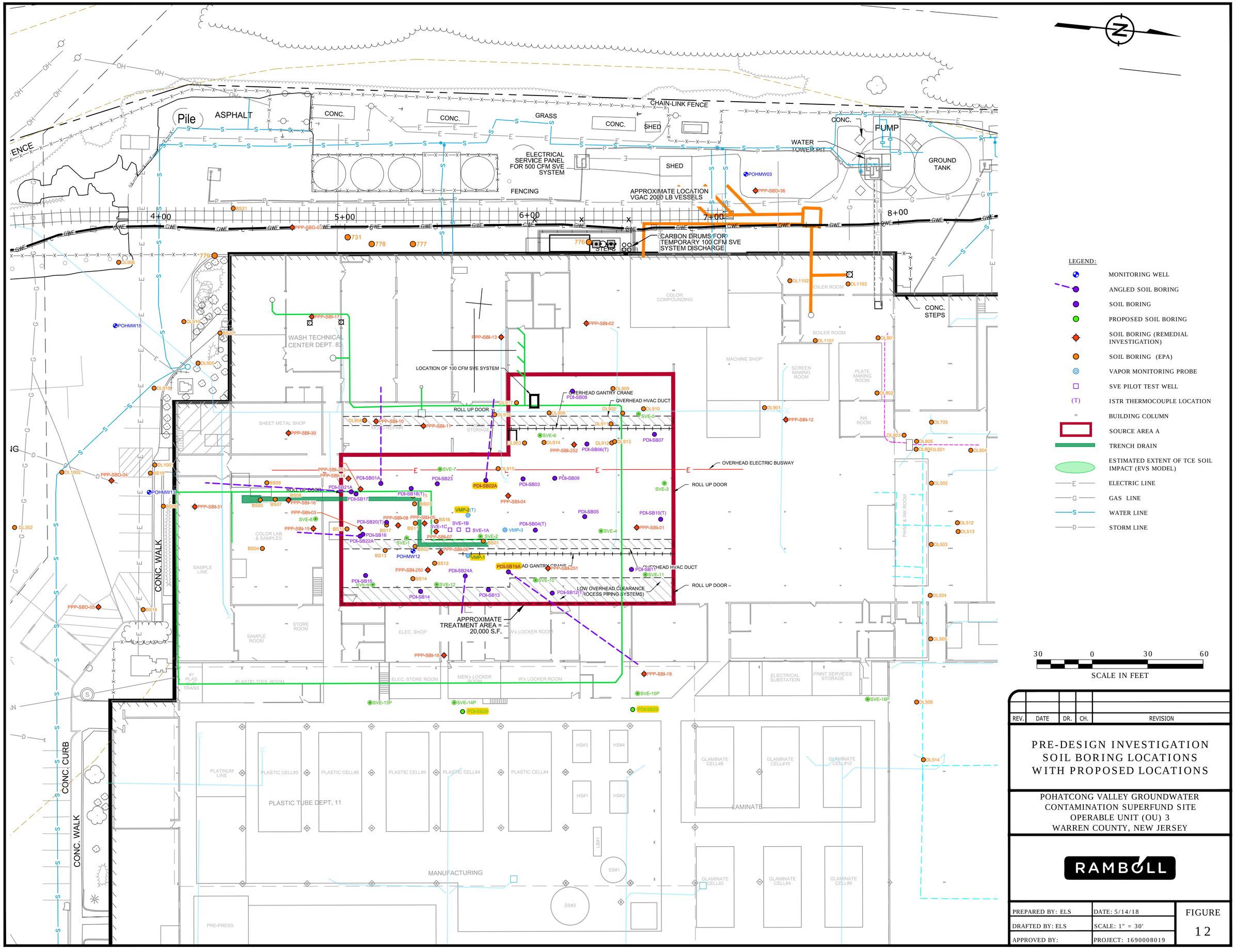
- None scheduled.

## 9. RECENT AND UPCOMING SUBMITTALS

- None scheduled.

## 10. OTHER ACTIVITIES SCHEDULED FOR DISCUSSION

- Review of draft (unvalidated) preliminary TCE soil results (See attach table and Figure 12; borings recently completed or in progress are highlighted yellow).
- Review proposal to install two additional vertical borings PDI-SB25 and PDI-SB26 in the western aisle of the Albéa Main Production Area to the east of the former Mold Room.
    - The proposed borings will be terminated below a depth of 105 feet bgs (slightly below base of the observed >1 ppm impact zone), providing field screening data (PID readings) suggest the soil is not adversely impacted (<1ppm TCE) at that depth. In the event that field screening data suggest the soil at that depth is adversely impacted (>1ppm TCE), then sampling will continue until screening data suggests the soils are non-adversely impacted (<1ppm TCE), or until 122 feet bgs, whichever occurs first.
    - Work would be conducted in the Albéa Main Production Area during the scheduled plant shut down during the week after Memorial Day (May 29 to June 4).
    - Samples collected for these additional soil borings will be shipped to the Mobile Laboratory in Vermont for analysis on a rush TAT basis.




| REV. | DATE | DR. | CH. | REVISION |
|---|---|---|---|---|

# PRE-DESIGN INVESTIGATION SOIL BORING LOCATIONS WITH PROPOSED LOCATIONS

POHATCONG VALLEY GROUNDWATER CONTAMINATION SUPERFUND SITE
OPERABLE UNIT (OU) 3
WARREN COUNTY, NEW JERSEY

RAMBOLL

| | | |
|---|---|---|
| PREPARED BY: ELS | DATE: 5/14/18 | FIGURE 12 |
| DRAFTED BY: ELS | SCALE: 1" = 30' | |
| APPROVED BY: | PROJECT: 1690008019 | |

L:\Loop Project Files_CAD\1690008019-005_RT_WBS A3.B2.80 33 2413_OU3 MW12_Acad\12_Pre-Design Investigation SB Locations with Proposed Locations.dwg

**Pre-Design Investigation**
**DRAFT Preliminary TCE Soil Results**
**OU3, PVGCS Site, Washington, New Jersey**

| Boring | PDI-SB01A | | PDI-SB02A | | PDI-SB03 | | PDI-SB04 | | PDI-SB05 | | PDI-SB06 | | PDI-SB07 | | PDI-SB08 | | PDI-SB09 | | PDI-SB10 | | PDI-SB11 | | PDI-SB12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Angle | 67° | | 70° | | 90° | | 90° | | 90° | | 90° | | 90° | | 90° | | 90° | | 90° | | 90° | | 90° | |
| Result type | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry |
| Units | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg |
| 2-2.5' | | | | | 27.9 U | 32.4 U | | | 34.0 U | 38.4 U | 31.9 U | 35.7 U | 35.0 U | 38.0 U | 33.0 U | 37.4 U | 32.4 U | 35.8 U | | | | | 35.4 U | 40.1 U |
| 4.5-5' | | | | | 32.6 U | 36.6 U | | | 35.4 U | 39.5 U | 31.1 U | 35.3 U | 36.1 U | 40.6 U | 33.3 U | 39.9 U | 31.3 U | 36.1 U | | | | | 34.7 U | 38.7 U |
| 7-7.5' | | | | | 27.5 U | 32.9 U | | | 33.6 U | 35.5 U | 33.5 U | 39.6 U | 32.1 U | 37.9 U | 32.3 U | 35.7 U | 35.9 U | 40.3 U | | | | | 33.2 U | 37.6 U |
| 9.5-10' | | | | | 27.6 U | 32.4 U | | | 36.4 U | 41.8 U | 30.9 U | 35.1 U | 31.2 U | 37.1 U | 35.0 U | 40.3 U | 28.9 U | 30.9 U | | | | | 35.3 U | 39.0 U |
| 12-12.5' | | | | | 28.6 U | 32.6 U | | | 10.2 J | 12.6 J | | | 30.8 U | 34.9 U | 34.5 U | 40.5 U | 35.1 U | 38.5 U | | | | | 34.8 U | 40.4 U |
| 14.5-15' | | | | | 28.4 U | 33.1 U | | | 31.9 U | 34.2 U | 31.8 U | 37.0 U | 34.1 U | 39.9 U | 31.2 U | 36.2 U | 35.3 U | 38.8 U | | | | | 33.5 U | 36.7 U |
| 17-17.5' | | | | | 27.8 U | 32.4 U | | | 27.6 U | 30.1 U | 32.7 U | 35.3 U | 34.8 U | 39.9 U | 22.8 U | 38.7 U | 27.7 U | 31.4 U | | | | | 29.6 U | 32.3 U |
| 19.5-20' | | | | | 27.2 U | 31.4 U | | | 18.6 J | 21.8 J | 33.5 U | 40.2 U | 32.6 U | 38.0 U | 33.0 U | 39.2 U | 29.6 U | 32.6 U | | | | | 33.6 U | 39.2 U |
| 22-22.5' | | | | | 29.2 U | 33.7 U | | | 31.1 U | 36.2 U | 32.4 U | 37.3 U | 32.1 U | 37.2 U | 32.2 U | 38.7 U | 27.6 U | 31.1 U | | | | | 36.9 U | 43.6 U |
| 24.5-25' | | | | | 27.4 U | 31.7 U | | | 32.4 U | 38.0 U | 33.1 U | 37.1 U | 32.0 U | 36.3 U | 32.7 U | 37.0 U | 31.1 U | 35.8 U | | | | | 32.7 U | 37.2 U |
| 27-27.5' | | | | | 28.9 U | 33.6 U | | | | | 31.4 U | 35.6 U | 27.1 U | 30.9 U | 31.9 U | 36.9 U | 31.6 U | 34.3 U | | | | | 34.3 U | 38.7 U |
| 29.5-30' | | | | | 30.4 U | 35.1 U | | | 35.1 | 43.4 | 32.3 U | 36.0 U | 27.3 U | 31.1 U | 31.7 U | 36.8 U | 32.2 U | 34.6 U | | | | | 26.8 U | 31.5 U |
| 32-32.5' | | | | | 29.7 U | 32.3 U | | | 87.4 | 111 | 31.7 U | 36.8 U | 27.3 U | 30.5 U | 33.4 U | 38.7 U | 19.2 J | 21.5 J | | | | | 32.9 U | 37.3 U |
| 34.5-35' | | | | | 29.2 U | 30.6 U | | | 43.5 | 50.1 | 32.0 U | 35.5 U | | | 33.4 U | 36.7 U | 30.7 U | 34.5 U | | | | | 33.8 U | 39.3 U |
| 37-37.5' | | | | | 26.7 U | 27.9 U | | | 34.0 U | 34.8 U | 33.4 U | 34.9 U | 34.0 U | 38.4 U | | | 30.9 U | 34.3 U | | | | | 33.2 U | 37.9 U |
| 39.5-40' | | | | | 28.6 U | 30.0 U | | | 13.3 J | 15.0 J | 35.8 U | 41.4 U | 33.6 U | 36.6 U | | | 30.9 U | 36.2 U | | | | | 35.1 U | 38.6 U |
| 42-42.5' | 29.7 U | 34.7 U | 34.1 U | 38.1 U | 26.8 U | 29.0 U | 30.6 U | 35.9 U | 33.1 U | 36.4 U | 31.5 U | 36.2 U | 34.8 U | 38.1 U | 31.0 U | 34.7 U | 38.1 U | 43.3 U | 34.1 U | 39.6 U | 36.6 U | 40.6 U | 31.1 U | 35.3 U |
| 44.5-45' | 27.8 U | 31.9 U | 35.8 U | 41.1 U | 34.8 U | 37.2 U | 32.4 U | 36.2 U | 32.0 U | 35.6 U | 35.2 U | 40.0 U | | | 31.8 U | 35.3 U | 38.9 | 44 | 32.7 U | 37.7 U | 29.0 U | 31.4 U | 31.6 U | 37.6 U |
| 47-47.5' | 28.1 U | 29.9 U | 31.9 U | 35.8 U | | | | | 11.0 J | 12.3 J | 32.7 U | 37.5 U | | | 32.2 U | 37.3 U | 33.5 U | 37.5 U | 32.9 U | 37.3 U | 30.5 U | 34.4 U | 32.9 U | 38.6 U |
| 49.5-50' | 30.2 U | 33.2 U | | | 28.3 U | 31.6 U | | | 30.8 U | 34.8 U | 32.5 U | 39.0 U | | | 33.0 U | 37.2 U | 33.9 U | 37.5 U | 32.7 U | 36.6 U | 28.0 U | 29.8 U | 32.8 U | 36.4 U |
| 52-52.5' | 28.9 U | 32.8 U | 35.7 U | 40.3 U | 27.4 U | 31.1 U | 32.4 U | 36.1 U | 33.9 U | 36.3 U | 30.2 U | 33.4 U | 32.8 U | 35.7 U | 33.8 U | 39.2 U | 31.7 U | 33.2 U | 31.9 U | 36.3 U | 28.8 U | 31.5 U | 30.7 U | 35.4 U |
| 54.5-55' | | | 35.7 U | 40.2 U | 12.2 J | 14.3 J | 32.3 U | 34.0 U | 69.5 | 83.3 | 33.8 U | 37.0 U | 28.4 U | 31.4 U | 29.2 U | 30.2 U | 31.2 U | 36.0 U | 40.7 | 49.2 | 26.9 U | 30.2 U | 31.7 U | 34.3 U |
| 57-57.5' | 27.5 U | 31.2 U | 32.5 U | 35.5 U | 31.1 U | 34.0 U | 21.7 J | 25.6 J | 34.7 | 39.5 | 32.4 U | 35.6 U | 34.2 U | 38.4 U | 31.3 U | 35.0 U | 33.1 U | 33.9 U | 23.3 J | 27.9 J | 28.8 U | 31.9 U | 33.1 U | 36.1 U |
| 59.5-60' | 11.4 J | 13.1 J | 32.8 U | 36.3 U | 27.9 U | 30.0 U | 25.4 J | 28.9 J | 30.3 J | 36.4 J | 28.3 U | 31.0 U | 32.5 U | 35.3 U | 34.0 U | 34.7 U | 980 | 1120 | 40.7 | 48.5 | 35.4 U | 38.1 U | 33.3 U | 35.0 U |
| 62-62.5' | 238 | 275 | 152 | 176 | 43.4 | 48.8 | | | 206 | 232 | 93.5 | 108 | 10.8 J | 12.2 J | 314 | 366 | 28.3 U | 30.4 U | 36.3 U | 42.2 U | 27.7 U | 30.8 U | | |
| 64.5-65' | 352 | 409 | 221 | 252 | 28.4 U | 30.9 U | 22.9 J | 25.9 J | 237 | 267 | 1450 | 1660 | 33.5 U | 38.4 U | 531 | 618 | | | 28.8 U | 32.5 U | 27.9 U | 29.4 U | | |
| 67-67.5' | 166 | 190 | 64.9 | 73.6 | 942 | 1090 | 35.6 U | 38.6 U | 78.8 | 90 | 593 | 680 | 573 | 656 | 421 | 490 | 2930 | 3400 | 31.1 U | 32.9 U | 30.6 U | 33.6 U | | |
| 69.5-70' | 74.4 | 84.6 | 59.6 J | 68.7 J | 568 | 651 | 588 | 673 | 57.3 | 64.6 | 2020 | 2290 | 660 | 752 | 375 | 424 | 1630 | 1950 | 10.3 J | 11.8 J | 27.8 U | 30.4 U | | |
| 70.5-71' | | | | | | | 3570 | 4100 | | | | | | | | | 3670 | 4200 | | | | | | |
| 72-72.5' | 103 | 116 | 158 | 177 | 679 | 755 | 4030 | 4660 | 302 | 348 | 3010 | 3480 | 441 | 501 | 1420 | 1600 | 1570 | 1760 | 61.7 | 73.8 | 30.2 U | 33.1 U | 34.9 U | 35.9 U |
| 74.5-75' | 101 | 115 | 1090 | 1290 | 62.1 | 70 | 4040 | 4560 | 31.1 U | 34.7 U | 2300 | 2650 | 148 | 168 | 1460 | 1700 | | | 38.4 U | 43.6 U | 30.2 U | 33.4 U | 3940 | 4680 |
| 77-77.5' | 270 | 318 | 723 | 814 | 400 | 502 | 931 | 1080 | 146 | 167 | 42.8 | 46.9 | 232 | 264 | 1370 | 1550 | | | 36.0 U | 40.9 U | 28.1 U | 30.6 U | | |
| 79.5-80' | 200 | 234 | 1180 | 1430 | 1150 | 1310 | 2900 | 3250 | 21.2 J | 23.7 J | 5830 | 6650 | 243 | 275 | 463 | 521 | 6450 | 7390 | 34.9 U | 38.9 U | 50.1 | 56 | 5360 | 6160 |
| 82-82.5' | 103 | 119 | 462 | 555 | 30.4 U | 33.2 U | 2990 | 3430 | 107 | 122 | 7670 | 8770 | 451 | 509 | 1650 | 1880 | 29.2 U | 33.1 U | 24.8 U | 26.5 U | 71.1 | 79.6 | 4740 | 5380 |
| 83-83.5' | | | | | | | 305 | 339 | | | | | | | | | | | | | | | 1070 | 1170 |
| 84.5-85' | 12.3 J | 14.3 J | 141 | 162 | 32.3 | 35.5 | | | 438 | 507 | 212 | 257 | 211 | 237 | 709 | 787 | 497 | 584 | 120 | 137 | 59.1 | 66.3 | 7280 | 8400 |
| 87-87.5' | 15.5 J | 21.0 J | 32.3 U | 33.0 U | 27.5 U | 29.3 U | 32.9 U | 34.1 U | 141 | 167 | 13.4 J | 14.2 J | 176 | 201 | 2970 | 3540 | 30.6 U | 31.2 U | 310 | 372 | 42.9 | 47.6 | 5170 | 5890 |
| 88.5-89' | | | | | | | | | | | | | | | | | | | | | | | | |
| 89.5-90' | 13.8 J | 16.5 J | 34.3 U | 36.4 U | 26.8 U | 28.3 U | 32.2 U | 33.0 U | 75 | 95.8 | 122 | 143 | 632 | 703 | 3370 | 3950 | 33.5 U | 34.7 U | 127 | 145 | 302 | 332 | 2350 | 2800 |
| 92-92.5' | 12.4 J | 15.2 J | 36.2 U | 37.4 U | 28.9 U | 30.0 U | 32.6 U | 34.2 U | 55.6 | 64.7 | 32.4 U | 33.6 U | 1090 | 1280 | 437 | 571 | 13.1 J | 14.7 J | 75.5 | 84.1 | 104 | 120 | 1090 | 1320 |
| 94.5-95' | 30.3 U | 35.0 U | 37.6 U | 43.0 U | 30.9 U | 31.9 U | 35.1 U | 38.9 U | 21.2 J | 24.6 J | 35.7 U | 36.2 U | 140 | 165 | 20.7 J | 23.1 J | 30.1 U | 31.1 U | | | 74.9 | 92.4 | 20.9 J | 22.8 J |
| 97-97.5' | 29.6 | 33.9 | 31.5 U | 34.9 U | 27.9 U | 31.8 U | 31.1 U | 33.9 U | 20.1 J | 23.0 J | 33.2 U | 34.3 U | 166 | 208 | 99.8 | 123 | 28.4 J | 32.4 J | 28.2 U | 31.5 | 81.5 | 96.1 | 66.7 | 76.6 |
| 99.5-100' | 75 | 81.8 | 33.4 U | 34.4 U | 27.8 U | 32.4 U | 32.8 U | 36.2 U | 10.8 J | 12.6 J | 32.7 U | 35.4 U | 82.9 | 99.4 | 34.5 U | 35.3 U | 34.7 J | 39.8 J | 132 | 148 | 22.1 J | 27.6 J | 35.4 U | 38.0 U |
| 102-102.5' | 68 | 71.9 | 31.1 U | 32.2 U | 22.2 J | 26.7 J | 33.5 U | 33.6 U | 11.3 J | 12.9 J | 13.2 J | 14.3 J | 31.4 U | 35.2 U | 31.7 U | 33.4 U | 24.7 J | 30.1 J | 19.8 J | 22.7 J | 46.7 U | 56.0 U | 32.5 U | 34.7 U |
| 104.5-105' | 29.7 U | 30.3 U | 30.9 U | 32.2 U | 28.4 U | 31.7 U | 32.3 U | 38.4 U | 33.8 U | 35.0 U | 16.1 J | 17.9 J | 34.3 U | 35.3 U | 33.1 U | 35.4 U | 35.3 U | 41.1 U | 84 | 106 | 129 | 167 | 27.1 U | 29.3 U |
| 107-107.5' | 31.0 U | 31.7 U | 33.2 U | 37.5 U | 31.7 U | 32.9 U | 33.8 | 38.5 | 35.3 U | 37.8 U | 33.3 U | 35.8 U | 30.8 U | 33.4 U | 33.1 U | 34.4 U | 26.7 U | 28.6 U | 74.3 | 92.4 | 35.7 U | 39.9 U | 33.3 U | 34.4 U |
| 109.5-110' | 27.5 U | 29.6 U | 33.7 U | 36.2 U | 27.8 U | 30.5 U | 31.9 U | 32.3 U | 35.5 U | 36.5 U | 33.8 U | 36.1 U | 31.2 U | 33.9 U | 32.4 U | 32.8 U | 34.7 U | 37.5 U | 52.1 | 63.9 | 23.9 J | 29.9 J | 26.3 U | 26.8 U |
| 112-112.5' | 30.6 U | 31.9 U | 32.6 U | 33.1 U | 26.8 U | 29.1 U | 31.8 U | 36.7 U | 27.0 U | 31.1 U | | | 32.1 U | 35.8 U | 33.5 U | 36.5 U | 28.9 U | 31.4 U | 14.0 J | 16.5 J | 29.8 U | 33.6 U | 29.4 U | 30.7 U |
| 114.5-115' | 30.9 U | 31.7 U | 34.1 U | 35.6 U | 14.3 U | 15.4 U | 32.6 U | 39.6 U | 34.0 U | 36.8 U | 34.7 U | 41.4 U | 28.1 U | 30.7 U | 32.7 U | 33.4 U | 33.6 U | 34.9 U | | | 19.0 J | 22.2 J | 33.8 U | 39.4 U |
| 117-117.5' | 28.4 U | 29.5 U | 34.8 U | 39.8 U | | | 32.6 U | 35.9 U | 28.0 U | 30.5 U | 33.6 U | 39.8 U | 35.8 U | 38.7 U | 31.3 U | 34.2 U | 32.9 U | 38.0 U | 54.7 | 69.1 | 435 | 574 | 34.2 U | 37.6 U |
| 119.5-120' | 28.3 U | 29.0 U | 31.8 U | 35.6 U | 31.7 U | 34.3 U | 34.6 U | 39.4 U | 31.7 U | 33.5 U | 35.0 U | 41.1 U | 34.4 U | 43.3 U | 34.9 U | 39.4 U | 28.9 U | 32.8 U | 97.8 | 124 | 154 | 197 | 32.4 U | 36.9 U |
| 122-122.5' | 31.0 U | 32.2 U | 31.9 U | 34.6 U | 27.2 U | 30.0 U | 33.7 U | 35.3 U | 30.1 U | 32.8 U | 32.5 U | 36.3 U | 33.9 U | 38.2 U | 32.4 U | 35.6 U | 39.6 U | 43.5 U | 38.2 | 45.4 | 28.4 U | 30.1 U | 27.8 U | 29.8 U |
| 124.5-125' | | | | | 28.6 U | 32.9 U | | | | | 33.5 U | 37.4 U | | | | | | | 30.5 U | 36.0 U | 30.3 U | 32.8 U | | |
| 127-127.5 | | | | | 28.6 U | 31.9 U | | | | | 34.3 U | 36.8 U | | | | | | | 36.5 U | 44.8 U | 30.6 U | 33.7 U | | |
| 128.5-129' | | | | | 38.2 U | 41.3 U | | | | | 32.4 U | 37.2 U | | | | | | | | | 31.6 U | 34.6 U | | |
| 132-132.5' | | | | | | | | | | | 33.7 U | 38.1 U | | | | | | | | | | | | |
| 134.5-135 | | | | | 29.0 U | 32.1 U | | | | | 33.4 U | 36.7 U | | | | | | | | | | | | |
| 137.5-138 | | | | | 29.7 U | 32.2 U | | | | | | | | | | | | | | | | | | |
| 139.5-140' | | | | | | | | | | | | | | | | | | | | | | | | |
| 142-142.5' | | | | | | | | | | | | | | | | | | | | | | | | |
| 145-145.5' | | | | | | | | | | | | | | | | | | | | | | | | |

| Boring | PDI-SB13 | | PDI-SB14 | | PDI-SB15 | | PDI-SB16 | | PDI-SB17 | | PDI-SB18 | | PDI-SB19A | | PDI-SB20 | | PDI-SB21A | | PDI-SB22A | | PDI-SB23 | | PDI-SB24A | | VMP-1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Angle | 90° | | 90° | | 90° | | 90° | | 90° | | 90° | | 55* | | 90° | | 50° | | 70° | | 90° | | 80° | | 90° | |
| Result type | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry | Wet | Dry |
| Units | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg |
| 2-2.5' | 37.9 U | 43.2 U | | | 39.6 U | 45.6 U | | | 28.2 U | 33.0 U | 33.4 U | 40.1 U | 27.0 U | 29.0 U | 28.4 U | 34.4 U | 27.5 U | 32.7 U | 31.2 U | 36.0 U | 30.3 U | 35.1 U | | | | |
| 4.5-5' | 37.0 U | 42.6 U | | | 31.1 U | 36.1 U | | | 28.3 U | 32.3 U | 28.2 U | 32.9 U | 31.1 U | 34.1 U | 30.0 U | 35.2 U | 26.8 U | 31.7 U | 35.8 U | 41.3 U | 31.2 U | 37.2 U | 28.2 U | 33.1 U | 27.6 U | |
| 7-7.5' | 38.6 U | 45.0 U | | | 31.9 U | 35.2 U | | | 32.8 U | 39.2 U | 27.3 U | 31.5 U | | | 32.9 U | 39.5 U | 28.8 U | 32.9 U | 32.6 U | 36.2 U | 32.9 U | 38.6 U | 26.9 U | 30.6 U | 28.0 U | |
| 9.5-10' | 35.1 U | 40.7 U | | | 28.2 U | 31.0 U | | | 27.8 U | 31.9 U | 28.7 U | 30.9 U | 28.0 U | 32.6 U | 30.1 U | 34.9 U | 30.5 U | 34.7 U | 32.8 U | 38.9 U | 28.6 U | 31.8 U | 28.1 U | 32.9 U | 27.7 U | |
| 12-12.5' | 37.4 U | 41.3 U | | | 28.2 U | 32.7 U | | | 30.7 U | 36.0 U | 28.3 U | 29.0 U | 28.8 U | 30.2 U | 28.8 U | 33.4 U | 30.1 U | 35.8 U | 33.2 U | 39.4 U | 33.7 | 40.9 | 28.6 U | 34.1 U | 29.7 U | |
| 14.5-15' | 39.6 U | 45.3 U | | | 28.8 U | 34.6 U | | | 32.0 U | 37.8 U | 29.5 U | 34.1 U | 27.6 U | 32.0 U | 29.6 U | 34.7 U | 31.3 U | 35.6 U | 27.4 U | 30.8 U | | | 27.6 U | 32.2 U | 26.5 U | |
| 17-17.5' | 37.0 U | 43.7 U | | | 31.3 U | 33.4 U | | | 33.8 U | 37.1 U | 28.4 U | 33.5 U | 27.4 U | 32.0 U | 36.1 U | 42.6 U | 30.9 U | 36.6 U | | | | | 26.9 U | 31.1 U | 11.8 J | |
| 19.5-20' | 38.1 U | 43.4 U | | | 27.3 U | 32.8 U | | | 32.7 U | 37.9 U | 31.4 U | 35.2 U | 28.2 U | 33.3 U | 28.4 U | 33.6 U | 28.4 U | 32.1 U | 26.5 U | 31.1 U | | | 27.1 U | 31.3 U | 29.2 U | |
| 22-22.5' | 36.2 U | 41.4 U | | | 29.6 U | 35.0 U | | | 31.7 U | 37.4 U | 29.1 U | 38.3 U | 11.2 J | 13.5 J | 27.6 U | 32.3 U | 29.0 U | 33.9 U | 29.2 U | 34.4 U | 35.9 U | 40.7 U | 27.0 U | 30.7 U | 28.9 U | |
| 24.5-25' | | | | | | | | | 32.4 U | 37.1 U | 27.4 U | 32.2 U | | | 27.9 U | 32.5 U | 27.6 U | 32.3 U | 27.1 U | 31.5 U | 28.9 U | 33.1 U | 26.7 U | 30.7 U | 11.5 J | |
| 27-27.5' | 31.5 U | 36.4 U | | | | | | | 32.5 U | 36.5 U | 26.6 U | 31.3 U | | | | | 30.8 U | 35.3 U | | | 30.8 U | 35.4 U | 17.6 J | 20.2 J | | |
| 29.5-30' | 29.0 U | 31.7 U | | | | | | | 35.7 U | 38.9 U | 26.8 U | 30.7 U | 29.7 U | 32.7 U | 27.2 U | 32.4 U | 30.3 U | 35.2 U | 30.1 U | 35.7 U | 27.8 U | 31.8 U | 11.4 J | 13.2 J | | |
| 32-32.5' | 28.6 U | 30.9 U | | | | | | | 27.4 U | 31.8 U | 33.3 U | 39.9 U | | | 27.1 U | 31.0 U | 31.5 U | 33.9 U | 29.6 U | 34.1 U | 30.8 U | 34.6 U | 29.6 U | 33.4 U | 27.7 U | |
| 34.5-35' | 29.5 U | 32.5 U | | | | | | | 27.0 U | 31.1 U | 18.9 J | 21.9 J | | | 29.6 U | 33.6 U | 28.9 U | 30.1 U | 27.0 U | 31.0 U | 29.0 U | 31.6 U | 27.8 U | 31.9 U | 29.3 U | |
| 37-37.5' | 29.5 U | 34.3 U | | | | | | | | | 31.0 U | 35.3 U | 26.8 U | 31.1 U | 28.2 U | 31.1 U | 38.3 U | 44.0 U | 28.0 U | 31.6 U | 27.8 U | 29.1 U | 26.1 U | 28.6 U | 19.1 J | |
| 39.5-40' | | | | | | | | | 29.0 U | 32.6 U | 28.3 U | 33.2 U | | | 28.2 U | 31.0 U | 26.9 U | 30.2 U | 27.6 U | 31.5 U | 30.7 U | 33.9 U | 10.2 J | 11.7 J | 26.6 U | |
| 42-42.5' | | | | | | | 26.9 U | 30.4 U | 35.9 U | 37.9 U | 27.0 U | 30.5 U | | | 28.9 U | 32.5 U | 32.4 U | 36.8 U | 27.1 U | 31.4 U | 29.9 U | 32.8 U | 27.0 U | 29.0 U | 28.0 U | |
| 44.5-45' | | | | | | | 27.4 U | 29.9 U | 32.4 U | 33.3 U | 32.2 U | 37.3 U | 26.6 U | 30.6 U | 28.2 U | 31.7 U | 35.9 U | 41.0 U | 27.0 U | 38.0 U | 29.1 U | 30.7 U | 339 | 364 | 17.7 J | |
| 47-47.5' | | | | | | | 28.0 U | 30.3 U | 32.0 U | 34.7 U | 30.8 U | 34.0 U | 27.6 U | 28.8 U | 30.4 U | 34.1 U | 31.8 U | 35.8 U | | | 30.0 U | 34.8 U | 88.6 | 103 | 27.8 U | |
| 49.5-50' | 29.8 U | 32.1 U | | | 31.1 U | 34.1 U | 31.9 U | 32.9 U | 30.6 U | 33.0 U | 28.4 U | 32.7 U | 27.2 U | 29.3 U | 26.8 U | 31.4 U | 30.6 U | 33.6 U | 27.2 U | 31.4 U | 28.4 U | 30.4 U | | | 29.2 U | |
| 52-52.5' | 31.7 U | 33.2 U | 32.9 U | 37.5 U | 31.1 U | 34.1 U | 29.0 U | 32.3 U | 31.6 U | 35.1 U | | | 34 | 41 | 28.5 U | 31.3 U | 31.7 U | 36.5 U | 27.2 U | 31.4 U | | | | | | |
| 54.5-55' | 27.5 U | 29.2 U | 33.2 U | 37.3 U | 27.1 U | 29.4 U | 32.0 U | 36.1 U | 31.1 U | 35.2 U | | | 13.0 J | 14.5 J | 27.4 U | 31.3 U | 27.6 U | 30.5 U | 27.6 U | 32.3 U | 28.1 U | 32.1 U | 12.6 J | 13.7 J | 27.8 U | |
| 57-57.5' | 28.4 U | 29.5 U | | | 28.1 U | 31.2 U | 34.9 U | 40.7 U | 28.4 U | 32.0 U | 27.9 U | 31.2 U | 57 | 31.1 U | 30.9 U | 34.3 U | 27.4 U | 31.1 U | 28.1 U | 36.1 U | 30.4 U | 32.9 U | 83.8 | 94.5 | 27.6 U | |
| 59.5-60' | 27.5 U | 30.5 U | 27.9 U | 30.9 U | 29.2 U | 32.8 U | 26.6 U | 27.6 U | 23.6 J | 26.4 J | 27.1 U | 32.3 U | 31.7 U | 35.9 U | 29.7 U | 31.7 U | 201 | 240 | 20.8 J | | 29.7 U | 31.7 U | 201 | 240 | 20.8 J | |
| 62-62.5' | 48.4 | 54.7 | | | 19.0 J | 21.6 J | 29.3 U | 32.0 U | 21.8 J | 23.4 J | 26.7 U | 29.6 U | 27.9 U | 31.4 U | 27.1 J | 30.3 J | 33 | 37.1 | 17.9 J | | 31.4 U | 37.1 J | 33 | 37.1 | 17.9 J | |
| 64.5-65' | 28.3 U | 32.5 U | 33.9 U | 38.1 U | 31.8 U | 35.5 U | 28.8 U | 30.4 U | 30.8 | 34.1 | 27.4 J | 32.0 J | 18.2 J | 22.5 J | 295 | 335 | 56.9 | 63.1 | 8.74 J | | 295 | 335 | 56.9 | 63.1 | 8.74 J | |
| 67-67.5' | 32.9 U | 38.3 U | 35.5 U | 38.6 U | 29.0 U | 31.9 U | 44.7 | 48 | 4600 | 5290 | 30.2 | 34.5 | 104 | 122 | 946 | 1090 | 432 | 522 | 2540 | | 946 | 1090 | 432 | 522 | 2540 | |
| 69.5-70' | 29.0 U | 33.7 U | 51.6 | 58.9 | 27.0 U | 30.8 U | 205 | 238 | 240 | 265 | 24.5 J | 28.2 J | 273 | 314 | 201 | 225 | 8.12 J | 8.64 J | 3790 | | 201 | 225 | 8.12 J | 8.64 J | 3790 | |
| 70.5-71' | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72-72.5' | 1510 | 1720 | 160 | 183 | 9910 | 11200 | 24.0 J | 28.0 J | 41.6 | 46 | 9.50 J | 11.0 J | 165 J | 189 J | 1080 | 1230 | 1220 | 1400 | 5440 | | 1080 | 1230 | 1220 | 1400 | 5440 | |
| 74.5-75' | 1730 | 1960 | 391 | 445 | 11600 | 13100 | | | 8900 | 10200 | 35.3 | 40.8 | 518 | 585 | 2810 | 3170 | 1630 | 1820 | 4430 | | 2810 | 3170 | 1630 | 1820 | 4430 | |
| 77-77.5' | 1660 | 1870 | 134 | 151 | 487 | 549 | 5570 | 6760 | 7140 | 7980 | 26.6 J | 30.4 J | 853 | 975 | 4250 | 2550 | 3200 | 3770 | | | 4250 | 2550 | 3200 | 3770 | | |
| 79.5-80' | 4780 | 5730 | 193 | 219 | 30000 | 35200 | 1080 | 1210 | 37400 | 44100 | 30.0 J | 34.9 J | 249 | 281 | 4950 | 5710 | 7900 | 9690 | | | 4950 | 5710 | 7900 | 9690 | | |
| 82-82.5' | 4670 | 5630 | 703 | 859 | 9950 | 11100 | 2830 | 3170 | 24300 | 28300 | 29.9 U | 35.5 U | 508 | 579 | 5270 | 6100 | 5870 | 6780 | | | | | | | | |
| 83-83.5' | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84.5-85' | 5430 | 6310 | 165 | 194 | 44.8 | 54.1 | 3090 | 3460 | 6680 | 7830 | 9.29 J | 10.8 J | 774 | 872 | 93 | 104 | 2330 | 2600 | | | | | | | | |
| 87-87.5' | 1670 | 1990 | 210 | 268 | 33.6 U | 35.0 U | 213 | 247 | 314 | 377 | | | 529 | 616 | 30.0 U | 31.4 U | 7170 | 8230 | | | | | | | | |
| 88.5-89' | | | | | | | | | 30.9 U | 33.4 U | | | 27.2 U | 32.2 U | | | | | | | | | | | | |
| 89.5-90' | 951 | 1190 | 22.2 J | 25.7 J | 39.4 U | 43.7 U | 5330 | 6300 | | | 27.4 U | 32.3 U | 9.04 J | 10.9 J | 28.4 U | 30.8 U | 6290 | 7260 | | | | | | | | |
| 92-92.5' | 93.6 | 111 | 33.6 U | 35.7 U | 30.9 U | 32.6 U | 4810 | 5730 | | | 29.2 U | 32.2 U | | | 28.1 U | 29.2 U | 2700 | 3350 | | | | | | | | |
| 94.5-95' | 39 | 45.3 | 31.9 U | 33.5 U | 10.7 J | 12.1 J | 1520 | 1760 | | | | | | | 29.3 U | 32.0 U | 5240 | 6510 | | | | | | | | |
| 97-97.5' | 58.7 | 65.1 | 28.2 U | 30.8 U | 19.5 J | 20.3 J | 679 | 796 | 429 | 521 | | | | | 27.0 U | 31.1 U | 1140 | 1390 | | | | | | | | |
| 99.5-100' | 123 | 141 | 29.3 U | 31.1 U | 27.0 U | 28.0 U | 379 | 478 | 49.6 | 58.8 | | | | | 34.0 U | 38.9 U | 267 | 321 | | | | | | | | |
| 102-102.5' | 112 | 137 | 42.1 | 52.4 | 28.4 U | 29.7 U | | | 865 | 1170 | | | | | 31.0 U | 31.8 U | 1840 | 2120 | | | | | | | | |
| 104.5-105' | 16.0 J | 17.8 J | 11.3 J | 14.5 J | 29.7 U | 32.2 U | 134 | 160 | 171 | 217 | | | | | 29.7 U | 31.9 U | 304 | 381 | | | | | | | | |
| 107-107.5' | 29.3 U | 32.3 U | 21.9 J | 30.9 J | 27.1 U | 30.8 U | | | 30.1 U | 34.6 U | | | | | 27.5 U | 32.5 U | 28.3 U | 30.7 U | | | | | | | | |
| 109.5-110' | 30.1 U | 35.2 U | 29.5 J | 39.4 J | | | 816 | 998 | 28.2 U | 29.7 U | | | | | | | 26.7 U | 28.7 U | | | | | | | | |
| 112-112.5' | | | 10.8 J | 12.5 J | | | 71.5 | 85.8 | 27.8 U | 30.3 U | | | | | | | | | | | | | | | | |
| 114.5-115' | 31.1 U | 35.9 U | 32.5 U | 35.6 U | | | | | 31.4 U | 33.8 U | | | | | | | | | | | | | | | | |
| 117-117.5' | 31.7 U | 34.1 U | 37.1 U | 40.3 U | 27.7 U | 31.5 U | | | 29.1 U | 33.3 U | | | | | 29.1 U | 33.3 U | | | | | | | | | | |
| 119.5-120' | 28.1 U | 30.6 U | 10.1 J | 11.8 J | 34.8 U | 37.7 U | | | 27.3 U | 29.4 U | | | | | 28.2 U | 30.2 U | | | | | | | | | | |
| 122-122.5' | 34.0 U | 36.6 U | 35.8 U | 38.6 U | 34.0 U | 35.9 U | | | 28.4 U | 31.2 U | | | | | 27.8 U | 30.2 U | | | | | | | | | | |
| 124.5-125' | | | | | 29.7 U | 34.2 U | | | | | | | | | 28.5 U | 32.3 U | | | | | | | | | | |
| 127-127.5 | | | | | 28.6 U | 32.6 U | | | 34.8 U | 39.3 U | | | | | | | | | | | | | | | | |
| 128.5-129' | | | | | 33.6 U | 36.6 U | | | | | | | | | | | | | | | | | | | | |
| 132-132.5' | | | | | 31.6 U | 34.2 U | | | | | | | | | | | | | | | | | | | | |
| 134.5-135 | | | | | 33.0 U | 38.6 U | | | 27.5 U | 30.2 U | | | | | | | | | | | | | | | | |
| 137.5-138 | | | | | 27.3 U | 32.5 U | | | 30.1 U | 33.5 U | | | | | | | | | | | | | | | | |
| 139.5-140' | | | | | 29.9 U | 32.7 U | | | | | | | | | | | | | | | | | | | | |
| 142-142.5' | | | | | 30.4 U | 36.1 U | | | | | | | | | | | | | | | | | | | | |
| 145-145.5' | | | | | 30.9 U | 34.9 U | | | | | | | | | | | | | | | | | | | | |

= Not designated for sampling in work plan, No sample collected.
= No recovery, no sample collected.
= <1,000 ug/kg
= 1,000 - 10,000 ug/kg
= 10,000 - 100,000 ug/kg
U = Non detect below the RL
J = Detected below lab detection limit

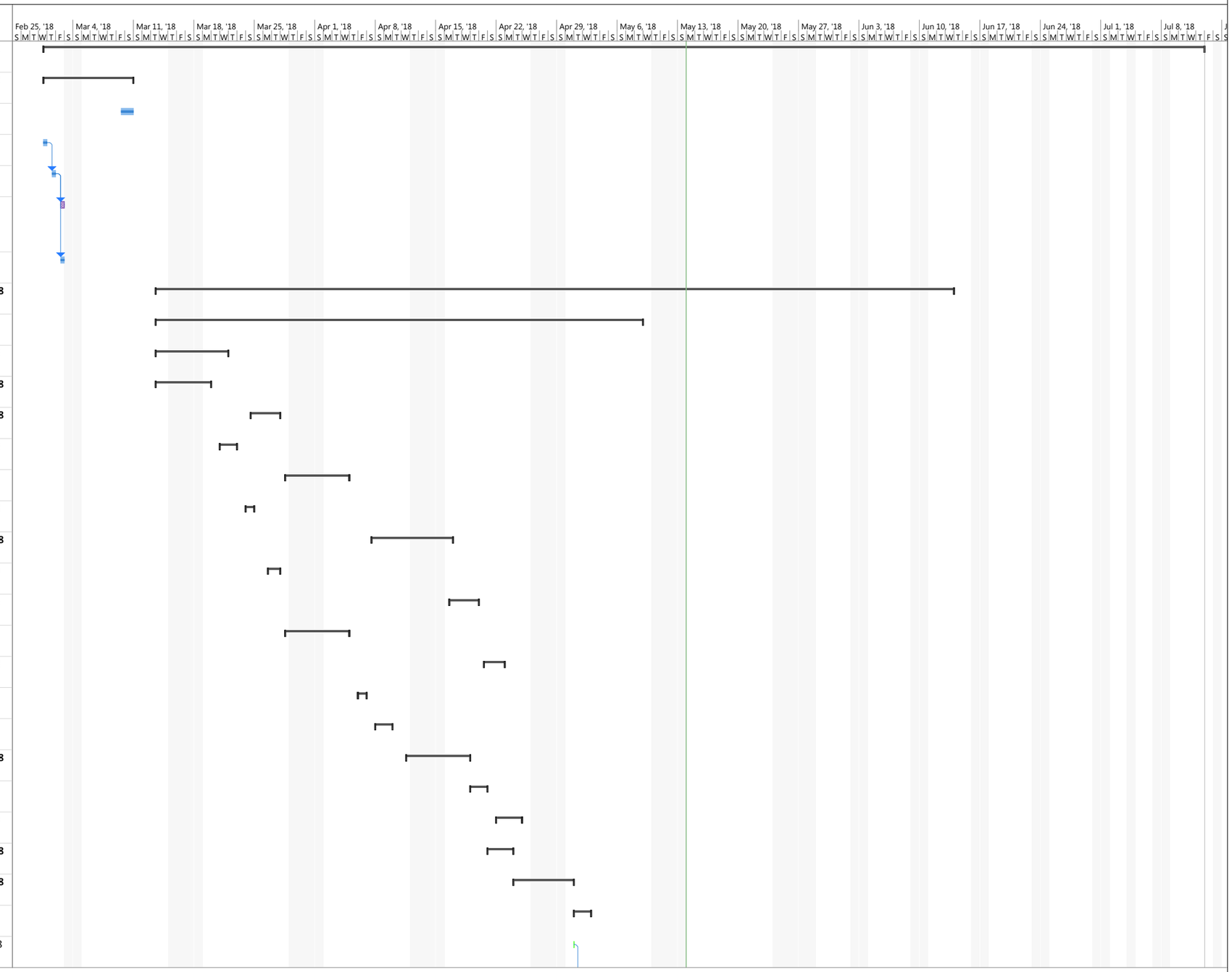
Prepared/Reviewed by: MG/SP
5/14/2018



RAMBOLL

Remedial Design Investigation
OU3, PVGCS Site, Warren County, NJ

| ID | % Complete | Task Name | Duration | Start | Finish |
|---|---|---|---|---|---|
| 1 | 44% | **Remedial Design Investigation** | **94.9 days** | **Wed 2/28/18** | **Thu 7/12/18** |
| 2 | 100% | **Predrilling task list** | **9 days** | **Wed 2/28/18** | **Sun 3/11/18** |
| 3 | 100% | Mobilization drilling equipment | 2 days | Fri 3/9/18 | Sun 3/11/18 |
| 4 | 100% | Setup fence around laydown yard | 1 day | Wed 2/28/18 | Thu 3/1/18 |
| 5 | 100% | Delivery of Roll Off box | 1 day | Thu 3/1/18 | Fri 3/2/18 |
| 6 | 100% | Clear Utilities for PDI-SB10, PDI-SB16, PDI-SB11 and PDI-SB23 | 0.5 days | Fri 3/2/18 | Fri 3/2/18 |
| 7 | 100% | Delivery of poly tank | 1 day | Fri 3/2/18 | Sat 3/3/18 |
| 8 | 49% | **Indoor work** | **63.9 days** | **Tue 3/13/18** | **Wed 6/13/18** |
| 9 | 76% | **Soil Borings** | **40.4 days** | **Tue 3/13/18** | **Tue 5/8/18** |
| 10 | 100% | **PDI-SB13** | **5 days** | **Tue 3/13/18** | **Thu 3/22/18** |
| 15 | 100% | **PDI-SB11** | **2.5 days** | **Tue 3/13/18** | **Mon 3/19/18** |
| 20 | 100% | **PDI-SB14** | **4 days** | **Sat 3/24/18** | **Wed 3/28/18** |
| 25 | 100% | **PDI-SB10** | **2 days** | **Tue 3/20/18** | **Thu 3/22/18** |
| 31 | 100% | **PDI-SB12** | **4 days** | **Wed 3/28/18** | **Thu 4/5/18** |
| 36 | 100% | **PDI-SB15** | **1.5 days** | **Fri 3/23/18** | **Sun 3/25/18** |
| 41 | 100% | **PDI-SB04** | **5.5 days** | **Sat 4/7/18** | **Mon 4/16/18** |
| 46 | 100% | **PDI-SB16** | **1.5 days** | **Mon 3/26/18** | **Tue 3/27/18** |
| 52 | 100% | **PDI-SB05** | **3.4 days** | **Mon 4/16/18** | **Thu 4/19/18** |
| 57 | 100% | **PDI-SB20** | **3.5 days** | **Wed 3/28/18** | **Wed 4/4/18** |
| 62 | 100% | **PDI-SB06** | **2.4 days** | **Fri 4/20/18** | **Sun 4/22/18** |
| 67 | 100% | **PDI-SB17** | **1 day** | **Thu 4/5/18** | **Fri 4/6/18** |
| 73 | 100% | **PDI-SB18** | **1.9 days** | **Sat 4/7/18** | **Mon 4/9/18** |
| 78 | 100% | **PDI-SB23** | **3.5 days** | **Wed 4/11/18** | **Wed 4/18/18** |
| 84 | 100% | **PDI-SB03** | **2 days** | **Wed 4/18/18** | **Fri 4/20/18** |
| 89 | 100% | **PDI-SB07** | **2.4 days** | **Sun 4/22/18** | **Tue 4/24/18** |
| 94 | 100% | **PDI-SB01A** | **3.5 days** | **Fri 4/20/18** | **Mon 4/23/18** |
| 99 | 100% | **PDI-SB21A** | **2.5 days** | **Mon 4/23/18** | **Mon 4/30/18** |
| 104 | 0% | **PDI-SB09** | **2.5 days** | **Mon 4/30/18** | **Wed 5/2/18** |
| 105 | 0% | Setup on boring | 0.5 days | Mon 4/30/18 | Mon 4/30/18 |

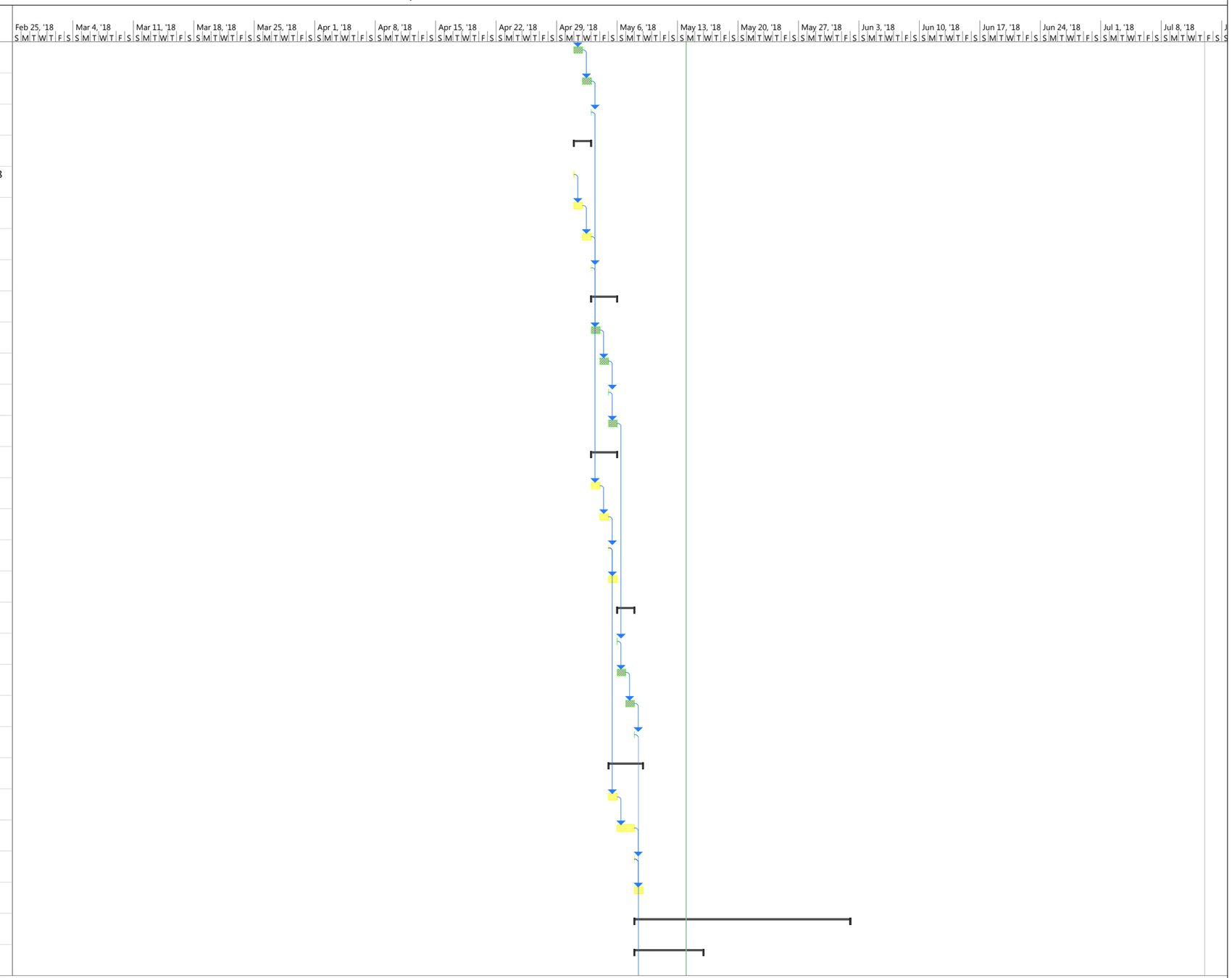



RAMBOLL
Project: PVGCS_OU3
Date: Mon 5/14/18

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress | Rig1 | Rig2 | Utilities

Remedial Design Investigation
OU3, PVGCS Site, Warren County, NJ

| ID | % Complete | Task Name | Duration | Start | Finish |
|---|---|---|---|---|---|
| 106 | 0% | Begin drilling | 1 day | Mon 4/30/18 | Tue 5/1/18 |
| 107 | 0% | Abandon borehole | 0.5 days | Tue 5/1/18 | Wed 5/2/18 |
| 108 | 0% | Decon drill steel | 0.5 days | Wed 5/2/18 | Wed 5/2/18 |
| 109 | **0%** | **PDI-SB22A** | **2.5 days** | **Mon 4/30/18** | **Wed 5/2/18** |
| 110 | 0% | Setup on boring | 0.5 days | Mon 4/30/18 | Mon 4/30/18 |
| 111 | 0% | Begin drilling | 1 day | Mon 4/30/18 | Tue 5/1/18 |
| 112 | 0% | Abandon borehole | 0.5 days | Tue 5/1/18 | Wed 5/2/18 |
| 113 | 0% | Decon drill steel | 0.5 days | Wed 5/2/18 | Wed 5/2/18 |
| 114 | **0%** | **PDI-SB08** | **2.5 days** | **Wed 5/2/18** | **Sat 5/5/18** |
| 115 | 0% | Setup on boring | 0.5 days | Wed 5/2/18 | Thu 5/3/18 |
| 116 | 0% | Begin drilling | 1 day | Thu 5/3/18 | Fri 5/4/18 |
| 117 | 0% | Abandon borehole | 0.5 days | Fri 5/4/18 | Fri 5/4/18 |
| 118 | 0% | Decon drill steel | 0.5 days | Fri 5/4/18 | Sat 5/5/18 |
| 119 | **0%** | **PDI-SB24A** | **2.5 days** | **Wed 5/2/18** | **Sat 5/5/18** |
| 120 | 0% | Setup on boring | 0.5 days | Wed 5/2/18 | Thu 5/3/18 |
| 121 | 0% | Begin drilling | 1 day | Thu 5/3/18 | Fri 5/4/18 |
| 122 | 0% | Abandon borehole | 0.5 days | Fri 5/4/18 | Fri 5/4/18 |
| 123 | 0% | Decon drill steel | 0.5 days | Fri 5/4/18 | Sat 5/5/18 |
| 124 | **0%** | **PDI-SB02A** | **2.5 days** | **Sat 5/5/18** | **Mon 5/7/18** |
| 125 | 0% | Setup on boring | 0.5 days | Sat 5/5/18 | Sat 5/5/18 |
| 126 | 0% | Begin drilling | 1 day | Sat 5/5/18 | Sun 5/6/18 |
| 127 | 0% | Abandon borehole | 0.5 days | Sun 5/6/18 | Mon 5/7/18 |
| 128 | 0% | Decon drill steel | 0.5 days | Mon 5/7/18 | Mon 5/7/18 |
| 129 | **0%** | **PDI-SB19A** | **3.5 days** | **Fri 5/4/18** | **Tue 5/8/18** |
| 130 | 0% | Setup on boring | 0.5 days | Fri 5/4/18 | Sat 5/5/18 |
| 131 | 0% | Begin drilling | 2 days | Sat 5/5/18 | Mon 5/7/18 |
| 132 | 0% | Abandon borehole | 0.5 days | Mon 5/7/18 | Mon 5/7/18 |
| 133 | 0% | Decon drill steel | 0.5 days | Mon 5/7/18 | Tue 5/8/18 |
| 134 | **0%** | **SVE Pilot Test Well Install** | **15.5 days** | **Mon 5/7/18** | **Fri 6/1/18** |
| 135 | **0%** | **VMP-02** | **3.5 days** | **Mon 5/7/18** | **Tue 5/15/18** |

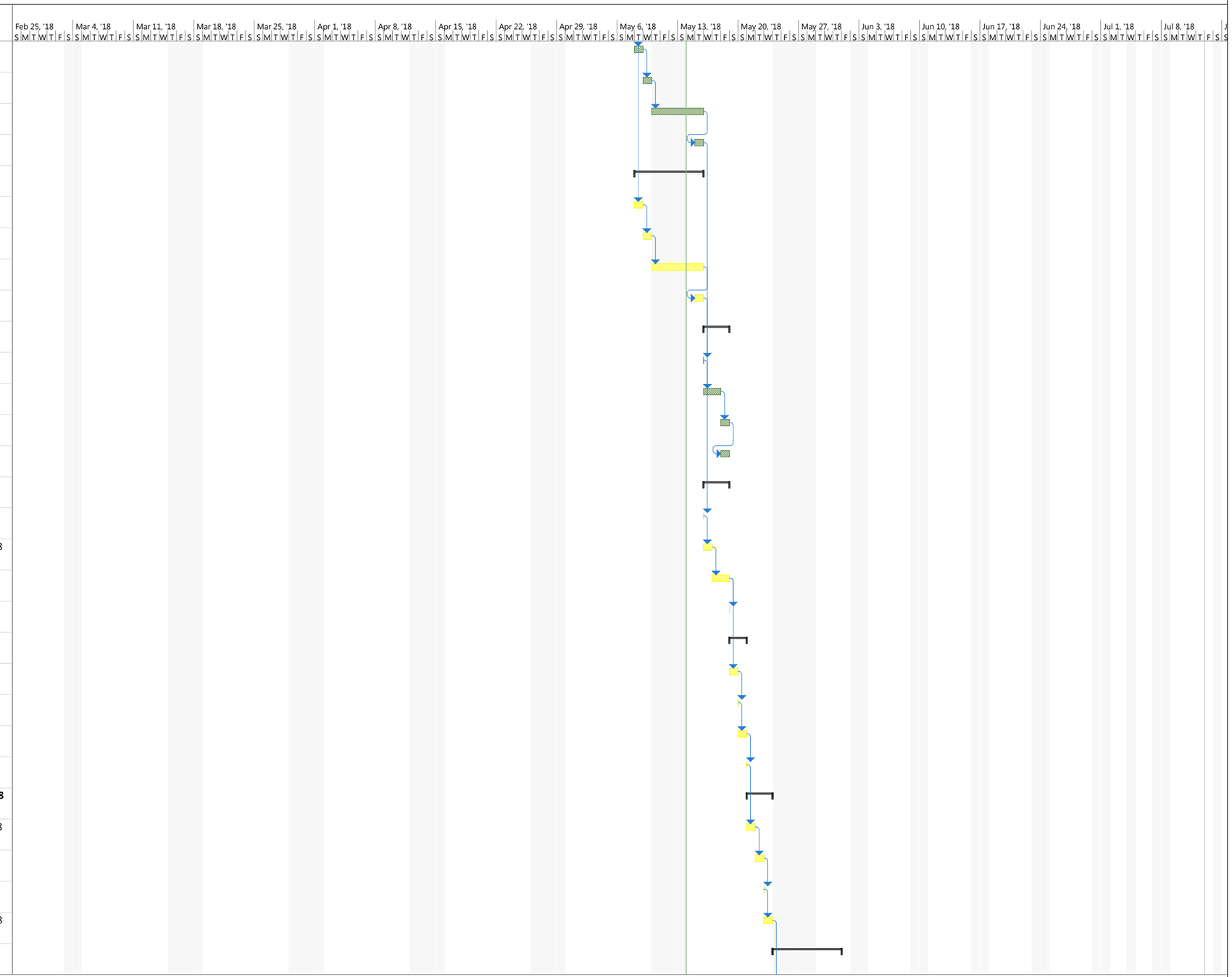



RAMBOLL
Project: PVGCS_OU3
Date: Mon 5/14/18

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress | Rig1 | Rig2 | Utilities

Remedial Design Investigation
OU3, PVGCS Site, Warren County, NJ

| ID | % Complete | Task Name | Duration | Start | Finish |
|---|---|---|---|---|---|
| 136 | 0% | Setup on boring | 0.5 days | Mon 5/7/18 | Tue 5/8/18 |
| 137 | 0% | Begin drilling | 1 day | Tue 5/8/18 | Wed 5/9/18 |
| 138 | 0% | Set Vapor Monitoring Points | 2 days | Wed 5/9/18 | Tue 5/15/18 |
| 139 | 0% | Decon drill steel | 0.5 days | Mon 5/14/18 | Tue 5/15/18 |
| 140 | **0%** | **VMP-01** | **3.5 days** | **Mon 5/7/18** | **Tue 5/15/18** |
| 141 | 0% | Setup on boring | 0.5 days | Mon 5/7/18 | Tue 5/8/18 |
| 142 | 0% | Begin drilling | 1 day | Tue 5/8/18 | Wed 5/9/18 |
| 143 | 0% | Set Vapor Monitoring Points | 2 days | Wed 5/9/18 | Tue 5/15/18 |
| 144 | 0% | Decon drill steel | 0.5 days | Mon 5/14/18 | Tue 5/15/18 |
| 145 | **0%** | **POHMW12R** | **3 days** | **Tue 5/15/18** | **Fri 5/18/18** |
| 146 | 0% | Setup on boring | 0.5 days | Tue 5/15/18 | Tue 5/15/18 |
| 147 | 0% | Begin drilling | 1.5 days | Tue 5/15/18 | Thu 5/17/18 |
| 148 | 0% | Set POHMW12R Well | 1 day | Thu 5/17/18 | Fri 5/18/18 |
| 149 | 0% | Decon drill steel | 0.5 days | Thu 5/17/18 | Fri 5/18/18 |
| 150 | **0%** | **VMP-03** | **3.5 days** | **Tue 5/15/18** | **Fri 5/18/18** |
| 151 | 0% | Setup on boring | 0.5 days | Tue 5/15/18 | Tue 5/15/18 |
| 152 | 0% | Begin drilling | 1 day | Tue 5/15/18 | Wed 5/16/18 |
| 153 | 0% | Set Vapor Monitoring Points | 2 days | Wed 5/16/18 | Fri 5/18/18 |
| 154 | 0% | Decon drill steel | 0.5 days | Fri 5/18/18 | Fri 5/18/18 |
| 155 | **0%** | **SVE-1A** | **2 days** | **Fri 5/18/18** | **Sun 5/20/18** |
| 156 | 0% | Setup on boring | 0.5 days | Fri 5/18/18 | Sat 5/19/18 |
| 157 | 0% | Begin drilling | 0.5 days | Sat 5/19/18 | Sat 5/19/18 |
| 158 | 0% | Set SVE Well | 0.5 days | Sat 5/19/18 | Sun 5/20/18 |
| 159 | 0% | Decon drill steel | 0.5 days | Sun 5/20/18 | Sun 5/20/18 |
| 160 | **0%** | **SVE-1B** | **2.5 days** | **Sun 5/20/18** | **Wed 5/23/18** |
| 161 | 0% | Setup on boring | 0.5 days | Sun 5/20/18 | Mon 5/21/18 |
| 162 | 0% | Begin drilling | 1 day | Mon 5/21/18 | Tue 5/22/18 |
| 163 | 0% | Set SVE Well | 0.5 days | Tue 5/22/18 | Tue 5/22/18 |
| 164 | 0% | Decon drill steel | 0.5 days | Tue 5/22/18 | Wed 5/23/18 |
| 165 | **0%** | **SVE-1C** | **3 days** | **Wed 5/23/18** | **Thu 5/31/18** |

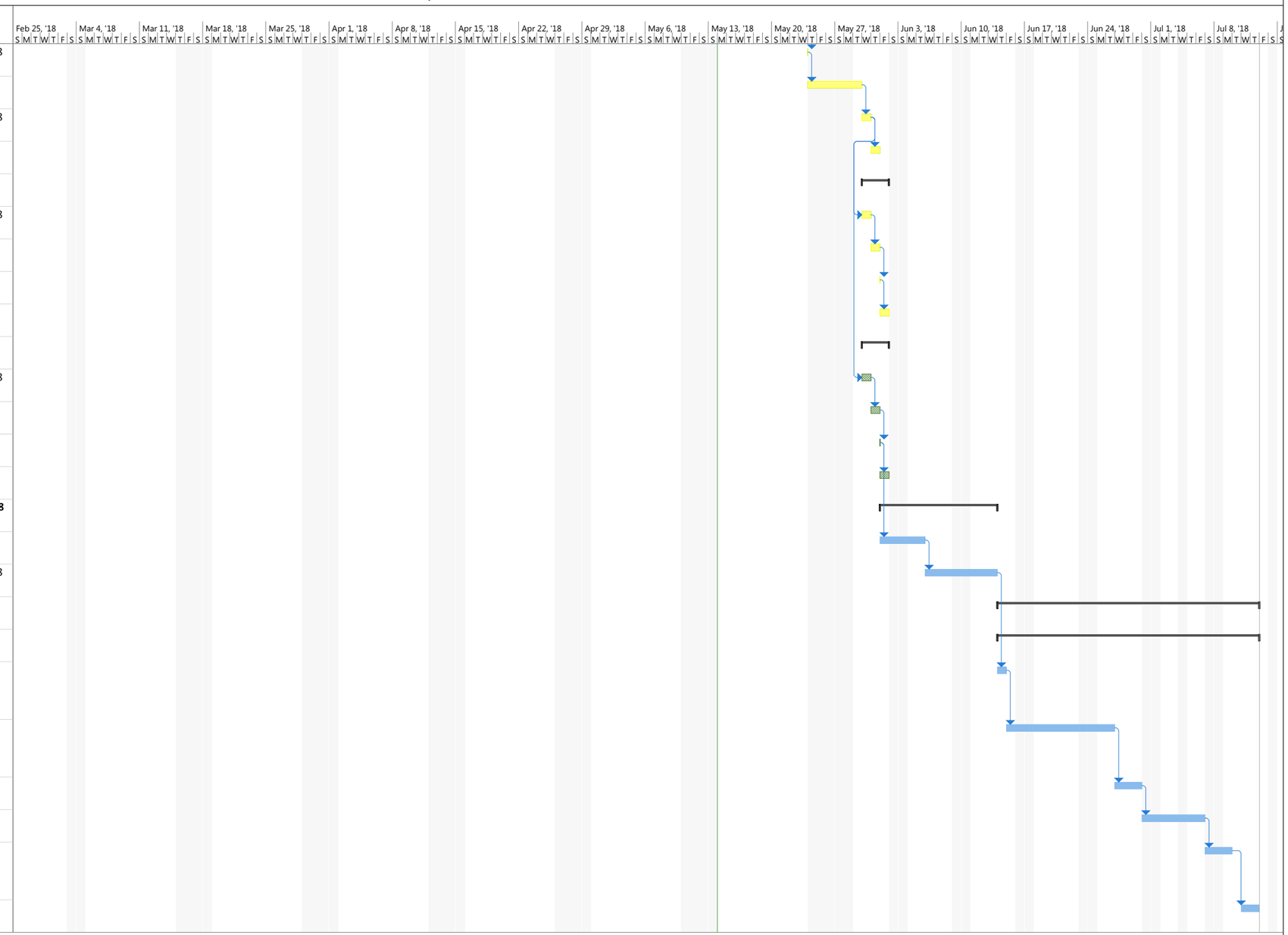



RAMBOLL
Project: PVGCS_OU3
Date: Mon 5/14/18

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress | Rig1 | Rig2 | Utilities

Remedial Design Investigation
OU3, PVGCS Site, Warren County, NJ

| ID | % Complete | Task Name | Duration | Start | Finish |
|---|---|---|---|---|---|
| 166 | 0% | Setup on boring | 0.5 days | Wed 5/23/18 | Wed 5/23/18 |
| 167 | 0% | Begin drilling | 1 day | Wed 5/23/18 | Tue 5/29/18 |
| 168 | 0% | Set SVE Well | 1 day | Tue 5/29/18 | Wed 5/30/18 |
| 169 | 0% | Decon drill steel | 0.5 days | Wed 5/30/18 | Thu 5/31/18 |
| 170 | **0%** | **PDI-SB25** | **2.5 days** | **Tue 5/29/18** | **Fri 6/1/18** |
| 171 | 0% | Setup on boring | 0.5 days | Tue 5/29/18 | Wed 5/30/18 |
| 172 | 0% | Begin drilling | 1 day | Wed 5/30/18 | Thu 5/31/18 |
| 173 | 0% | Set Thermocouple pipe | 0.5 days | Thu 5/31/18 | Thu 5/31/18 |
| 174 | 0% | Decon drill steel | 0.5 days | Thu 5/31/18 | Fri 6/1/18 |
| 175 | **0%** | **PDI-SB26** | **2.5 days** | **Tue 5/29/18** | **Fri 6/1/18** |
| 176 | 0% | Setup on boring | 0.5 days | Tue 5/29/18 | Wed 5/30/18 |
| 177 | 0% | Begin drilling | 1 day | Wed 5/30/18 | Thu 5/31/18 |
| 178 | 0% | Set Thermocouple pipe | 0.5 days | Thu 5/31/18 | Thu 5/31/18 |
| 179 | 0% | Decon drill steel | 0.5 days | Thu 5/31/18 | Fri 6/1/18 |
| 180 | **0%** | **SVE Pilot Test Execution** | **9 days** | **Thu 5/31/18** | **Wed 6/13/18** |
| 181 | 0% | Set up SVE test equipment | 3 days | Thu 5/31/18 | Tue 6/5/18 |
| 182 | 0% | Perform SVE Pilot Test | 6 days | Tue 6/5/18 | Wed 6/13/18 |
| 183 | **0%** | **Performance Monitoring Wells** | **20 days** | **Wed 6/13/18** | **Thu 7/12/18** |
| 184 | **0%** | **POHMW49** | **20 days** | **Wed 6/13/18** | **Thu 7/12/18** |
| 185 | 0% | Move to well POHMW49, set up fence, sound blankets, stage drums | 1 day | Wed 6/13/18 | Thu 6/14/18 |
| 186 | 0% | Drill to 100 feet and profile from 100 feet to 400 feet | 8 days | Thu 6/14/18 | Tue 6/26/18 |
| 187 | 0% | consultations | 3 days | Tue 6/26/18 | Fri 6/29/18 |
| 188 | 0% | well installation | 4 days | Fri 6/29/18 | Fri 7/6/18 |
| 189 | 0% | demobilization, remove fence, move all equipment | 1 day | Fri 7/6/18 | Mon 7/9/18 |
| 190 | 0% | development | 2 days | Tue 7/10/18 | Thu 7/12/18 |




RAMBOLL
Project: PVGCS_OU3
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Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress | Rig1 | Rig2 | Utilities