| Hematite Decommissioning Project | Procedure: HDP-PR-FSS-712, Final Status Surveys of Structures, Systems, and Components (SSCs) | | |
|---|---|---|---|
| | | Revision: 5 | Page A-1 of 2 |

**APPENDIX A-1**
**FINAL STATUS SURVEY RESULTS**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Survey Unit Description & Survey Unit Number: | FSS survey of manholes and Outfall 003 | | | Survey Log Number: | 7794 R 170315 | | | | | Date: | 3/15/2017 |
| Technician(s): Print/Sign/Date | Thomas Yardy 3-16-17 | | | Reviewed by: Print/Sign/Date | Clark Evers 3/16/17 | | | | | Time: | 15:15 |
| Instrument # 1 | | | | Instrument # 2 | | | | Tennelec | | | |
| Instrument & Probe: | Lud 2360 43-89 M | MDA (dpm/100cm²): | 624.1 | Instrument & Probe: | N/A | MDA (dpm/100cm²): | N/A | Unit #: | 2 | Cal Due: | 12/8/17 |
| Instrument SN: | 278647 | Bkg 1: | 218 | Instrument SN: | N/A | Bkg 1: | N/A | Alpha Bkg: | 0.5 | Beta Bkg: | 2.3 |
| Cal Due Date: | 10/1/2017 | Bkg 2: | 222 | Cal Due Date: | N/A | Bkg 2: | N/A | Alpha Eff: | 20.3% | Beta Eff: | 19.4% |
| Probe Size: | 125 | Bkg 3: | 230 | Probe Size: | N/A | Bkg 3: | N/A | Alpha MDA (dpm): | 14.7 | Beta MDA (dpm): | 29.0 |
| Weighted Eff.: | 9.0% | Ave. Bkg: | 223 | Weighted Eff.: | N/A | Ave. Bkg: | N/A | Batch No: | 53144 | | |

Comments: 100 % scan of all interior surfaces was performed with one biased measurement taken at location where contamination is most likely.

| Sample No. | Instrument Number (i.e., 1 or 2) | Description | Removable Alpha | | Removable Beta | | Total Contamination (α + β) | | DCGL Fraction |
|---|---|---|---|---|---|---|---|---|---|
| | | | Net CPM | DPM / 100cm² | Net CPM | DPM / 100cm² | Gross CPM | DPM / 100cm² | |
| 1 | 1 | FSS survey of MH-31 | -0.5 | 0.0 | 0.8 | 4.2 | 334 | 989 | 0.05 |
| 2 | 1 | FSS survey of MH-02 | 0.5 | 2.4 | -0.4 | 0.0 | 321 | 872 | 0.05 |
| 3 | 1 | FSS survey of 24B | -0.5 | 0.0 | 0.8 | 4.2 | 311 | 783 | 0.04 |
| 4 | 1 | FSS survey of MH-30 | 0.5 | 2.5 | -2.4 | 0.0 | 132 | 0 | 0.00 |
| 5 | 1 | FSS survey of Outfall 003 | 0.5 | 2.3 | 1.6 | 8.1 | 285 | 551 | 0.03 |
| 6 | 1 | FSS survey of MH-01 | 0.5 | 2.4 | -1.4 | 0.0 | 275 | 462 | 0.02 |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |