

APPENDIX E

IDM Sample Radiological Analytical Results

Appendix E **IDM Verification Samples**

This appendix is a compilation of the radiological analytical data of all samples collected by IDM, Inc. during the remedial action in Building 14 at the Linde site. Soil delineation and verification samples are the primary media of the samples included in this report, but a number of paint, grease, dust, creteplank, and waste samples are also included. These samples were analyzed by gamma spectroscopy at ION Technologies' laboratory in Saratoga Springs, New York.

The data were compiled from 35 different reports in which the set of isotopes reported varied to some degree because the analysis and reporting requirements were fine-tuned as the remedial work progressed. Thus, not all isotopes listed are reported for each sample. The error and MDA are reported where available.

The analytical results of the samples are listed in Table E-1. The following information is included for each sample:

- Report Number is the number of the report assigned by IDM.
- Sample No. is the sequential sample number as it occurs on each report.
- Sample Type is one of four categories: C = characterization, V = verification, I = informational, and B = background.
- Area is the area from which the sample was collected.
- Sample Identification is the sample description assigned to the sample by IDM.
- File Name is the name of the electronic file containing the sample data generated by the gamma spectroscopy analysis. The lower case letter “p” preceding the numerical portion indicates a petri dish container and the “m” a marinelli container.
- Sample Weight is the weight in grams of the sample fraction prepared for analysis.
- Analysis Date is the date the sample was analyzed.
- Count Time is the length of time the sample was counted.
- Results are the sample results, error, and MDA. The fields reported vary among samples for the reasons described above.

