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12. MONITORING AND MAINTENANCE PLANS

12.1 Monitoring in Relation to the Environmental Assessment

This monitoring involves a continual on-site review of impact predictions made during the environmental assessment process. The purpose of this monitoring is two fold:

- To confirm the accuracy of impact predictions made if, and when, they occur on-site and to ensure that mitigative action taken is appropriate; and
- To be able to identify impacts that occur on-site that may not have been identified during the assessment process but, none the less, require an appropriate mitigative response.

The results of this on-site assessment of will be reviewed on an annual basis as part of the project quality assurance program. Assessment areas and impact predictions requiring adjustment or re-evaluation are identified at this point and an action plan prepared.

12.2 Monitoring in Relation to Environmental Objectives

As part of the overall DLCU program, DND will undertake an extensive multiple year post clean up monitoring program at each site. This monitoring program is contained in the DND/NTI Agreement. The purpose of this program will be to ensure that environmental objectives, particularly those related to landfill remediation, continue to be met. The specific tasks related to the monitoring of each landfill are based on the associated risk. A site specific monitoring plan will be developed upon completion of the clean up.

The Environmental Working Group will review the results of each monitoring event and provide recommendation to the Steering Committee. In those cases where remediation standards are not

being maintained, an engineering and/or other solution will be developed and implemented to rectify the situation.

The following table outlines the monitoring requirements for the landfill areas at CAM-3.

Table 12-1: Landfill Monitoring Requirements

Landfill Designation	Visual Inspection	Soil Sampling	Groundwater Sampling	Thermal Monitoring
Covered Landfills	Yes	No	No	No
USAF Landfill (Partial Leachate Containment)	Yes	Yes	Yes	Yes
Tier II Soil Disposal Facility	Yes	Yes	Yes	Yes
Non-Hazardous Waste Landfill	Yes	Yes	No	No

The proposed locations of the groundwater monitoring wells and soil sample locations are shown on the drawings provided in Appendix I. These locations are approximate and will be ground-truthed during construction and the GPS coordinates of the locations will be collected.