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## **Environmental Assessment**

For the

# **Provincial Schools Construction Project**

A part of the Rehabilitation of Economic Facilities and Services (REFS) Program

Contract 306-C-00-02-00500-00

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## 4.0 ENVIRONMENTAL GUIDELINES

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For projects such as the PSCP Project the REFS TOR states that *“the Contractor shall prepare environmental guidelines that will be used to minimize and mitigate potential environmental impacts. Included in the guidelines will be an environmental mitigation checklist to be completed as a part of final design for each project. Where the analysis indicates that negative environmental effects could occur, the project will be designed to avoid or mitigate those effects. The guidelines will also describe procedures for monitoring rehabilitation activities to assure that identified mitigation measures have been implemented as planned”* (Emphasis added). Accordingly, the following presents the examination’s findings in regard to the environmental mitigation final design checklist (Item 4.1) and monitoring (Item 4.2). Additional recommendations for environmental actions beyond the scope of the Project, but within the scope of REFS, are presented in Item 4.3.

### 4.1 Environmental Mitigation Final Design Checklist

The preferred form of mitigation is avoidance of impacts through the adoption of enforceable measures and precautions rather than amelioration after the fact. This preferred form of mitigation has been incorporated in the recommended contract provisions attached hereto as Appendix A. An environmental and final design checklist is provided by Exhibit 4-1.

**EXHIBIT 4-1**  
**ENVIRONMENTAL MITIGATION FINAL DESIGN CHECKLIST**  
 For Air Quality, Soils, Water and Noise.

#### AIR QUALITY

Potential Impact Source	Mitigation Objective	Mitigation Measure	Implementation Mechanism & Responsibility
Material Transport	Minimization of dust during transport of fill and construction material	Rock, sand and other dust producing material will be sprayed prior to transport. Trucks must be covered with tarps. Only approved transport routes will be used.	Required by Project Contracts. Enforced by the Supervising Engineer (SE).
Emissions from Construction Equipment.	Avoidance of excessive emissions due to poorly maintained equipment.	Contract stipulations require all construction equipment to meet acceptable standards and to be properly maintained.	Required by Project Contracts. Enforced by SE.
On-Site Burning.	Avoidance of smoke and gases which may constitute a nuisance.	On-site burning to be banned in populated areas	Required by Project Contracts. Enforced by SE.

**WATER QUALITY**

Potential Impact Source	Mitigation Objective	Mitigation Measure	Implementation Mechanism & Responsibility
Pollution of surface and subsurface hydrology	Prevent any interference with the supply to, or abstraction from, water resources and the pollution of water resources as a result of the execution of the Works.	Contracts stipulate that the Sub-Contractor shall not discharge or deposit any matter arising from the execution of the Work into any waters except with the permission of the regulatory authorities concerned. Existing stream courses and drains must be kept safe and free from any debris and any materials.	Required by Project Contracts. Enforced by SE.

**SOILS**

Potential Impact Source	Mitigation Objective	Mitigation Measure	Implementation Mechanism & Responsibility
Loss of Agricultural Land	Minimize use of farmland for road improvement purposes.	Loss of agricultural land has been avoided as much as possible. Use of corridors already dedicated to agricultural use minimizes the need for additional agricultural land.	Avoidance of agricultural land has been incorporated in the decision-making process.

**NOISE**

Potential Impact Source	Mitigation Objective	Mitigation Measure	Implementation Mechanism & Responsibility
Other Construction Activities.	Minimize high noise levels and times of occurrence.	Limit construction hours in sensitive areas. Use of properly maintained equipment.	Required by Project Contracts. Enforced by SE.

**4.2 Recommended Actions Beyond the Scope of the Project**

No actions are beyond the scope of the project are recommended.