



APPENDIX 'C'

**Asset Management Department  
Right-of-Way & Environmental Assets**

---

**MEMORANDUM**

**To:** John Ferrara  
**From:** Mohsin Ali Talpur  
**Copy To:** Soran Sito, Mansoor Ali  
**Date:** January 18, 2010  
**Subject:** Environmental Impact Assessment – Strada Aggregates Inc, Rodic and Yorktech Road  
Engineering File: YorkTech –SC-2230  
Amanda File: ZA 08119862

I have reviewed the above document and have the following comments:

**General:**

This EIA report investigated potential environmental impacts from the cement and asphalt crushing facility owned by Strada Aggregates Inc. The property is surrounded by berm and wooden fence (8 m high). Petroleum and dust were considered as potential contaminants. Timer controlled sprinklers installed around perimeter of the property to control dust produced during crushing activities. The surface soils in the vicinity of site are composed of Sand. A doubled walled biodiesel above ground storage tank (AST) having capacity of about 2,270 liters is located at site. Total of 10 off-site surfacial soil samples were collected. All samples were analysed for pH, but only four out of 10 samples were analysed for selected metals (Cadmium, Lead, Selenium, and Zinc).

**Comments:**

1. The report discussed the environmental impacts of concrete crushing (i.e. dust) on the surrounding surface soil only. However, potential environmental impacts due to asphalt crushing (i.e. petroleum hydrocarbons) as well as the impacts of dust deposited on the stockpiles of crushed stones on the groundwater and surface water runoff have not been evaluated.
2. The study area approximately 650 meters along the Rouge River was demarcated as shown in figure.3, sample S-6 having exceedance in test results was considered as outside of the study area. Please, provide rationale for the demarcation of the study area with supporting calculations that demonstrate dust plume settlement mechanism with average size of the particulate and wind velocity. Also, provide rationale for sending only 4 out of 10 samples to the laboratory for the selected metals testing.
3. It is noted that, on-site runoff drains into a ditch in the west. However, neither the availability and functionality of water quality treatment system for the runoff and the sprinkler system at site have been discussed, nor the ultimate disposal of the ditch has been identified. It must be ensured that the runoff is being treated properly before discharged to the ditch on the west.