

INTEGATION EXPLORATIONS Inc.

ENVIRONMENTAL RESERRCH CONSULTANTS of Wolson Sid. Unit 1. Box 1986, Questo, Double NIH GHO . TOL 619 922-3618 . FAX 519 922-3676

October 25, 2000

Chad Warris,
Power Shine Mobile Wash,
P.O. Box 383,
Nilton, Omero, Lot 479

Dear Mr. Warris.

RE: Toxicity evaluation of waste water from Fower Shine mobile washing process.

A representative sample of waste water from your Power Shine mobile washing operation was submitted to our lab for analysis and general toxicity evaluation.

From your description we have assumed that your process utilizes an acidic pre wash step, an alkaline scap wash step, and a final rinse step. These three steps each roughly contribute 10%, 15% and 75% respectively. Fitteen gallons of waste water was collected during a wash operation representing a proportional composite of the three application steps.

Our summary and interpretation of analytical results is as follows.

pH = pH values ranged between 8.7 and 9.2. These are considered to be slightly alkaline and would not pose any toxic threat to either the soil or natural water course.

BOD - The Biclogical Oxygen Demand (BOD) was determined to be 18,7 mg/l. This is considered to be very low and would not pose a threat of oxygen depletion to either soil or water.

TOXIC METALS SCAN — An ICP elemental scan was conducted on the waste water to detect the presence of toxic metals. No toxic motals were found. The 29 elemental scan included analysis for copper, lead, mercury, zinc, areenic and lead. No toxic impact or accumulation would be expected in either soil or water.

AQUATIO TOXICITY - A standard Trout acute toxicity test was performed to determine the LC50 value for this potential affluent. This test is commonly utilized by the Onterio Ministry of the Environment and Energy (MOEE), and also Environment Canada; to determine the toxicity of waste waster effluents.

Our tests indicated an LCSO value of 48.9%. This means that 50% of the trout exposed to 48.9% concentration of the wester survived during a \$6 hour test. These tests also indicated that a 5:1 dilution would be sufficient to render this effluent acutely non toxic.

In practical terms this waste water would have little or no effect on either soil or a natural water course as many of the components of the waste water would be adsorbed on the ground. In the event that waste water run off would migrate to a water course it would be quickly diluted rendering it non toxic within a few maters of the contact point.

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