INDUSTRIAL WATER LICENCE INSPECTION REPORT

DATE:

July 24, 2003

COMPANY REP: Scott Machej and Baub Kyle of IEG

LICENSEE: Shell Canada Ltd.

LICENCE #:

N7L1-1770 / West Channel

WATER SUPPLY

Source:

Mackenzie River

Quantity Used: None

Meter Rdg:

N/A

Indicate:	A - A	cceptable	U - Unacceptable		N/A - Not Applicable N/I - Not Inspected			
Intake Facilit	ies	N/A	Storage Structures	N/A	Treatment Systems	N/A	Recycling	N/A
Flow Meas. I	Device		Conveyance Lines	N/A	Pumping Stations	N/A	Modifications	N/A

Comments:

At this time there was no water use from the Mackenzie River. Furthermore, there were no facilities (pumps etc.) installed to extract water from the river. For an aerial view of the site please refer to Figure 1 attached. As discussed below, under general comments, the bioremediation project was fully decommissioned. As a result no water from the Mackenzie River was required.

WASTE DISPOSAL

Tailings:	Tailings Pond	N/A	Natural Lake	N/A	Underground	N/A		
Sewage:	Sewage Treat.	N/A	Tailings pond	N/A	Natural Water	N/A	andengal e'v	mpgur
	Continuous	N/A	Inter. Discharge	N/A				
Solid Waste:	Open Dump	N/A	Landfill	N/A	Burn & Bury	N/A	Underground	

Indicate:	A - Acceptable	U - Unacceptable		N/A - Not Applicable	N/I		
Discharge Qual	ity N/A	Conveyance Lines	N/A	Disch. Meas. Dev.	N/A	Freeboard	N/A
Decant Structur	es N/A	Pond Treatment	N/A	Dams, Dykes	N/A	Seepages	N/A
Dyke Inspection	ns N/A	Runoff Diversion	N/A	Erosion	N/A	Spills	A

Effluent Discharge Rate:	N/A	Samples Collected:	No Samples collected as there have been no recent discharges of waste water.
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-All sewage is contained on Grubens barge facility (~80 person capacity)(Figure 1). At the time of inspection there were approximately 10 people staying at the facility. It is understood that no discharge of sewage to the Mackenzie River is occurring. Sewage is stored and then transported back the Inuvik and/or Aklavik for proper disposal.

-No Spills and/or unauthorized discharge of waste indicated by staff.

GENERAL CONDITIONS

ndicate: A - Acceptable		e	U - Unacceptable	N/A - Not Ap	ted	
Ore & Waste	e Rock Stockpiles	N/A	Records & Reporting	N/A	Surv. Net. Prog.	N/A
Geotechnica	al Inspection	N/A	Posting, Signage	N/A	Contingency Plan	Received
Restorations	Activities	N/A	New Construction	N/A	Fuel Storage	U
Mine Water	Discharge	N/A	Chemical Storage	A	Annual Report	Received

Comments:

-In general the area was neat and tidy and operations were acceptable.

-At the time of inspection the fuel storage area was poorly bermed and would not contain fuel (diesel) if a major leak occurred (Figure 2). At the time of inspection fuel storage consisted of a 12000 gallon dual contained DuraGreen tank and contained ~7000 gallons.

This volume is a concern considering the close proximity of this facility to the Mackenzie River (~30m) (Figure 2). A verbal direction was given to representatives to address the concerns. Specifically, the concerns were inadequate berm height, and incomplete berm around the Northwest corner of the containment area (Figure 3). Lack of a complete berm at the Northwest corner is a concern because the general topography of the area sloped in this direction. The above concerns were also discussed with Mike Muller of IEG. It was agreed that the above issue would be addressed.

-It is important to note that all staff involved with the inspection were friendly, informative and cooperative. Much thanks!



General Comments:

-At the time of the inspection most facilities and operations relating to the in situ bioremediation cells, as described in the April 2001 Project Description and prepared by IEG, were decommissioned and no longer in use. This project was deemed ineffective. At the time of inspection a new project was occurring and consisted of a "tilling and aeration" project using an Alu bucket (Figure 3,4). Operations are to finish around August 10th, 2003. It was indicated by IEG staff that the new remediation plans were reviewed and approved by the NWT Water Board.

-Future plans are to monitor soils and water around the area for a number of years to ensure remediation objectives.

-Noted personal on site included Colin Gordon (ILA), IEG Staff Scott Machej and Baub Kyle, Lennard Gordon (Wildlife), Henry Steene (maintenance), Mike Norris (medic).

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	and the Miller I								
Additional (Comments Attach	ed: Yes	1	No X					
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List of Figures for Industrial Water Licence Inspection Report

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Figure 1. Aerial View of Shell Canada Ltd. West Channel Remediation Project.



Figure 2. Southeast corner of containment berm.



Figure 3. Alu bucket located to the northwest of the fuel storage tank. Please note the absence of a containment berm in this area.

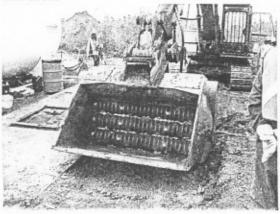


Figure 4. Excavated contaminated area showing aerated soil in background. The soil is to be placed back in excavated area by Alu bucket.

