

UMA Engineering Ltd.
2540 Kensington Road NW
Calgary, Alberta T2N 3S3
T 403.270.9200 F 403.270.0399 www.uma.aecom.com

March 28, 2007 File Name: CAM-3 (3.6)

Phyllis Beaulieu Licensing Manager Nunavut Water Board P.O. Box 119 Gjoa Haven, NU X0B 1J0

Dear Ms. Beaulieu:

Re: 2006 Annual Report: Water Use License #1BR-SHE0510

UMA Engineering Ltd. is pleased to submit this annual report as per the requirements of Part B.1 of water use license 1BR-SHE0510. The report was prepared on behalf of Defence Construction Canada and the Department of National Defence.

Water Usage

The following table provides a summary of the water usage from the Water Supply Lake and the effluent in the sewage lagoon.

Month	Quantity of Water Extracted (cubic metres)	Quantity of Effluent (cubic metres)
June	195	155
July	512	410
August	272	218
September	190	152

Sewage Effluent Monitoring

One effluent sample was collected from the camp sewage lagoon by the contractor on July 14, 2006 and submitted to RMC Analytical Services Group in Kingston, ON for analysis. The following table provides a summary of the results.



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Parameter	Units	Allowable Maximum Average Concentration	06-15863 (July 6, 2006)
рН	pH units	6.0 to 9.0	7.56
Oil & Grease	-	None visible	None visible
Total Suspended Solids (TSS)	mg/L	180	34
Biological Oxygen Demand	mg/L	120	299
Faecal Coliforms	CFU/dL	10,000	Not analyzed
Total Coliforms	MPN/100mL	-	>2,419.2
E.Coli	MPN/100mL	-	365,000

No discharge events were recorded in 2006.

Summary of Completed Work in 2006

The majority of the work at the CAM-3 site focused on granular material extraction, construction of the Lower Site Tier II Soil Disposal Facility, the Non-Hazardous Waste Disposal Facility, landfarm, contaminated soil removal and demolition. Removal of debris, contaminated soil and demolition only occurred once the new disposal facilities had been completed and were ready to receive waste materials. All monitoring wells and monuments were installed as of July 1, 2006. A summary of the work completed for each task is provided below, and selected site photographs are attached. The work plan for 2006 is to continue with the clean up program as described in the 2004 Project Description.

Demolition: Five out of the eight demolition sites have been totally completed. The cold storage shed, POL lines, diesel fuel tank and concrete ring, antenna poles and culverts from the old airstrip have been demolished and appropriately disposed of. The communication dishes, the billboard and POL storage tank still need to be hauled to the Non-Hazardous Waste Landfill. Asbestos found during demolition of the cold storage shed was containerized in double bags.

Landfarm: The landfarm area was surveyed, stripped, reshaped, and regraded. Berm construction and the key trench were completed and then the geomembrane and non-woven geotextile filter fabric were installed. The landfarm started receiving hydrocarbon impacted soil on July 19, 2006. Primary tilling began on August 18, 2006. Approximately 3600 m³ of hydrocarbon contaminated soil has been removed and placed in the landfarm.

Tier II Soil Disposal Facility: The outer berms of the Tier II Soil Disposal Facility are complete and the facility is ready for liner installation in 2007.

Non-Hazardous Waste Landfill: The Non-Hazardous Waste Landfill area was surveyed and berm construction was completed. The facility started receiving waste the week ending July 22, 2006. The contractor built smaller than the tender specifications; therefore, in order to correct this problem the inside of the berms were trimmed back. The outer material of the berms still requires compaction, which should be completed in 2007.

Contaminated Soil Removal: All Type B hydrocarbon soil areas have been excavated and backfilled with clean granular material. The excavation and backfilling of Type A hydrocarbon soils is in progress. Tier I and II soil removal is scheduled for 2007. One Tier II soil site was excavated as it interfered with a Type B soil excavation. The soil has been temporarily stockpiled and will be placed in the Tier II facility in 2007. The removal of hazardous soils is in progress.



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Landfill Remediation: The USAF landfill has had the surface regraded and the first sand lift was placed. Leveling, placement and compaction and closure are scheduled in 2007.

Debris Removal: Known debris removal is on-going, but nearing completion. Thirty one of the thirty four debris areas were completed and inspected, while three areas still have some debris to be collected.

Community Meetings

There were no community meetings held in 2006.

Spill Incidences

No spill incidences were reported to the Spill Report Line at CAM-3 in 2006.

We trust the information provided is consistent with the requirements of Water Use Licence #1BR-SHE0510. Please feel free to contact the undersigned if you have any questions or comments.

Sincerely,

UMA Engineering Ltd.

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Eva Schulz, P.Ag, Environmental Scientist eva.schulz@uma.aecom.com

cc: Douglas Craig, DCC



Photo 1: Backfilling Beach POL excavation.



Photo 2: Backfilling contaminated soil area #9.





Photo 3: USAF Landfill



Photo 4: Placement of sand layer on Tier II Soil Disposal Facility berms

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Photo 5: Placement of cover layer on Non-Hazardous Waste Landfill



Photo 6: Demolition of communication dish





Photo 7: Oil sorbent booms at the landfarm



Photo 8: Placement of geotextiles at landfarm

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