



Inspection Report

License #: 2BB-MEL0709

Inspector: A.Keim

CIDMS # 326379

Client	COMAPLEX MINERALS CORPORATION		
Mailing Address	Comaplex Minerals Corp. 901, 1015 4 th St. SW, Calgary AB T2R 1J4 Email: mbalog@comaplex.com		
Inspection site location	Meliadine West		
Contact name	Mark Balog	Title	Geologist
Last inspection date	June 24, 2007		
Inspection start date	August 2, 2008		
Region	Kivalliq		



INAC, Nunavut District
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Submitted Via E-Mail

Our File: 2BB-MEL0709

Your File: _____

CIDM #326379

April 17, 2009

Douglas A. Dumka
Chief Geologist
COMAPLEX MINERALS CORP.
Suite 901, 1015 4th St. SW
Calgary AB
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RE: Water Licence Inspection August 2, 2008

On the 2nd of August 2008 a compliance inspection was carried out on the Meliadine West Exploration Project and facilities located at Latitude: 63° 1' 30" N Longitude: 92° 10' 20" W in the Kivalliq Region of the Nunavut Territory.

The Inspector thanks Mr. Martin Eastwood and Mr. Andrew Satis for their assistance and time during the inspection.

At the time of inspection, the Camp and associated underground bulk sampling activities were approved under Water License 2BB- MEL0709, issued on July 31st, 2007 as an amendment to the original exploration License issued February 23, 2007. An Annual Report for 2007 as well as up-dated Spill Plan and Abandonment and Restoration Plan dated January 2007 were noted in the file. This was an outstanding requirement from the 2007 Inspection.

The Exploration Camp collects potable water from Meliadine Lake. One Potable water sample was collected during the Inspection period. None of the Sample Parameters returned values in excess of the CCME guideline for Community Drinking Water.

One sample from the runoff of the waste rock piles adjacent to the Underground Bulk Sample portal (Primary Containment Area as identified by the licensee in the submitted WROSM Plan) was collected. The following parameters returned values in excess of License limits or CCME guidelines.

Parameter	Returned Value	CCME Guideline
Arsenic	34.1 µg/L	5 µg/L
Iron	318 µg/L	300 µg/L
Cyanide	15 µg/L	5 µg/L

CCME : Canadian Council of Ministers of the Environment criteria for Protection of aquatic life

The Potable Water is run through a system of filters and a UV system prior to use within the Camp. All equipment was found in good order and in operation during the period of Inspection. The pumping system for discharge from the camp was ordered moved by the Inspector during the period of Inspection. The Inspector noted that the grey-water flow was deposited directly into Meliadine Lake contrary to the License. The Licensee has yet to comply with the direction requiring that the sump be enlarged or the flow redirected. Failure to comply will result in enforcement action being undertaken in accordance with the Nunavut Water and Nunavut Surface Rights Tribunal Act

It is noted that Flow meters have not yet been installed as required and ordered in previous inspections..

Human waste issues caused concern for the Inspector and a Direction was issued to the Licensee to address this issue. It is unclear if the Licensee has complied.



As relates to solid waste management for the project and on site, the Inspector noted the following;

- Records detailing the back-haul of hazardous and other wastes were incomplete. Backhauling of hazardous wastes to an unlicensed treatment centre or land fill is prohibited.
- Combustible wastes were collected at the Incinerator un-segregated.
- The grey water sump was not constructed to prevent surface erosion of the tundra thus Grey water was noted being discharged directly to Meliadine Lake. (A direction to move the outfall was issued August 2008)
- The licensee was directed to submit an application to allow for the use and operation for the unlicensed land farm activities being carried out on site. To date the Inspector is concerned that this has not occurred and these activities continue on site.

As relates to Fuel storage and spill containment for the project and on site the Inspector noted the following;

- Secondary containment is insufficient at the Camp.
- Secondary Containment around the bladders noted at Bulk Sample portal require stamped engineered drawings certifying their ability, in the current configuration, to contain a release of product. (Direction issued August 2008)
- Secondary Containment around the bladders noted at Bulk Sample portal require stamped engineered drawings certifying their capacity in their current configuration to contain 100% of the fuel stored within the Bladder. (Direction issued August 2008)
- A direction to cease using these above noted bladders until the above were submitted was issued. No reports have been forth coming from the Licensee to date.
- Carbon filters must be installed on all secondary containment drainage of fuel storage to prevent the release of contaminated contact water built-up inside the secondary containment.
- Secondary containment at the drill and fuel transfer area is required under the license.
- Barrier devices are required around the fuel storage.

As it related to drilling activities the Inspector noted the following;

- Containment of cuttings is a mandatory requirement of the issued license. The Licensee must undertake further efforts to address the uncontrolled release of cuttings noted during the inspection.

The Inspector noted the following deficiencies or instances of non-compliance with either the current water license or the Nunavut Waters and Nunavut Surface Rights Tribunal Act.

Non-Compliance: Issues identified during the inspection and/or review of relevant material

Issues with a known or anticipated human health impacts;

- Depositing Human waste on the ground outside accommodation units on site. (not incinerated)

Issues where there is a known or anticipated environmental impairment;

- Secondary Containment is required for fuel storage.
- Containment of drill cuttings is required.
- Relocation of grey water Sump discharge as directed.
- Installation of activated carbon filters on secondary containment is required.
- The practice of having large amounts of Combustible wastes and kitchen wastes stored outside and uncovered must cease.

Issues where there is a known or suspected violation of a requirement of the Water License;

- Records of backhauling of waste, both hazardous and non hazardous must be available for review during the period of inspection.
- Hauling hazardous wastes to an unlicensed facility is contrary to the issued license.
- Installation of an unlicensed Landfarm
- Failure to install water meters as required.



The Licensee continues to operate in Non-compliance with the issued License. A recommendation to proceed to an enforcement action was submitted by the Inspector.

A. Keim

Inspector's Name

Inspector's Signature

Cc:

Bernie Mac Isaac –A/ Manager Field Operations Section- Indian and Northern Affairs Canada

Phyllis Beaulieu – Manager licensing – Nunavut Water Board