



# Inspection Report

**License #:** 2BB-MEL0914

**Inspector:** A. Keim

**CIDMS #** 383348

Client	COMAPLEX MINERALS CORPORATION		
Mailing Address	Comaplex Minerals Corp. 901, 1015 4 <sup>th</sup> St. SW, Calgary AB T2R 1J4 Email: <a href="mailto:mbalog@comaplex.com">mbalog@comaplex.com</a>		
Inspection site location	Meliadine West		
Contact name	John Witteman	Title	Environmental Consultant
Last inspection date	June 24, 2007	August 2, 2008	
Inspection start date	August 1, 2009		
Region	Kivalliq		



INAC, Nunavut District  
Box 100  
Building 918  
Iqaluit, NU, X0A 0H0

Submitted Via E-Mail

Our File: 2BB-MEL0914

Your File: \_\_\_\_\_

CIDM # 383348

January 6, 2010

Douglas A. Dumka  
Chief Geologist  
COMAPLEX MINERALS CORP.  
Suite 901, 1015 4<sup>th</sup> St. SW  
Calgary AB T2R 1J4

**RE: Water Licence Inspection August 1, 2009**

The following inspection report was generated on a compliance inspection 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 inspection was conducted to determine compliance with the terms and conditions of the Water License (2BB-MEL0914) issued to Comaplex Minerals Corp. by the Nunavut Water Board (NWB).

The report references the applicable parts of the Water License (2BB-MEL0914) and the findings observed under each of those Parts. During the writing of this report a compliance review was undertaken of the documents, plans and manuals filed by the Licensee and located on the Nunavut Water Board's FTP site.

The Inspector thanks Mr. Martin Eastwood and Mr. John Witteman for their assistance and time during the inspection.

\* It is noted that the current Water License (2BB-MEL0914) was issued on July 31<sup>st</sup> 2009, the day before the Inspection.

**Issues noted in previous Inspections;**

- 2000-** Inadequate grey water sump. Sump to be reclaimed by 2001.
- 2005 –** Requirement to install secondary containment for hazardous wastes, clean up spills near generators.
- 2007-** Failure to install proper secondary containment on fuel storage, failure to contain grey water in designated sump, failure to submit baseline water quality data.
- 2008 –** Failure to install meter on potable water source, failure to meter drill water, failure to apply for modification to an existing water license and to notify the Nunavut Water Board prior to conducting modifications, failure to contain grey water in designated sump, failure to dispose of all Human wastes via incineration.
- 2008 -** DIRECTION issued to Licensee by INAC.

**During the period of the 2009 inspection the following issues were identified by the Inspector;**

- Water Meters had not been installed on Drill units. A date of August 21<sup>st</sup> was set for compliance. Accurate water usage records for the summer months (August 21<sup>st</sup> to October 1<sup>st</sup>) are to be submitted by the licensee in the Annual report along with proof of compliance.
- Failure to undertake efforts to contain and prevent the discharge of Grey water from the sump as required. (A new waste water treatment system (RBC unit) was on site but not operational during the period of Inspection. Notification that the system has come on-line has not been received by the Nunavut Water Board or the Inspector as of the date of this report). Work to address the Sump is still required in the interim (as per Direction issued in 2008).
- Failure to adhere to the issued direction requiring the outfall location of the grey water discharge to be moved or redirected to prevent the discharge of grey water to the lake. (Installation and commissioning of the new RBC unit notwithstanding).



Samples collected down gradient from the grey water sump and adjacent to the lakeshore by the Inspector returned the following results of concern;

<b>Parameter:</b>	<b>Result</b>	<b>PAL<sup>1</sup> (CCME)</b>
Hexane Extractable Material (Oils and Grease)	3.7 mg/L	None

Samples collected from water from the Portal Sump Area by the Inspector returned the following results;

<b>Parameter:</b>	<b>Result</b>	<b>PAL (CCME)</b>
Arsenic	7.4 µg/L	5 µg/L

Samples collected from water from the Primary Containment P1 Area by the Inspector returned the following results;

<b>Parameter:</b>	<b>Result</b>	<b>PAL (CCME)</b>
Arsenic	13.0 µg/L	5 µg/L

**Non-Compliance:** Issues identified during the August 1<sup>st</sup>, 2009 inspection and/or review of relevant material;

**Issues where there is a known or anticipated environmental impairment;**

- Failure to relocate grey water discharge as directed.

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

- Failure to furnish and maintain a financial security of Six Hundred and Thirty Nine Thousand Dollars (\$639,000) in the form, of the nature, subject to terms and conditions, in accordance with the regulations, or that is satisfactory to the Minister. ( at the time of the writing of this report)
- Failure to follow the Terms and conditions of an issued Direction.

- As noted the current license was issued less than 24 hours prior to the Inspection.

The Licensee is strongly encouraged to contact the Inspector and the Nunavut Water Board concerning the steps required to achieve and maintain compliance with the issued License and the Act. A second recommendation to proceed to more formal enforcement actions has again been submitted by the inspector.

**A. Keim**

Inspector's Name

Inspector's Signature

Cc:

Peter Kusugak - Manager Field Operations Section- Indian and Northern Affairs Canada  
Phyllis Beaulieu – Manager licensing – Nunavut Water Board

<sup>1</sup> Protection of Aquatic Life– Canadian Council of Ministers of the Environment – Canadian Environmental Quality Guidelines











































