

# 2000 Compliance Report for Water Licence NWB2MEL9901

## WMC International Ltd. - Meliadine Lake Project

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Water Register:

Iqaluit, NU

## **2000 Compliance Report**

### **WMC International Ltd. - Meliadine Lake Project**

#### **Water Licence NWB2MEL9901**

#### **Introduction**

The Nunavut Water Board issued licence NWB2MEL9901 on March 1, 1999 and it was valid until March 1, 2001. This Report assesses compliance with the licence for the period between January 1, 2000 and December 31, 2000. The Licence permits the use of up to 100 cubic metres of water per day for ongoing exploration activities at the Meliadine West Gold Exploration project.

The format of this report follows that of the Licence; however, conditions without licence requirements for the year 2000 are not outlined as a compliance assessment does not apply. For example, Part 6 - Conditions for Abandonment and Restoration generally do not apply since activity at the camp has continued and the water license was renewed on March 2, 2001 through the issuance of licence NWB2MEL0103.

#### **Compliance Assessment**

##### **Part 2 - Conditions for the Use and Protection of Water**

Condition Number and Summary	Compliance Assessment
1. A maximum of 100 m <sup>3</sup> /day of water may be used from Meliadine Lake for domestic purposes.	The camp used an average of 5500 L/day for domestic uses, and 27,000 L/day for drilling activities (=32.5 m <sup>3</sup> /day).
2. All water intake hoses shall be equipped with a mesh screen.	The Licensee has complied with this condition.
3. Site activities must not contravene Section 36 of the <i>Fisheries Act</i> .	N/A
4. Construction or disturbance of any stream, lake bed or banks must be authorized by DFO.	N/A
5. No land-based drilling is to be done within 30 metres of the normal high water mark of any water body or watercourse. Drilling waste must be	The Licensee has complied with this condition. Drilling wastes are collected and taken to the Rankin Inlet waste disposal site.

Condition Number and Summary	Compliance Assessment
disposed of in a sump.	
6. On-ice drilling operations must follow the <i>Interim Guidelines for On-Ice Drilling in the N.W.T.</i>	The Licensee has complied with this condition.
7. Baseline conditions of water quality shall be established before drilling through lake ice.	Water flow in the areas of gold deposits were monitored and water quality samples were collected; however, the results are not included in the Status Report.
8. If artesian flow is encountered, drill holes shall be plugged and permanently sealed upon project termination.	N/A

### Part 3 - Conditions for the Disposal of Waste

Condition Number and Summary	Compliance Assessment
1. Waste shall not be deposited in water, or on the banks thereof, which may impair the quality, quantity, or flow of water.	The Licensee has complied with this condition.
2. Areas designated for waste disposal shall not be located within 30 metres of the ordinary high water mark of any body of water.	The Licensee has complied with this condition.
3. Waste water that cannot be re-circulated shall be disposed of in a sump that does not drain into a water body.	The Licensee has complied with this condition.
4. The sump or depression shall be of sufficient capacity to accommodate the volumes of waste such that no additional impacts are created.	The Licensee has complied with this condition.
5. Drill cuttings shall be stored in barrels for removal to the Rankin Inlet Waste Disposal Site.	The Licensee has complied with this condition, see Part 2, Condition 5.

Condition Number and Summary	Compliance Assessment
6. A sump to contain all greywater discharged shall be constructed; drainage shall be away from any water body.	A greywater sump is in use; during the July 24, 2000 inspection a path of runoff was noted and the Licensee was to rectify the problem.
7. All sewage shall be collected and incinerated.	Sewage wastes are bagged/sealed and incinerated daily.
8. All garbage and debris shall be kept in a covered metal container prior to final disposal.	The Licensee has complied with this condition.
9. All combustible and kitchen waste shall be incinerated.	Combustible wastes are incinerated, ashes are stored in 205L drums before being shipping to the Rankin Inlet waste disposal site.
10. All non-combustible wastes, scrap metal, discarded machinery and parts, and other bulky material shall be disposed of in an approved disposal site.	Non-combustible wastes are shipped to the Rankin Inlet waste disposal site.
11. No scrap metal and other bulky wastes shall be buried.	The Licensee has complied with this condition.
12. All toxic or persistent substances shall be disposed of in a manner approved by the NWB.	The Licensee has complied with this condition.

#### **Part 4 - Conditions For Camps and Access Infrastructures**

Condition Number and Summary	Compliance Assessment
1. Camps shall be located on gravel, sand or other durable land in order to minimize impacts on surface drainage.	The Licensee has complied with this condition.
2. Construction of camps or storage sites on the surface of lake/stream ice shall not occur.	The Licensee has complied with this condition.
3. Camps shall be kept clean and tidy at all times.	The camp was found to be well-kept and efficiently managed during the July 24, 2000 inspection.
4. All sites shall be prepared in a manner so as to prevent rutting of the ground surface.	The Licensee has complied with this condition.
5. Equipment or vehicles shall not be moved unless the ground surface is in a state capable of fully supporting them.	The Licensee has complied with this condition.
6. Overland travel of equipment or vehicles shall be suspended if rutting occurs.	The Licensee has complied with this condition.
7. Corrective measures shall be taken in the even of impacts on surface drainage.	The Licensee has complied with this condition.

#### **Part 5 - Conditions For the Use and Storage of Fuel, Chemicals and Additives**

Condition Number and Summary	Compliance Assessment
1. All spills shall be reported immediately.	There were no spills in 2000, fuel is handled and stored appropriately.
2. Unauthorized discharges shall employ the Contingency Plan, be reported immediately, and a detailed report must be submitted to the Inspector	N/A

Condition Number and Summary	Compliance Assessment
within 30 days.	
3. Chemicals, fuel or wastes shall not enter water frequented by fish; sumps and fuel caches must be 30 metres from the normal high water mark.	The Licensee has complied with this condition, refer to Condition 1.
4. Drill additives or muds shall be re-circulated or contained such that they do not enter the water, or are certified to be non-toxic.	The Licensee has complied with this condition.
5. One extra fuel storage container shall be kept on site that is equal, or greater than, the size of the largest container.	The Licensee has complied with this condition.
6. All fuel and chemical storage containers shall be examined regularly for leaks; damage shall be repaired immediately.	The Licensee has complied with this condition, chemicals are stored in sealift containers.

#### **Part 6 - Conditions for Abandonment and Restoration**

Condition Number and Summary	Compliance Assessment
1. N/A 2. N/A 3. N/A 4. N/A	
5. Progressive and immediate restoration shall be completed for components of the project which are no longer required.	As discussed during the July 24, 2000 inspection, the former greywater sump and burn site were reclaimed.

## Part 7 - Other Conditions

Condition Number and Summary	Compliance Assessment
1. The NWB shall be notified of any changes in operating plans or conditions associated with this project.	Changes in operating plans and conditions were addressed through the licence renewal process.
2. The NWB shall be informed 30 days prior to any change in operating plans.	N/A
3. An annual report shall be submitted to the NWB and Inspector within 30 days upon expiration of the permit.	The annual report was received on June 4, 2001.
4. The NWB reserves the right to impose closure of any area in periods where dangers to natural resources are severe.	N/A

## Conclusion

During the year currently under review (2000), the Licensee has complied satisfactorily with the conditions of licence NWB2MEL9901. The camp has been maintained satisfactorily and there were no significant environmental issues at the site. However, the summary report as required by Part 7, Condition 3 is incomplete. The report does not summarize water quality data, or the abandonment and restoration activities undertaken at the site. The Licensee must ensure that the 2001 Annual Report includes, as a minimum, the information required by Part B, Item 1 of the current water licence (NWB2MEL0103).