

ACTOR OF LITTOHAIVEOPLOTIK KATIMAYIIT

December 23, 1998

VIA: Fax No.

Dear Kivalliq Distribution List:

NIRB file no. 98EN124 (new file) 98E07N110 (old file)

Project: Mineral Exploration/Dimaond Drilling - Meliadine Lake, Kivalliq

cc. Philip di Pizzo, Executive Director, NWB, Gjoa Haven

Enclosed please find an application for a water licence to conduct mineral exploration and diamond drilling at Meliadine Lake in the Kivalliq. Please use the above NIRB # 98EN124, and the contact person listed below in all future correspondence regarding this application.

Please assess the project proposal for the potential effects on the ecosystemic and socioeconomic environments using your knowledge of the area or your field of expertise.

Please forward your comments and recommendations to NIRB by Tuesday, January 26, 1999.

Your input is greatly appreciated.

Yours truly.

Jaida Edwards

Environmental Assessment Screener

Phone-867-983-2593 Fax-867-983-2574

# COMMENT FORM FOR NIRB SCREENINGS

The Nunavut Impact Review Board has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. In order to assess the environmental and socio-economic impacts of project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Community service average and a	
Indicate your concerns about the no concerns water quality terrair air quality wildlife and their habitat marine mammals and their habitat	
□ fish and their habitat □ heritage resources in area Please describe the concerns in	
Do you have any suggestions of	esconmendations to chils application?
Do you support the project prop Any additional comments?	osai? YES 🗆 NO 🗆
Same of Figure 1 community 1.	

December 23, 1998

To: Distribution List via fax.

e: NIRB: 98EN124 (New File) 98E07N110 (Old File)

Project: Mineral Exploration - Meliadine Lake

Proponent: WMC International Limited

Region: Kivallig (63° 01' 30" N, 92° 10' 20" W)

### Project Overview:

WMC International has applied for a renewal to their water licence from the Nunavut Water Board for the purpose of conducting mineral exploration and diamond drilling on Inuit Owned Lands in the Meliadine Lake Area near Rankin Inlet.

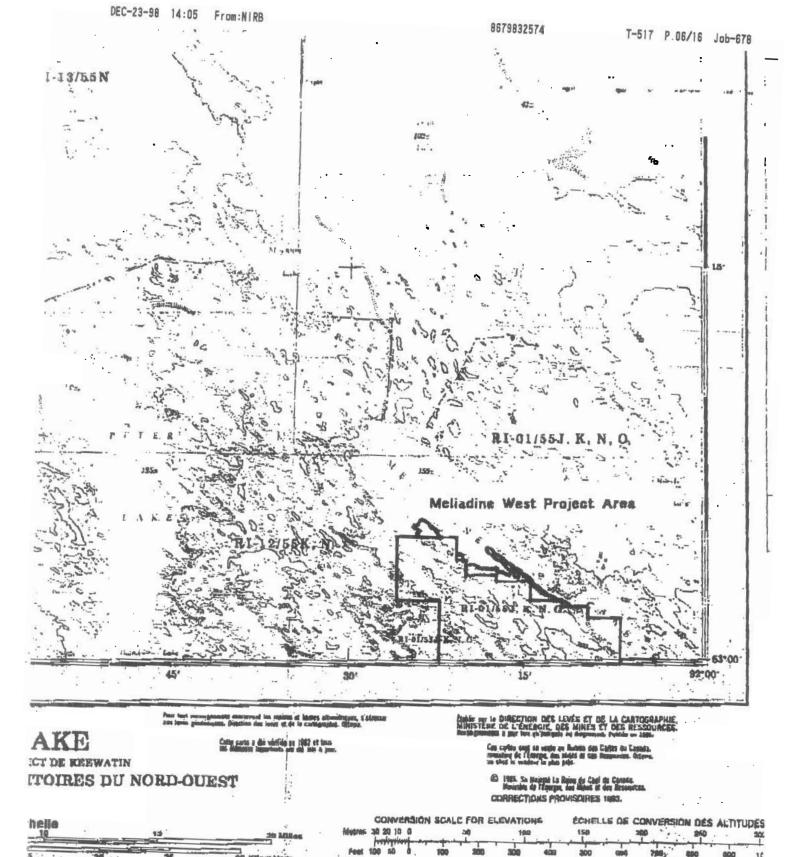
All components of the exploration and diamond drilling are unchanged except for an increase in camp population to a fifty person camp. The camp is located on an esker on the south shore of Meliadine Lake. The site is selected based on topology and proximity to exploration area in consultation with Kivaliq Inuit Association.

They will be taking water from Meliadine Lake and small ponds for land based drilling. The consumption for the camp will be 5000 litres per day and for the exploration and diamond drilling will be 75,000 litres per day. The water intake for the camp will be done by submersible pump with a filtered intake.

Drll cuttings will be collected in a centrifuge and removed, stored in barrells for removal to Municipal Dump at Ranking Inlet. Winter drilling fluids will be pumped to sumps on shore. All land based drilling fluids will be treated in sumps to collect cuttings, allowing the water to drain in to the surrounding landscape. Spill kits will be located at each fuel tank location: camp; diesel fuel, jet fuel tanks, drill diesel tanks.

## Waste Treatment & Disposal

Camp sewage and solid waste will be incinerated (Westlund, 120 lbs/hour), scrap metal, waste oil/hazardous waste and non-combustible waste will be taken to Rankin Inlet municipal dump.



Traptumen Morestor Pyzygesjon

EQUIBISTANCE DEL COURSES INQ PICOS

14.7

December 18, 1998

Mr. Philippe di Pizzo Executive Director Nunavut Water Board P.O. Box 119 Gjoa Haven, NT XOE 1J0





GROUP PROJECTS

Dear Mr. di Pizzo:

Please accept the enclosed Nunavut Water Board (NWB) Water Licence Application Form on behalf of WMC International Ltd. for the 1999 and 2000 Meliadine West Project gold exploration program. This application is for a renewal of the water license required for water useage associated with the Meliadine Lake exploration camp and the diamond drilling work conducted on Inuit Owned Land. Enclosed are the 1995 through 1997 Project Status reports (in English and Inuktitut). The 1998 Project Status Report is currently being translated and will be forwarded upon completion in early January, 1999.

This application is for a renewal of existing permit NWB2MEL which will expire on December 31, 1998. In order to avoid any interruption in permitted water use, WMC would also like to request an extension to this existing permit to cover the period between January 1st, 1999 and the issuance of a new permit. Although the diamond drilling program will not commence prior to March 31st, 1999, the camp will be occupied by two to three people acting as watchmen for the period January 1st to March 31st, 1999.

Please note that the single issue to be addressed after Mr. Paul Smiths June 7th, 1998 inspection of the Meliadine Lake camp was an amendment to the existing permit under the NWT Waters Act allowing WMC to dispose of the sewage wastes of more than 50 people. This has been rectified in the attached renewal application where the number of persons in the camp during the peak period has been increased to 45-60 from the 45 noted in the existing permit.

Enclosed is a cheque in the amount of \$30.00 for Permit Application Fee,

Your comments and questions are always welcome. Please do not hesitate to call either myself or Joe Campbell at the WMG International Ltd. office at 613-727-3937 or Ben Hubert at 403-256-0017.

Sincare A

District Geologist, Wesmeg

cc. I Campbell, B. Hubert, S. Deveau, K. Steeves and J. Bernard

Attachments: 1999 / 2000 Water Licence Application Form

Exploration/Remote Camp Supplementary Questionnaire

Fuel Spill Contingency Plan

Environmental Management System

WMC International Limited Group Projects Westing

22 Gurdwara Road Nepcan, Ontario Canada K2E 8A2

Tel (613) 727-3937 Fax (613) 727-3970

A -proper of the WMC Limited

Application for (check one)

# APPLICATION FORM

□ New □ Amendment □ Renewal □ Assignment	nent					
1. NAME AND MAILING ADDRESS OF APPLICANTALICENSEE	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)					
WMC International Limited 22 Gurdwara Road Nepean, Ontario	WMC International Limited BCE Place 181 Bay Street, Suite 3000					
K2E 8A2	P.O. Box 185, Toronto, Ontario DEC 2 2 1998					
Phone: (613) 727 3937  Fax: (613) 727 3970  o-mail: Alan Sox on @wmc-ppm.su	Phone: (416) 869-3635 x239  Fax: (416) 869-3339  PLENT IC RECEIST BY  o-mail:					
3. LOCATION OF UNDERTAKING (describe and agraci undertaking)	h a topographical map, indicating the main components of the					
Meliadine Lake, Nunavut						
Latitude: 63°01'30" Longitude: 92°10'20"	NTS Map No. 55 N/1 Scale 1:50,600					
4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)  1. Domestic watersupply for a 45-60 person camp by way of a submersible pump in Meliadine Lake to provide approximately 5000 litres per day during peak period of April 1 to October 31 in both 1999 and 2000.						
<ol><li>Water for diamend drilling in the area of the exploration progra enclosed.</li></ol>	on described on the map attached to the project status report					
5. TYPE OF UNDERTAKING (A supplementary question listed in "bold")	maire must be submitted with the application for undertakings					
□ Industrial □ Remota/Tourism Camps						
☐ Mine Development ☐ Municipal ☐ Advanced Exploration ☐ Power						
Exploratory brilling Other (describe); Explora	stion Camp					
6. WATER USE	□ To divert a watercourse					
☐ To modify the bed or bank of a watercourse	☐ Flood control					
☐ To alter the flow of , or store, water ☐ To cross a watercourse	☐ Other (describe):					

7.	QUANTITY OF WATER INVOLVED (litres per second, litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)  5000 litres per day in camp (during peak period of April I - October 31); 1000 litres per day during off-peak periods 75,000 litres per day for three drills (during drilling season of April I - October 31)						
8.	WASTE (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)						
	☐ Sewage ☐ Waste oil ☐ Solid Waste ☐ Hazardous ☐ Sludges ☐ Hulky Items/Scrap Metal ☐ Other (describe) drilling water						
9.	PERSONS OR PROPERTIES A attach if necessary)	FFECTED BY	THIS UNDERTAKING (give name, mailing address and location:				
	Land Use Permit	•	[se <sup>al</sup> ]				
	DIAND	NY CES IN NO	If no, date expected				
	Regional Inuit Association	□ Yes MNo	If no, date expected March 30, 1999				
	Commissioner	□ Yes □ No	If no, date expected				
10.	PREDICTED ENVIRONMENT MEASURES (direct, indirect, cur		OF UNDERTAKING AND PROPOSED MITIGATION (stc.)				
	NIRB Screening	I Yes No	If no, date expected March 30, 1999				
	See attached Environmental Mana	gement System					
11.	CONTRACTORS AND SUB-CO	DITRACTORS	(name, address and functions)				
	See attached list.						
12.	STUDIES UNDERTAKEN TO	ATE (list and a	stach copies of studies, reports, research, etc.)				
	Numerous studies have been undertaken which relate to the entire project. Please see the attached hibliography.						

	LOWING DOCUMENTS <u>MUST</u> BE INCLUDED WITH THE APPLICATION FOR THE AFORY PROCESS TO BEGIN								
Supplem	Cuestionnaire (where applicable: see section 5) NYes   No 1f no, date expected								
Inuktitut	mt/English Summary of Project								
Applicat	Application fee \$30.00 (c/o of Receiver General for Canada) DYes D No If no, data expected								
14. PROPOS	D TIME SCHEDULE								
Ci Annu	(or) Ed Multi Year								
Start Det	: March 1, 1999 Completion Date: February 27, 2001								
Alan Sexton	District Geologist A 12/9								
Name (Frint)	Title (Print) Signature Date								
	POSIT Amount: Section No.								
Section of the sectio									
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# EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

ADM	INISTRATIVE INFORMATION	
1.	Environment Manager: Ben Hubert Tel: (403) 256-0017 Fax: (403) 256	-1228
2.	Project Manager. <u>Joe Campbell</u> Tel: (613) 727-3937 Fax: (613) 727	-3970
3.	Does the applicant hold the necessary property rights? Yes	
4.	Is the applicant an 'operator' for another company (i.e., the holder of the property ri- If so, please provide letter of authorization. No	ghts)?
5.	Duration of the Project  Annual  Multi Year:  If Multi-Year indicate proposed schedule of on site activities  Start: April 1, 1999 Completion: March 30, 2001	
САМП	PCLASSIFICATION	
6.	Type of Camp  O Mobile (self-propelled) O Temporary Seasonally Occupied: Exploration Camp O Permanent O Other:	
7.	What is the design population of the camp and the maximum population expected on at one time? What will be the fluctuations in personnel?	ı site
	45-60 people with April 1 to October 31 being the peak period.	
8.	Provide history of the site if it has been used in the past.	
	See Status Report in English and Inuktitut.	

October 1998

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P-181W	E LOCATION	
9.	Please describe proposed	camp location in relation to biogeographical and
	geomorphological feature	
Car	np is located on an esker o	on the south shore of Meliadine Lake at Latitude 6301'30"
and	Langitude 92°10'20",	
10.		the camp selected? Was the site previously used? Was assistance
	100mg ( ) . The control of the contr	ssociation Land Manager sought? Include maps and/or aerial
	photographs.	
		gy and proximity to exploration area in consultation with
KI	A	
	Combine to the second	1
11.		of the project located on:
	Crown Lands	Permit Number (s)/Expiry Date:
	Commissioners Lands	
	Inuit Owned Lands	Permit Number (s)/Expiry Date: KE96P090. January 9, 1999
		A SECOND CONTRACTOR OF SECOND
12.	Closest Communities (dis	pance in km):
Rai	nkin Inlet, 25 km	
13.	Has the proponent notifie	d and consulted the nearby communities and potentially
	interested parties about the	e proposed work?
Con	nsultation has been ongois	g since 1995. Next community consultation will be week of
Jan	uary 11, 1999 in Rankin l	nlet and Chesterfield Inlet.
14.	Will the project have imp	ects on traditional water use areas used by the nearby
		pject have impacts on local fish and wildlife habitats?
No		*
-		
	I .	
PURI	POSE OF THE CAMP	1 .
15.	Mining (Explore	tion)
		fishing, wildlife observation, adventure/expedition, etc.)
	(Omit questions #	
	O Other	(Omit questions # 16 to 22)
Desober	1998	Page 2 of 6
LINE TO BE	4000	

		na Liow:WIKR			8679832574	T-517 P.13/16	Job-678
16.	00088860	Preliminary si Prospecting Geological m Geophysical si Diamond dril Reverse circu Evaluation D Other:	apping survey ling lation drilling	ling (also complete	separate questio	nnaire)	
17.	00000	of deposit: Lead Zinc Diamond Gold Uranium Other:					
DRII	LLING.	INFORMATIO	ON.				-
18.	Drillin	g Activities Land Based d Drilling on ice	den.				
20. Wi	Rankin Descri	in a centrifuge Inlet. the what will be illing - all drill	done with drill wing fluids will be	ored in barrels fo	s on shore. All	land hased	
21. <u>Ca</u>		and provide co		of the drill additives a additives are non			
22. No		ny core testing	be done on site? I	Describe.			·.
-							
SPIL	L CON	IINGENCY P	LANNING				
23, <b>See</b>		he proponent h d Spill Contin	·	gency plan in place	Please include t	for review.	
Oatober	1998		***   ***			Page 3 of 6	
	1						

24.	How many spill kits will	be on site and where will they be located?  k location: camp diesel tanks, Jet fuel tanks, drill diesel tanks
	attached plan).	a notation. Camp these tanks, det thet tanks, tirm these tanks
1956	strachen brant.	
25.	Please describe the types and provide MSDS shee	quantities, and method of storage of finel and chemicals on site,
See		Management System.
- SEE	WHITE THE THAT AND THE THAT	Attitude inchi Pastrui.
WAT	ER SUPPLY AND TRE.	ATMENT
26.	Describe the location of	water watered
		nd ice drilling, numerous small ponds for land based drilling.
IVIE	HALLIE LABETH LAMPA	
27.	Estimated demand (in L/	day * person): (based on 50 people in camp)
	Domestic Use:	5000 I/day Water Source: Meliadine Lake
i		75,000 Vday Water Source: Meliadine Lake + small ponds
1		
	Other:	Water Source:
28.	Donniba water intoles for	camp operations? Is the water intake equipped with a mesh
£Q.	screen to prevent entrapt	
Qub	mersible promp with filte	ep.
aup	stier strie birnin Aura title	CEN INTRING
20	Will distance and	to be manifed and? Without magnessary will be seen and and an order
29.		y be monitored? What parameters will be analyzed and at what
W.)	frequency?	and and to Anti-Washington and Yahantan in Malla Vision
		nd sent to Arctic Environmental Laboratory in Yellowknife
mr :	standard drinking water	cost.
	and the second s	
30.	Will drinking water be tre	
If ne	cessary (based on testing	, water will be clorinated.
	1	
31.	Will water be stored on a	ne?
No.		
-		
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		-

WAS	TE TREATMENT AND DISPOSAL							
32.	Describe the characteristics, quantities, treatment and disposal methods for:							
34.	Camp Sewage (blackwater)							
	Incineration							
	Camp Greywater							
	Sump							
	O Solid Waste							
	Incineration/Rankin Inlet Municipal Dump							
	Bulky Items/Scrap Metal							
-	Rankin Inlet Municipal Dump							
	Waste Oil/Hazardous Waste							
	Rankin Inlet, Comilik Construction							
	Empty Barrels/Fuel Drums							
	Damaged barrels taken to Rankin Inlet for use as Municipal garbage pick-up							
	barrels, small % of good barrels still used.							
	Other:							
33.	Pease describe incineration system if used on site. What types of wastes will be							
J.J.	incinerated?							
Was	thind, 120 lbs/hour waste burn.							
44 8-40	September 1 and 1							
34.	Where and how will non-combustible waste be disposed of? If in a municipality in							
375-315	Nunayut, has authorization been granted?							
Ran	kia Inlet Municipal Dump (see attached letter).							
35.	Describe location (relative to water bodies and camp facilities ) dimensions and volume,							
	and freeboard for sumps (if applicable).							
2m 1	2m x 1.2m sump, 4500 litres per day (peak), see location on attached map.							
	1:							
36.	Will leachate monitoring be done? What parameters will be sampled and analyzed, and at							
	what frequency?							
N/A								
OPER	ATTON AND MAINTENANCE							
0.00								
37.	Have the water supply and waste treatment and disposal methods been used and proven in							
	cold climate? What known O&M problems may occur? What contingency plans are in place?							
Y	se since 1996 at present location.							
THE IN								
~	1 1							
October 1	998 Page 5 of 6							
	3							
	5.4							

l	ABANDO	NMENT AND RESTORATION	DN

 Provide a detailed description of progressive and final abandonment and restoration activities at the site.

See attached Abandonment/Decommissioning Plans.

### BASELINE DATA

- His or will any baseline information be collected as part of this project? Provide bibliography.
  - Physical Environment (Landscape and Terrain, Air, Water, etc.)
  - Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
  - Socio-Economic Environment (Archaeology, Land and Resources Use, Demographics, Social and Culture Patterns, etc.)
  - O Other:

See attached bibliography.

#### REGULATORY INFORMATION

- 40. Do you have a copy of
  - Article 13 Nunavut Land Claims Agreement
  - NWB Water Licensing in Nunavut Interim Procedures and Information Guide for Applicants
  - ONWB Interim Rules of Practice and Procedure for Public Hearings
  - NWTWB Guidelines for the Discharge of Treated Municipal Wastewater in the
  - NWTWB Guidelines for Contingency Planning
  - OFO Freshwater Intake End of Pipe Fish Screen Guideline
  - Fisheries Act s.35
  - RWED Environment Protection-Spill Contingency Regulations
  - O Canadian Drinking Water Quality Guidelines
  - W Public Health Act Camp Sanitation Regulations
  - Public Health Act Water Supply Regulations
  - Territorial Land Use Act and Regulations

You should consult the above document, guidelines, and legislation for compliance with existing regulatory requirements.

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Distribution List for NIRB File #: 98EN124
Project Name: Mineral Exploration/Diamond Drilling - Meliadine Lake

Kivalliq List # of Pages 16

Contact Name:				Phone #:	Fax #:
Nunavut: NTI Kivalliq IA NPC NWB NWMB Keewatin Wild	Chief I Execut Execut Execut	nmental Manager Land Administrator tive Director tive Director tive Director Chairperson	ı	983-2517 867-645-2810 613-238-1155 867-360-6338 867-979-6962 867-857-2695	983-2723 867-645-3855 613-238-5724 867-360-6369 867-979-7785 867-857-2990
Prederal: DIAND - Nur DIAND - Kiv DFO - Eastern DOE	alliq	District Manager Regional Inspector Regional Biologist Mgr. Environmenta Protection Branch		867-979-4405 867-645-2831 867-979-6274 867-920-6050	867-979-6445 867-645-2592 867-979-4539 867-873-8185
Territorial G RWED - HQ RWED - Kiva MACA Transportation PWNHC  Communities Rankin Inlet:	lliq n	Kelly Robertson Tim Devine Shawn Maley Jason Brown Charles Arnold		867-920-8069 867-857-2828 867-645-5042 867-645-5087 867-920-8084	867-873-0114 867-857-2986 867-645-2321 867-645-3357 867-873-0205
Hamlet Aqiggiak HTO Other: BQCMB		SAO Chairperson Chairperson		867-645-2953 867-645-2350	867-645-2146 867-645-3257
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