

MEMORANDUM

TO: Allen Jones
Mill General Foreman

DATE: February 16, 1996

FROM: Erik Madsen
Environmental Superintendent

c.c. John Stard - Mine Manager
Phil MacIntyre - Mill Superintendent

RE: SPILLS - FOLLOW-UP ACTION REQUIRED

I just finished an inspection of the most recent spills with Mr. Darren Unrau, Inspector - DIAND. He had inspected the seepage in the area around Dam #22 yesterday prior to the snow fall and had taken pictures of the site. After inspecting the three spills sites, he expressed concern with two of the sites. All of these spills will be left open (files) until they can be further inspected in the spring and summer. The following outlines his concerns and follow-up action required from each of these spills:

1) TAILINGS LINE BREAK:

He was not concerned with this spill, as the area is not near any water bodies but requested that the contaminated material in the area be scraped-up and deposited in the tailings pond. He will inspect this area this spring/summer to ensure the appropriate clean-up has been undertaken.

2) SEEPAGE DAM #22 AREA:

He was somewhat concerned with this area, as the ponded levels in the excavated trench appear to have increased since he last saw it yesterday. It was suggested that the area be monitored closely and that the area be pumped should the levels increase or that the trench be further excavated to direct flow to the original catchment basin.

It was pointed out to him that more frequent inspections would be conducted during each shift - every six hours.

Please ensure that shifters are made aware of this requirement and that all pumps in the area be checked to ensure that they operating.

3) SPILL BY REFINERY:

It was pointed out that the clean-up of this spill was not acceptable and that further action was required. Either the ponded solution in the catchment basin will have to be pumped back to the mill or the material will have to be scraped out. His concern is that there is not enough

capacity in the basin to hold another spill similar to this size, which is a valid point considering the number of spills which have occurred in this area over the past few years. **Therefore, it is requested that further work be conducted in this spill area to remove/lower the contaminated solution.**

It should be pointed out that the extra effort (time/money) to monitor and to clean up these two spills is considerably less than what might occur if any contaminated solution enters waters.

Darren also made a comment that Royal Oak has had a considerable number of spills (at both Giant and Colomac) in the last few months and that DIAND is starting to get pressure from certain parties to take action on them.

Please ensure that the further remedial action is undertaken in regards to the two spills in question, your assistance in this matter would be appreciated.


Erik Madsen



Northwest
Territories

N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

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24-Hour Report Line

24-ᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ

Phone/ᑎᓄᓐ (403) 920-8130

Fax/ᑎᓄᓐ (403) 873-6924

A Report date and time ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ		B Date and time of spill (if known) ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ		C <input checked="" type="checkbox"/> Original report <input type="checkbox"/> Update no. _____ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ		Spill number ᑎᓄᓐ ᑎᓄᓐ
FEB. 10/96 12:45 AM		FEB. 10/96 10:00 A.M.				
D Location and map coordinates (if known) and direction (if moving) ᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ						
SEEPAGE FROM 22 B DAM						
E Party responsible for spill ᑎᓄᓐ ᑎᓄᓐ						
ROYAL OAK GIANT MINE						
F Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ						
10 m³ - 15 m³ DAM SEEPAGE						
G Cause of spill ᑎᓄᓐ ᑎᓄᓐ						
EXTREME COLD WEATHER CAUSED SOME GLACIATING UNDER THE SNOW. MILD DAY (SAT.) DAM SEEPAGE FLOWED AWAY FROM THE CATCH BASIN TOWARDS V LAKE ROAD.						
H Is spill terminated? ᑎᓄᓐ ᑎᓄᓐ		I If spill is continuing, give estimated rate ᑎᓄᓐ ᑎᓄᓐ		J Is further spillage possible? ᑎᓄᓐ ᑎᓄᓐ		K Extent of contaminated area (in square metres if possible) ᑎᓄᓐ ᑎᓄᓐ
<input checked="" type="checkbox"/> yes/ᑎᓄᓐ <input type="checkbox"/> no/ᑎᓄᓐ				<input type="checkbox"/> yes/ᑎᓄᓐ <input checked="" type="checkbox"/> no/ᑎᓄᓐ		10 m² - 15 m²
L Factors affecting spill or recovery (weather conditions, terrain, snow cover, etc.) ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ				M Containment (natural depression, dykes, etc.) ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ		
NONE				NATURAL SWAMP POND		
N Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ						
A LOADER DUG UP THE SEEPAGE / ICE AND DUMPED THE MATERIAL NEAR 22 CATCH BASIN. A CONTRACTOR WAS HIRED TO DIG UP THE GLACIER AND CLEAN OUT THE DRAINAGE DITCH WHICH FLOWS TO # 22 CATCH BASIN						
O Do you require assistance? ᑎᓄᓐ ᑎᓄᓐ				P Possible hazards to persons, property, or environment; eg: fire, drinking water, fish or wildlife ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ		
<input checked="" type="checkbox"/> no <input type="checkbox"/> yes, describe: ᑎᓄᓐ ᑎᓄᓐ				NONE		
Q Comments and/or recommendations ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ						FOR SPILL LINE USE ONLY ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ
THE CONTRACTOR WILL START TODAY WITH A BACK HOE TO CLEAN OUT THE DRAINAGE DITCH.						Lead Agency ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ
						Spill significance ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ
						Lead Agency contact and time ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ
						Is this file now closed? ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ
Reported by ᑎᓄᓐ ᑎᓄᓐ		Position, Employer, Location ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ			Telephone ᑎᓄᓐ ᑎᓄᓐ	
12:45 AM		GENERAL MILL FOREMAN			669-3700	
Reported to ᑎᓄᓐ ᑎᓄᓐ		Position, Employer, Location ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ ᑎᓄᓐ			Telephone ᑎᓄᓐ ᑎᓄᓐ	
SHERI C.		ARTIC ALARM			403 920-8130	