WOLVERINE MINE

QUARTZ MINING LICENSE QML-0006

2010 ANNUAL REPORT

Prepared by:

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Vancouver, British Columbia

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1 Introduction

This Annual Report has been prepared to satisfy requirements contained within Quartz Mining License QML-0006 (QML) Condition 10.5 for activities that occurred during the period of January 1st to December 31st, 2010 at the Wolverine Mine.

Table 1-1 outlines the QML Annual Report documentation requirements and the corresponding report section where the information is provided herein. A Socio-Economic Assessment summary is provided in Section 9 of this report, to satisfy requirements of the Environmental Assessment Screening Document (issued September 20, 2006 by the Development Assessment Branch, Government of Yukon).

Table 1-1: QML Annual Report Information Requirements and Corresponding Report Section

QML Section	Requirement	Section
10.5 a)	A summary of mining activities at the mine.	2.3
10.5 b)	A map showing all structures, works and installations associated with the Undertaking.	2.1
10.5 c)	The total amount of ore and waste removed from the mine.	2.4
10.5 d)	The total amount and the average head grade of ore processed through the mill.	2.4
10.5 e)	The total amount and grade of all stockpiled ore.	2.4
10.5 f)	The total amount and grade of concentrate produced, stockpiled, and transported from the Undertaking.	2.4
10.5 g)	As-built drawings of the mine and of all structures, works and installations constructed or altered in the mine.	2.3
10.5 h)	Details respecting any action taken as a result of the recommendations made by the engineer in relation to the inspection referred to in paragraph 10.1.	3
10.5 i)	A summary of any updates to estimates of ore reserves and mine life, including reserve category, tonnage and grade.	2.4
10.5 j)	A summary of any underground stability incidents.	2.5
10.5 k)	A summary of paste backfill placement activities conducted and their locations in the mine.	2.6
10.5 l)	A summary of humidity cell tests undertaken for waste rock and paste backfill.	2.6
10.5 m)	A summary of quantity and related analysis of leachate collected from paste backfill.	2.6
10.5 n)	The total amount of tailings deposited in the tailings impoundment.	2.2
10.5 o)	An evaluation of the performance of the tailings facility, including an estimate of	2.2

QML Section	Requirement	Section
	remaining available storage capacity in the facility.	
10.5 p)	The data generated from the full depth sampling of the tailings.	2.2
10.5 q)	A summary of any hydrogeology studies undertaken and related analysis of these data, including groundwater flow pathways as influenced by underground workings.	4
10.5 r)	A summary and evaluation of data results from the field pilot test of the bio-pass system.	8.1
10.5 s)	A summary of surface water quality monitoring, including any acute lethality testing conducted.	5.1
10.5 t)	A summary of groundwater quality monitoring in wells downslope of the mine workings.	5.2
10.5 u)	A summary of the programs undertaken for environmental monitoring and surveillance as outlined in the Monitoring and Surveillance Plan and the Wildlife Protection Plan, including an analysis of these data and any action taken or adaptive management strategies implemented to monitor or address any changes in environmental performance.	5
10.5 v)	A summary of progressive and ongoing reclamation activities.	8
10.5 w)	A summary of proposed development and production for the coming year.	10
10.5 x)	A summary of activities related to care and maintenance of the Undertaking, including any temporary closure activities, if applicable.	8
10.5 y)	A summary of spills and accidents that occurred as a result of the Undertaking.	6
10.5 z)	A summary of the previous and projected use of the access road, including maintenance work conducted, a summary of the level of traffic, access control issues, wildlife incidents and other accidents, and upgrade or maintenance work planned for the upcoming year.	7

1.1 Quartz Mining License Requirements

All major and minor permits are in place for the Wolverine Mine, with all infrastructure located on YZC mineral claims. All QML requirements pertaining to monitoring and reporting were achieved in 2010, and the submissions to Yukon Energy, Mines and Resources (EMR) are summarized in Table 1-2. All plans and reports submitted to EMR are available on the EMR website: http://www.emr.gov.yk.ca/mining/wolverine.html.

Table 1-2: QML Submissions in 2010

Submission	Date Submitted
2009 Annual Report for QML-0006	19-Mar-10
Reclamation and Closure Plan V2009-03	15-Apr-10
Wildlife Protection Plan Annual Report	16-Apr-10
Notification of Milling	29-Apr-10
Mill Operating Plan V2010-02	25-May-10
Tailings Facility Starter Dam As-Constructed Report (Klohn Crippen Berger)	31-May-10
Monitoring and Surveillance Plan V2010-02	31-May-10
Mine Development and Operating Plan V 2010-02	8-Aug-10
EBA Engineering Consultants 2010 Annual Inspections of the On-Site Earth Structures	4-Aug-10
Klohn Crippen Berger Wolverine Tailings Facility Annual Tailings Facility Physical Inspection	4-Aug-10
Tailings Facility Operation, Maintenance +Surveillance Manual V2010-01	11-Aug-10
General Site Plan Addendum for Airstrip Emergency Stopway Extension	22-Aug-10
Mine Development Plan V2010-02 Section 5 Addendum	29-Dec-10
Rockland Ltd. Inspection Report For Quartz Mining License - Underground Geotechnical Inspection	04-Jan-11

2 2010 Mine Activities

Mine activities in 2010 focused on the completion of surface construction by mid 2010 for commissioning of the mill in late 2010, and continued underground development.

2.1 Mine Development – Surface Infrastructure

Figure 2-1 provides the location of major surface infrastructure at the industrial complex area, airstrip and tailings facility in 2010. A report entitled *Wolverine Project Industrial Complex As-Constructed Report and Drawings* will be submitted under QML-0006 and Type A Water Use Licence QZ04-065 by Q2 2011. This report will include as-constructed details for the following:

- Mine support surface infrastructure (see Picture 2-1);
- Power generation and fuel storage (see Picture 2-3);
- Mill and associated infrastructure (see Picture 2-2);
- Camp and supporting infrastructure; and
- Airstrip.

The infrastructure constructed at the tailings storage facility (see Picture 2-4) was summarized in the *Starter Tailings Storage Facility -2009 Civil Works Construction Summary Report* (Klohn Crippen Berger) submitted to EMR on May 31, 2010.

Picture 2-1: Overview of industrial complex area including camp, mill, concentrate load-out (CLO), crusher buildings, as well as power generator area and fuel storage areas.

Picture 2-2: Mill building, cement silo and conveyor.

Picture 2-3: Power generation area and fuel storage.

2.2 Tailings Facility Activities

The total amount of tailings deposited into the tailings impoundment in 2010 was 33,839 tonnes, comprised of 10,378 tonnes of waste and 23,461 tonnes of ore.

The tailings facility has performed as planned and as of December 10, 2010, was surveyed to contain 173,320 m^3. As the starter impoundment has a capacity of 665,127 m^3, the available volume remaining is 74%.

A full depth sampling of the tailings was not conducted for the purpose of determining tailings chemistry as the facility only contained tailings generated during the commissioning phase and stockpiled ore and waste rock is therefore not yet representative.

Picture 2-4: Tailings storage facility and mine access road.

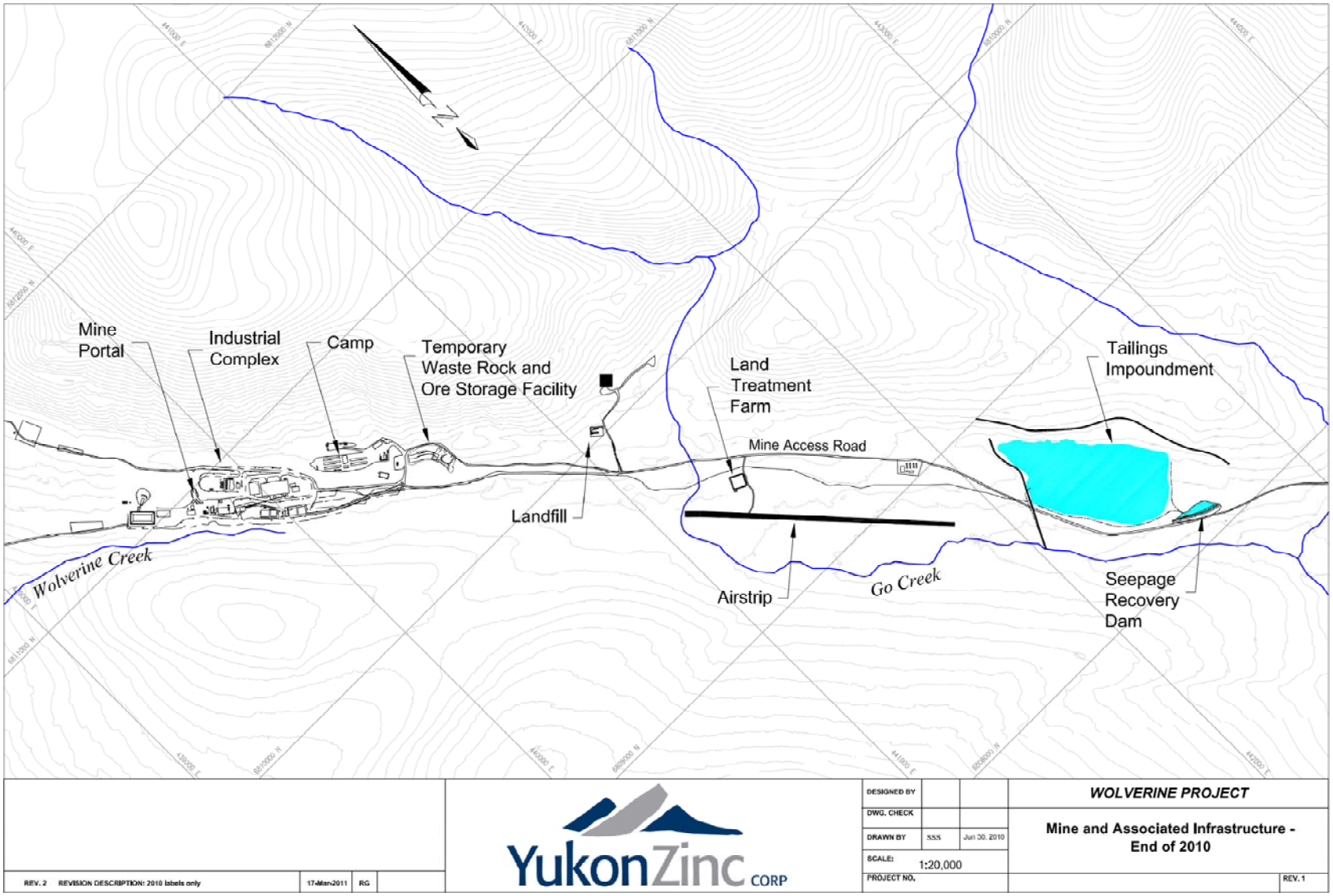


Figure 2-1: Wolverine Mine Surface Infrastructure and Roads at End of 2010

2.3 Underground Mine

The two primary objectives of underground development were to:

1. Excavate the main access ramp and develop a ventilation circuit through a series of fresh air raises (FAR). The ramp was developed to the 1213 stope access (SA) elevation and included an installation of an electrical substation (from 1230 SA to 1220 SA). The fresh air raise system in the Wolverine zone was completed to the 1210 SA. The Lynx zone fresh air raise / secondary egress system was developed to the 1240 SA, where a permanent 40 man mine refuge station was constructed.
2. Develop footwall drifts in both the Wolverine and Lynx ore zones. These drifts allowed geologist to analyze structures and correlate them to the current ore model as well as help anticipate situations which may be encountered during the mining cycle. Three stope footwall drifts (1270 SA, 1250 SA and 1220 SA) were completed almost to the ore extent, and two drifts (1260 SA and 1240 SA) were developed close to the beginning of the ore zone.

Picture 2-5: Applying shotcrete during mine rehabilitation.

Picture 2-6: Fan raise for the ventilation of the underground mine.

Road bed material for underground was sourced at km 19 of the access road via drilling, blasting and crushing.

The following drawings to illustrate the development completed in 2010 are provided below:

- Figure 2-2: Underground workings including stope accesses and fresh ventilation systems in the Lynx and Wolverine deposits;
- Figure 2-3: Mine refuge station at Lynx 1240 SA (another station will be established at 1160 SA once 69% of total planned development has been achieved).
- Figure 2-4: Ventilation raise system plan and section drawings.

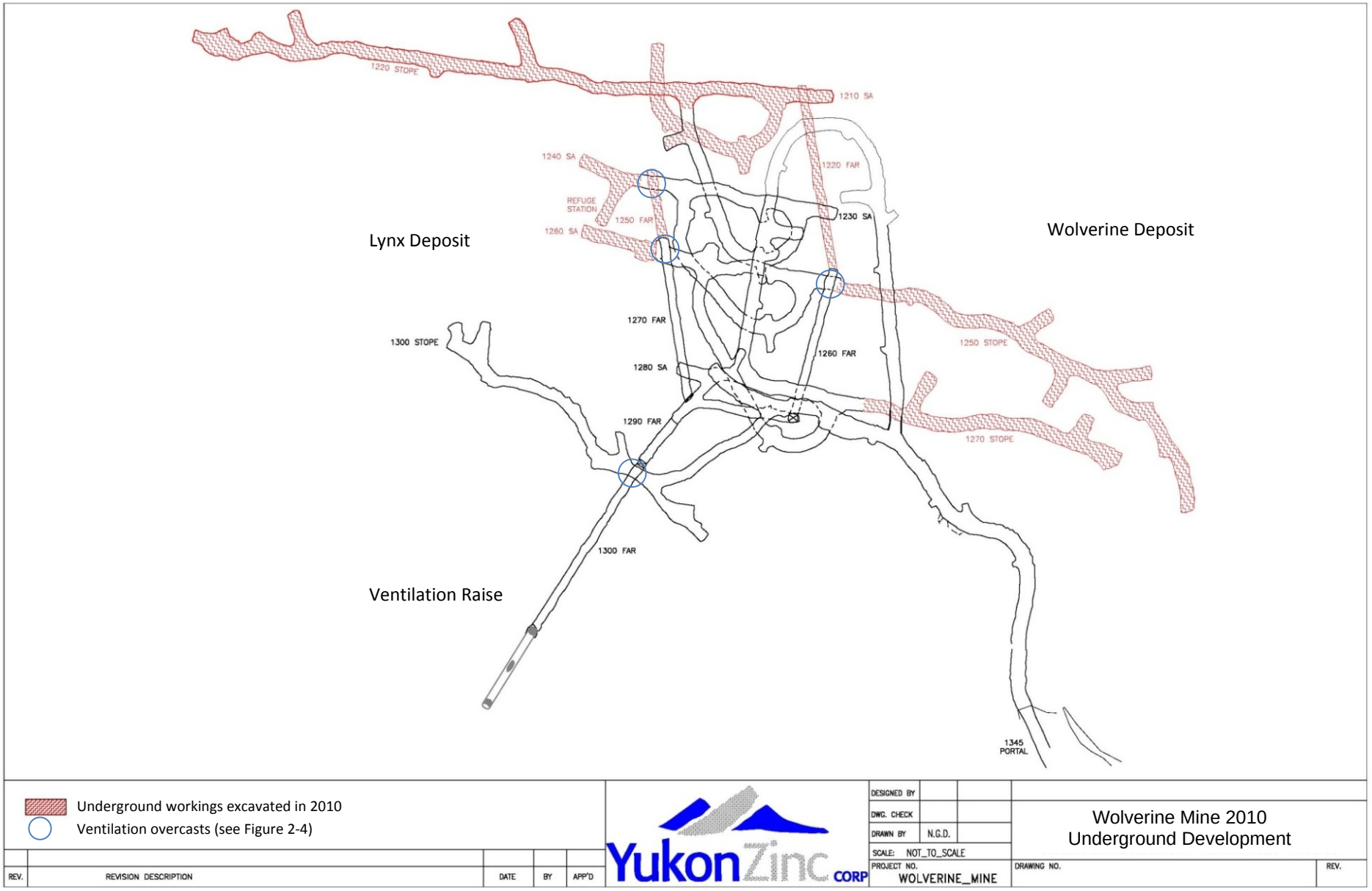


Figure 2-2: Overall 2010 Underground Development

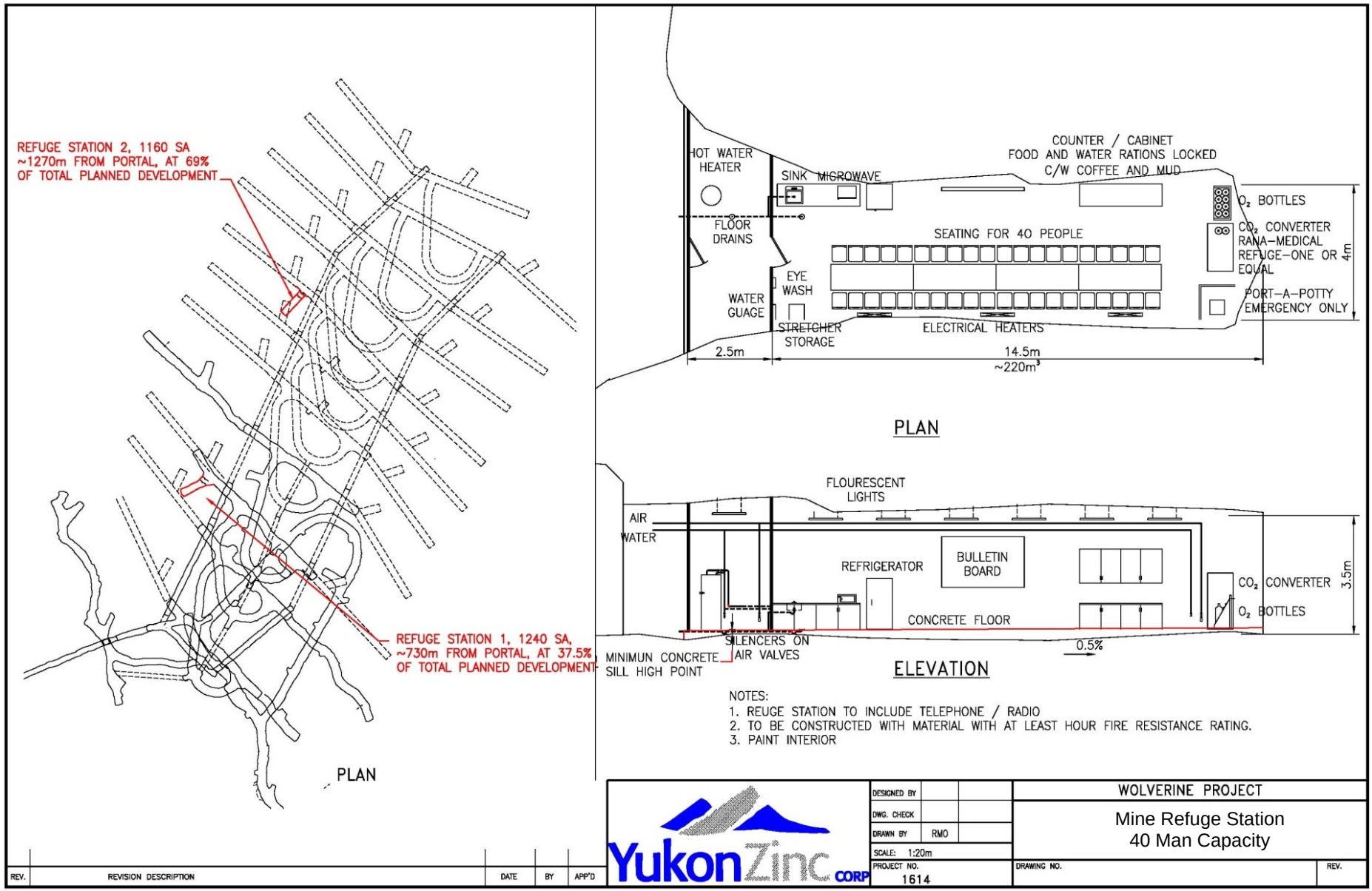


Figure 2-3: Underground Mine Refuge Station

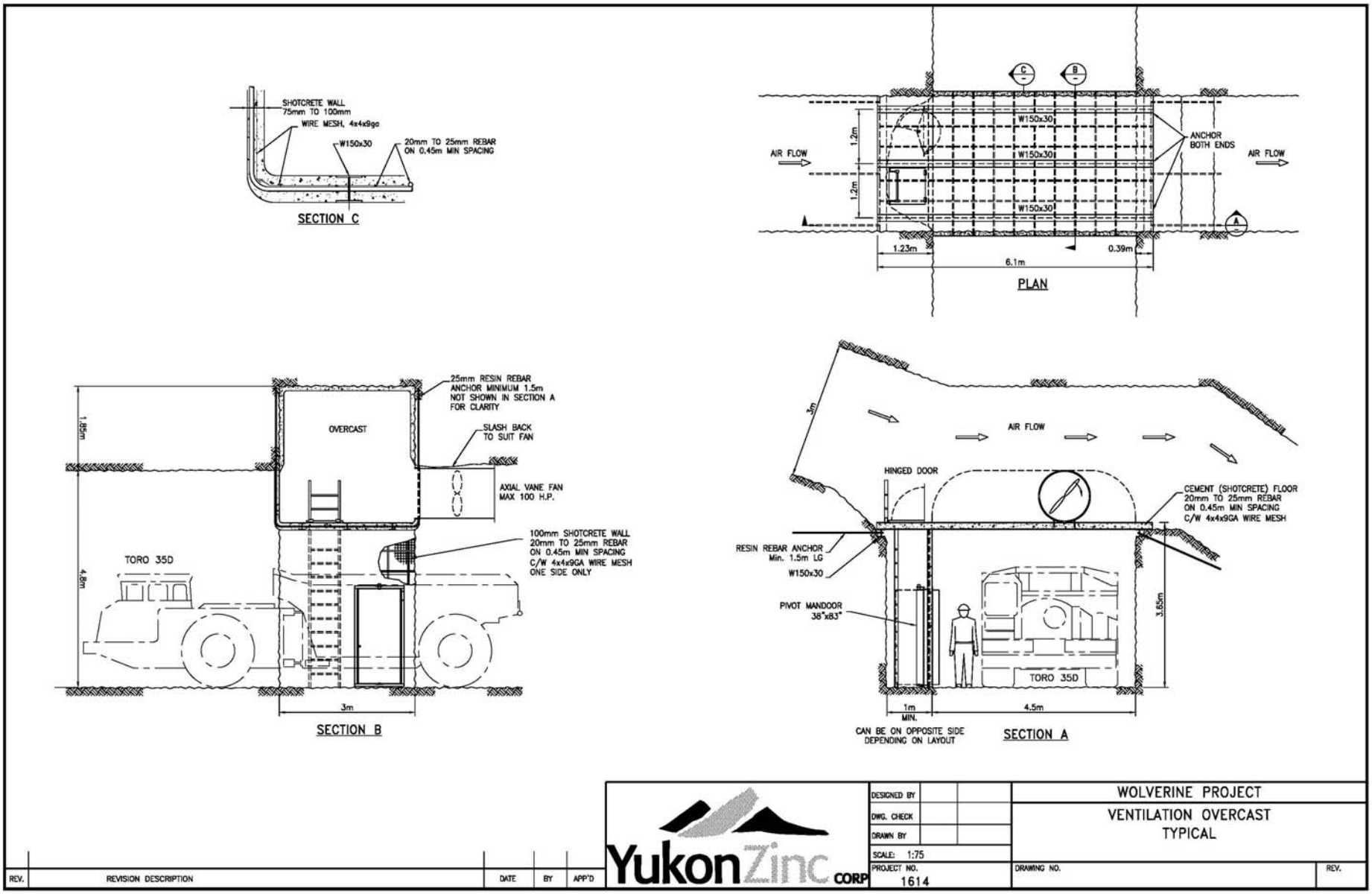


Figure 2-4: Plan View and Sections Through Typical Ventilation Overcasts

2.4 Updates to Estimates of Ore Reserves and Mine Life

An update was not determined for the ore reserve or mine life in 2010.

2.5 Underground Stability Incidents

There were two stability incidents in 2010.

1. On March 12th, a ground failure occurred at the floor level on the footwall side of the stope at 1260 SA. It was determined that the ground was unravelling behind the shotcrete and remedial action was immediately undertaken.
2. On April 25th, two mechanics and an equipment operator were performing routine maintenance on a rock bolting machine, when the side wall gave way at the working face of the foot wall drift at 1220 SA. One of the mechanics was fatally injured while the other received minor injuries. The operator was not hurt. All underground development ceased and a geotechnical engineer was contracted to review the underground support requirements (see Section 3.3). All areas in the mine were inspected and by year-end, the mine was rehabilitated to requirements accepted by Yukon Workers Compensation, Health and Safety Board.

2.6 Paste Backfill

Paste backfill was not placed in the mine in 2010, and hence paste backfill placement activities and their respective locations are not summarized herein, nor were leachate collection activities undertaken in 2010. Details of humidity cell tests conducted for paste backfill analysis are provided in the *Wolverine Mine Monitoring and Surveillance Plan 2010 Annual Report*.

2.7 Mill Operations

The total amount of waste and ore removed from the mine in 2010 was 10,528 tonnes and 26, 826 tonnes, respectively. Ore removed from the mine was processed through the mill and the average head grade was:

- 6.57% Zn;
- 0.70% Cu;
- 0.90% Pb;
- 15.79% Fe; and
- 284 g/t Ag.

The total amount and grade of concentrate produced, stockpiled, and transported from the Wolverine Mine is summarized in Table 2-1.

Table 2-1: Total Amount and Grade of Concentrate Produced, Stockpiled and Transported by End of 2010

Concentrate	Cu (%)	Pb (%)	Zn (%)	Ag (g/t)	Dry Milled Tonnes		
					Produced	Stockpiled	Transported
Cu	16.30	3.39	5.64	3805	434	434	0
Pb	5.03	16.40	11.43	3550	426	0	426
Zn	1.64	2.71	38.03	690.1	2506	0	2506

Details of humidity cell tests conducted for mine waste rock and ore analysis are provided in the *Wolverine Mine Monitoring and Surveillance Plan 2010 Annual Report*.

3 Annual Engineering Inspections

Three engineering inspections occurred in 2010 and subsequent reports were submitted to EMR within 45 days of the inspections being completed. The inspections and respective reports are as follows:

- EBA Engineering Consultants conducted an inspection of the structures at and around the industrial complex on June 19-21, 2010 and the report was submitted on August 4, 2010;
- Klohn Crippen Berger conducted an inspection of the tailings stoage facility on June 28, 2010 and the report and the report was submitted on August 4, 2010; and
- Rockland Ltd. conducted an inspection of the underground mine on December 13, 2010 and the report was submitted on January 4, 2011.

The results of these inspections are summarized below, as are the actions taken to date by YZC.

3.1 Mill and Associated Infrastructure Inspection

The EBA inspection of structures associated with the mill (excluding the tailings storage facility) included a visual inspection of the following structures:

1. Industrial complex – cut and fill slopes.
2. Industrial complex surface and underground water treatment sumps (1, 2, 3, 4 and 5) -liners and slopes.
3. Industrial complex diversion ditch 1 – cut and fill slopes.
4. Industrial complex collection ditches (2, 3, 4 and 5) – liners, cut and fill slopes.
5. Camp pad area including upper generator and water treatment pad, sewage treatment plant pad, and treated effluent pond – liner, cut and fill slopes.
6. Temporary waste rock and ore storage facility including seepage collection sump and stockpiles, and cut and fill slopes.
7. Land treatment facility (contains hydrocarbon contaminated material) including runoff collection sump – liners and fill slopes.
8. Vent raise and propane tank pad – cut slopes.

Table 3-1 summarizes the recommendations in the report with the corresponding actions taken by YZC in 2010. EBA noted observations and concluded that the onsite earthen structures posed no significant risk to the environment or human health and safety.

Table 3-1: 2010 Mill Associated Infrastructure Inspection Recommendations and Actions Taken

Structure	Recommendation	YZC Completed Actions
Industrial complex Upper mill pad	Noticeable erosion channels along the south western side of the mill fill created during spring melt. Erosion channels should be filled in with coarse grained material until proper perimeter berms can be completed to divert surface runoff towards drainage ditches.	YZC completed installation of geotextile within eroded channels and placement of cobble to anchor in place. Monitored regularly and no further erosion observed.
Industrial complex surface and underground water treatment sumps (1, 2 & 3)	Sumps 1, 2 & 3: Noticeable settlement of the backfill along the perimeter lined key trenches and buried propane lines indicating that backfill material was not compacted during placement. Repairs should be carried out as soon as possible. Sump 1: Bubble in the liner caused by a high water table. This should be monitored for an increase in the size of the bubble.	Monitored regularly. No additional settlement observed. Poses no risk to the environment. No further lifting of the liner (due to high water table)
Collection Ditches 3 & 4	Ditch 3: A lot of sediment had collected in the bottom of the ditch. Also, tension cracks had appeared along the upper portion of the outer slope. The tension cracks should be filled to reduce water infiltration. Ditch 4: Many small tears along both sides of the ditch cause by snow removal prior to spring run-off. The side slopes require repair. A large tension crack is visible on the western side of the ditch. Additional repair work should be conducted to fill in the depression. Other erosion channels and tension cracks should also be filled in.	Tears in liner along both ditches identified. Monitored regularly, but water level below compromised liner. Sediment to be removed before freshet in spring 2011. Roads running parallel to the ditches have been graded to minimize movement of fines into ditches with precipitation events.
Camp pad area including upper generator and water treatment pad, sewage treatment plant pad and treated effluent pond	Noticeable tension cracks along the perimeter of the fill slope of the camp, upper generator and water treatment pads. These areas should be monitored and repaired as required.	Monitored regularly. No changes since inspection date.

3.2 Tailings Storage Facility Inspection

A visual inspection of the tailings storage facility was conducted by Klohn Crippen Berger produced no significant observations that would suggest any concerns with the stability of the facility or its ability to store tailings as per the design. General recommendations summarized previously known to YZC are as follows:

1. Complete the 2010 construction works and installation of monitoring instrumentation.

2. Continue to operate the facility as described in the Operation, Maintenance and Surveillance Manual (OM&S Manual).
3. Observe the performance of Ditch B during high rainfall events and spring freshet to check if water reports to the impoundment or remains subsurface. If water emerges upslope above the impoundment liner, and flows into the impoundment, an estimate of the water flow rate should be made.
4. The settlement cracks along the perimeter road on the east side of the impoundment should be observed monthly to see if there are any changes.
5. Continue monitoring the spring near the toe of the dam on the south end to confirm that it is not significant.

Subsequent to receipt of the inspection report, YZC completed the 2010 construction works (emergency spillway and installation of instrumentation), is operating the facility as per the OM&S Manual and is monitoring the facility weekly and monthly. Ditch B will be monitored during high rainfall events and during freshet, as will the spring near the toe of the dam.

3.3 Underground Mine Inspection

An inspection of the geotechnical aspects of the Wolverine underground mine was conducted by Rockland Ltd. Guidelines and recommendations contained within the report continue to be followed for underground mine development activities.

4 Hydrogeology Studies

Hydrological flow rates in the underground workings were monitored throughout 2010. Recharge rates were calculated using a flow meter on the discharge pipe and the average daily inflow was 257 m^3/day (monthly averages are shown in Figure 4-1). Recharge rates ranged from 162 m^3/day (January 2010) to 346 m^3/day (July 2010) and indicate seasonal variations consistent with previous years.

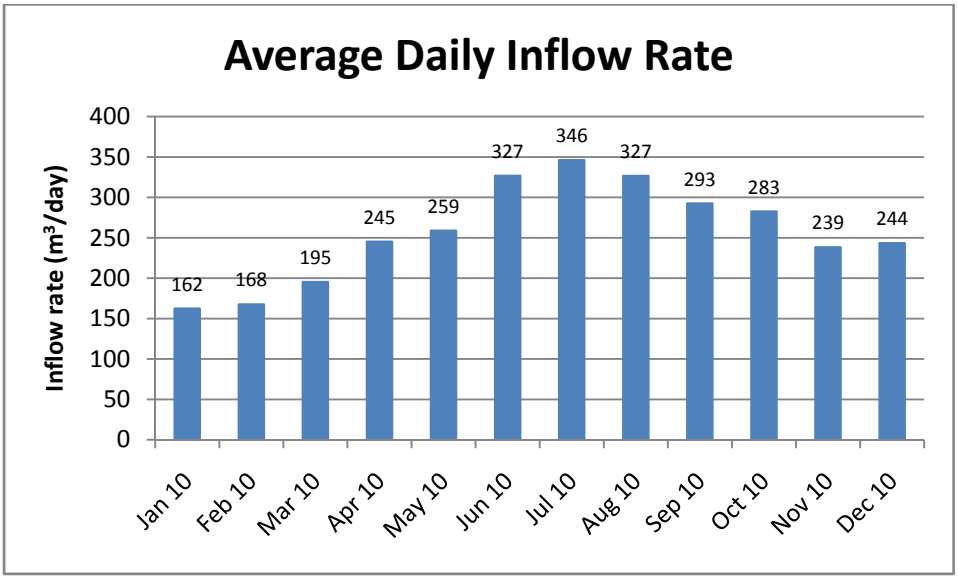


Figure 4-1: 2010 Daily Average Underground Recharge Rates

5 Environmental Monitoring and Surveillance

As per annual report requirements, summaries are provided below for:

- Surface water quality monitoring and acute lethality testing
- Groundwater quality monitoring in wells downslope of the mine workings

In addition, Section 5.3 provides information on construction monitoring. Specific information can be on wildlife monitoring in the *Wolverine Project Wildlife Protection Plan 2010 Annual Report,* and on environmental monitoring and surveillance in the *Monitoring and Surveillance Plan 2010 Annual Report*.

5.1 Surface Water Quality Monitoring and Acute Lethality Testing

Surface water quality monitoring for the purposes of baseline monitoring (as per A Licence QZ04-065 (Yukon Water Board, 2007)) was taken at the locations and dates summarized in Table 5-1. A total of 197 sample sets were analyzed for physical parameters, TSS, dissolved and total metals (by ICP-MS) and mercury (by CVAS), as well as cyanide and dissolved organic carbon for select sampling sites (W16 & W31).

Because all underground water was sent, untreated, to the tailings storage facility in 2010, there were no discharges to the environment, and thus no acute lethality testing conducted in 2010.

Table 5-1: Surface Water Monitoring Sites and Sampling Frequency

Sampling Site	January	February	March	April	May	June	July	August	September	October	November	December
T1	n/a	n/a	n/a	n/a	n/a	n/a	19-Jul	30-Aug	6-Sep	30-Oct	20-Nov	22-Dec
L1	15-Jan	5-Feb	27-Mar	A	A	25-Jun	9-Jul	2-Aug	7-Sep	3-Oct	24-Nov	17-Dec
W1	18-Jan	5-Feb	27-Mar	A	A	A	9-Jul	2-Aug	7-Sep	3-Oct	A	17-Dec
W8	15-Jan	5-Feb	D	A	23-May	25-Jun	3-Jul	26-Aug	7-Sep	10-Oct	21-Nov	18-Dec
W9	15-Jan	5-Feb	D	A	23-May	14-Jun	3-Jul	26-Aug	7-Sep	10-Oct	21-Nov	18-Dec
W12	21-Jan	21-Feb	A	17-Apr	18-May	6-Jun	14-Jul	22-Aug	11-Sep	2-Oct	9-Nov	A
W14	21-Jan	21-Feb	A	17-Apr	18-May	6-Jun	14-Jul	22-Aug	11-Sep	2-Oct	9-Nov	A
W15	29-Jan	19-Feb	19-Mar	A	15-May	7-Jun	28-Jul	21-Aug	11-Sep	22-Oct	23-Nov	29-Dec
W16	29-Jan	19-Feb	19-Mar	A	9-May	7-Jun	28-Jul	27-Aug	4-Sep	30-Oct	26-Nov	26-Dec
W21	31-Jan	7-Feb	20-Mar	16-Apr	15-May	5-Jun	9-Jul	9-Aug	8-Sep	1-Oct	5-Nov	9-Dec
W22	31-Jan	7-Feb	20-Mar	16-Apr	15-May	5-Jun	9-Jul	9-Aug	8-Sep	1-Oct	5-Nov	5-Dec
W31	D	D	D	22-Apr	17-May	15-Jun	28-Jul	20-Aug	9-Sep	20-Oct	20-Nov	D
W40	31-Jan	7-Feb	20-Mar	16-Apr	15-May	5-Jun	9-Jul	9-Aug	6-Sep	1-Oct	5-Nov	5-Dec
W71	28-Jan	7-Feb	20-Mar	18-Apr	8-May	5-Jun	9-Jul	24-Aug	6-Sep	1-Oct	6-Nov	5-Dec
W72	28-Jan	7-Feb	20-Mar	18-Apr	8-May	5-Jun	9-Jul	24-Aug	6-Sep	1-Oct	6-Nov	5-Dec
W73	28-Jan	7-Feb	20-Mar	18-Apr	8-May	5-Jun	9-Jul	24-Aug	6-Sep	1-Oct	6-Nov	24-Dec
W80	22-Jan	25-Feb	A	17-Apr	18-May	6-Jun	14-Jul	A	4-Sep	2-Oct	9-Nov	A
W81	22-Jan	25-Feb	19-Mar	A	15-May	6-Jun	28-Jul	21-Aug	4-Sep	22-Oct	23-Nov	29-Dec
W82	30-Jan	20-Feb	25-Mar	10-Apr	23-May	4-Jun	1-Jul	27-Aug	10-Sep	10-Oct	29-Nov	D

n/a = the pump barge was not installed at site T1 in the tailings storage facility, hence it was not possible to safely sample at that site until the barge was installed in July, 2011

A = Site not sampled due to lack of safe access

D = Site dry (i.e., all water tied up in storage, and/or subsurface water table low) or frozen through

5.2 Groundwater Quality Monitoring

Groundwater wells downslope of the mine workings were sampled quarterly in 2011 as required by A Licence QZ04-065 and sampling is summarized in Table 5-3.

Table 5-2: Groundwater Monitoring Sites and Sampling Frequency

Monitoring Station	March	June	September	December
MW05-3A	F	20-Jun	29-Sep	F
MW05-3B	F	20-Jun	29-Sep	13-Dec
MW05-5A	11-Mar	20-Jun	29-Sep	14-Dec
MW05-5B	F	20-Jun	29-Sep	F
MW06-11S	F	30-Jun	29-Sep	F

F = frozen well/no flow

5.3 Environmental Monitoring for Construction Activities

Environmental monitoring reports for all construction activities were prepared by the YZC Environmental Department during the construction phase. Table 5-3 summarizes the Environmental Monitoring Reports prepared (detailed reports provided in Appendix A), including the area monitored, the monitoring period and the date of the monitoring report.

Table 5-3: 2010 Summary of Completed Environmental Monitoring Reports by Area

Monitoring Period				Monitoring Period			
Site	From	To	Report Date	Site	From	To	Report Date
Access Road				**Industrial Complex**			
		23-Feb-10	23-Feb-10	Ditch 3	13-Apr-10	26-Apr-10	26-Apr-10
	02-Mar-10	15-Mar-10	15-Mar-10			09-Jun-10	22-Jun-10
	16-Mar-10	27-Mar-10	29-Mar-10	Ditch 4	13-Apr-10	26-Apr-10	26-Apr-10
		03-Apr-10	03-Apr-10		11-May-10	25-May-10	25-May-10
	04-Apr-10	14-Apr-10	27-Apr-10	**Landfill**			
	27-Apr-10	10-May-10	11-May-10		12-Jan-10	19-Jan-10	19-Jan-10
	11-May-10	24-May-10	25-May-10		20-Jan-10	27-Jan-10	27-Jan-10
	24-May-10	07-Jun-10	07-Jun-10		02-Feb-10	15-Feb-10	15-Feb-10
	23-Jun-10	04-Jul-10	05-Jul-10		16-Feb-10	01-Mar-10	01-Mar-10
	05-Jul-10	19-Jul-10	20-Jul-10		02-Mar-10	15-Mar-10	15-Mar-10
	20-Jul-10	02-Aug-10	02-Aug-10		16-Mar-10	29-Mar-10	29-Mar-10
	03-Aug-10	16-Aug-10	16-Aug-10		30-Mar-10	12-Apr-10	12-Apr-10
		09-Sep-10	13-Sep-10		13-Apr-10	26-Apr-10	26-Apr-10
	21-Sep-10	04-Oct-10	04-Oct-10		27-Apr-10	10-May-10	11-May-10
	05-Oct-10	19-Oct-10	19-Oct-10		11-May-10	24-May-10	25-May-10
Access Road - Creek Monitoring					25-May-10	07-Jun-10	07-Jun-10
	01-Mar-10	08-Mar-10	15-Mar-10		08-Jun-10	21-Jun-10	22-Jun-10
		16-Mar-10	29-Mar-10		22-Jun-10	05-Jul-10	05-Jul-10
		03-Apr-10	03-Apr-10		06-Jul-10	19-Jul-10	20-Jul-10
		23-Apr-10	26-Apr-10		20-Jul-10	02-Aug-10	02-Aug-10
	08-May-10	10-May-10	11-May-10			28-Sep-10	28-Sep-10
		24-May-10	25-May-10	**Tailings Pipeline**			
	26-May-10	07-Jun-10	07-Jun-10		13-Apr-10	26-Apr-10	26-Apr-10
		13-Jun-10	13-Jun-10		09-Jun-10	11-Jun-10	22-Jun-10
Airstrip Extension				**Tailings**			
	01-Sep-10	21-Sep-10	21-Sep-10		20-Jul-10	02-Aug-10	02-Aug-02
Industrial Complex				**Temporary Arctic Camp**			
Ind. Complex	19-Jan-10	27-Jan-10	27-Jan-10			26-Jan-10	28-Jan-10
	02-Feb-10	15-Feb-10	15-Feb-10		02-Feb-10	15-Feb-10	15-Feb-10
	15-Feb-10	01-Mar-10	01-Mar-10			30-Sep-10	30-Sep-10
	03-Mar-10	15-Mar-10	15-Mar-10	**Temporary Ore Pile**			
	16-Mar-10	29-Mar-10	29-Mar-10		11-Apr-10	17-Apr-10	17-Apr-10
	30-Mar-10	12-Apr-10	12-Apr-10		17-Apr-10	24-Apr-10	24-Apr-10
	13-Apr-10	26-Apr-10	27-Apr-10		05-May-10	09-May-10	09-May-10
	27-Apr-10	11-May-10	11-May-10		25-Jun-10	16-Jul-10	18-Jul-10
	25-May-10	07-Jun-10	07-Jun-10	**Powerline**			
	08-Jun-10	21-Jun-10	21-Jun-10		25-Feb-10	02-Mar-10	02-Mar-10
	22-Jun-10	05-Jul-10	05-Jul-10		02-Mar-10	15-Mar-10	15-Mar-10
	06-Jul-10	19-Jul-10	20-Jul-10		16-Mar-10	27-Mar-10	29-Mar-10
	20-Jul-10	02-Aug-10	02-Aug-10		13-Apr-10	27-Apr-10	27-Apr-10
	03-Aug-10	16-Aug-10	16-Aug-10	**Waste Rock Pad**			
	26-Sep-10	30-Sep-10	30-Sep-10			23-Apr-10	23-Apr-10
	05-Oct-10	19-Oct-10	19-Oct-10		27-Apr-11	11-May-10	11-May-10
					26-May-10	07-Jun-10	07-Jun-10

6 Environmental Incidents

There were four reportable spills (defined by the *Yukon Spills Regulations* as "a release of a hazardous substance to the environment in quantities above the spill reporting thresholds, or any amount of spill onto a watercourse" and one unauthorized discharge in 2010, (Table 6-1). Spills were immediately reported and full spill reports were submitted to EMR within 10 days of their respective occurrences. Follow up reports were submitted upon receipt of laboratory results.

Table 6-1: Environmental Incidents in 2010

Date	Volume and Substance	Party Responsible	Cause	Reporting and Follow-up Actions
06-Jan-10	~600-800 L of diesel	Procon	Overfilling of a full tank via generator return line (which should have been connected to the adjacent tank)	Initial Report: 15-Jan-10 Follow-up Report: 19-Feb-10
11-Mar-10	~550 L of glycol	Gisborne	Fork-lift punctured glycol tote during transportation	Initial Report: 12-Mar-10 Follow-up Report: 16-Mar-10
23-Oct-10	~7.2 m^3 of ethylene glycol	Yukon Zinc	Overfill of vent drain catchment tote	Initial Report: 27-Oct-10 Follow-up Report: 02-Nov-10 Final Report: 12-Nov-10 Further soil samples to be collected in spring for confirmation testing.
20-Nov-10	100 L Underground mine effluent water	Yukon Zinc	Back pressure at the transfer elbow resulting when pumping water between sumps	Initial Report: 20-Nov-10 Follow-up Report: 30-Nov-10 The line is currently not in use and will be replaced in the spring 2011.
10-Dec-10	700 L of diesel fuel	Yukon Zinc	Broken weld in boiler house fuel supply line	Initial Report: 13-Dec-10 Follow-up Report: 4-Jan-11 Soil samples will be sampled during spring for testing.

7 Access Road Operation

Access road activities outlined in the sections below include the 2010 use and projected 2011 use, maintenance work, access control, and road upgrade or maintenance activities.

7.1 2010 and Projected 2011 Use

In 2010, all freight and service vehicles entering and exiting site were recorded by site security and are summarized by month in Table 7-1. The total annual access road usage for 2010 was 4100 vehicles and characterized as follows:

- 2593 freight truck deliveries to supply materials for construction purposes;
- 98 concentrate trucks;
- 1409 light vehicles; and

Table 7-1: 2010 Access Road Vehicle Usage

Month	Vehicle Traffic
January	475
February	508
March	476
April	446
May	317
June	431
July	440
August	342
September	133
October	185
November	181
December	166
Total	**4100**

In 2011, the number of concentrate haul trucks and service vehicles on the road is anticipated daily to average a total of 30.

7.2 2010 Work and Upgrades Conducted

Improvements to the access road included widening, raising and reducing grade, ditching and drainage control, decreasing side slopes, straightening of dangerous corners, installation of berms, improvements to existing and additional pull out bays, surfacing and defining shoulders. Culverts and culvert extensions were installed and rip rap was placed at culvert entrances. All these works were completed by the end of October.

Upgrading of the access road also occurred on the southeast side of the tailings facility from km 24+800 to km 24+300. This was to ensure that the seepage dam was constructed to elevation 1286.5 m.

Widening of a bottle neck portion of the road from km 27 to km 26+900 was done to allow safe access to the fresh water well pump-house. Heat trace insulated freshwater lines were later installed on this route to the mill.

Sediment and erosion control was conducted throughout construction and included silt fence installation, geotextile installation, and temporary sump construction with controlled pumping.

7.3 Access Control Issues

There have been no issues with access control. There are two Wolverine Mine Access Control Gates at km 0.1 and km 0.49, to prevent public use of the access road. A radio-controlled automated gate opener was installed at the gate at km 0.1 in 2008 and is currently in use. The gate was manned 24 hours a day by site security until mid-2010; after which they conducted routine patrols along the access road during each shift. All vehicles entering and leaving the site are required to call security, via radio, to gain access/exit through the radio-controlled gate.

7.4 Projected Road Construction Activities

YZC will continue with road improvements for concentrate haul trucks and service vehicle use as needed in 2011.

7.5 Wildlife Incidents or Other Accidents

There were no wildlife incidents or other accidents on the access road in 2010.

8 Reclamation Activities

In 2010, the focus of activities was the completion of surface construction activities and improvements to the access road. All activities were completed within defined footprints and impacts minimized as necessary to lessen reclamation requirements. There were no activities related to care and maintenance or temporary closure in 2010. Progressive reclamation activities were completed during access road improvements, mainly including

1. Roadside slope stabilization and recontouring of slopes followed by placement of organic material and large wood debris.
2. In areas where permafrost was encountered, coconut mats were spread over the area for insulation and seeded.
3. Coconut matting was also used in roadside areas where there was minimal organics for seeding.
4. Old borrow pits were re-sloped in some areas and seeded.

Picture 8-1: Road widening to improve sight lines at corner; subsequent work would entail preading of windrowed material on fill slope-slope stabilization.

Picture 8-2: Slope stabilization long fill slope; organic material to be placed on slope after grading complete.

Picture 8-3: Organic material and woody debris placed along downslope area to promote natural revegetation.

Picture 8-4: Woody debris and organics placed in previous borrow/staging area.

Picture 8-5: Coconut matting and seeding at erodible area draining to a newly installed culvert.

Picture 8-6: Coconut matting, rip rap, and silt fence (temporary) at culvert inlet.

Picture 8-7: Grading of borrow pit and placement of organic material along road corridor.

8.1 Closure Trials

Bench scale test work for the bio-pass system was completed in 2010. The design of the field pilot test, will incorporate the results from this lab experiment. The design and installation of the field pilot test will occur during operations phase, as outlined in the *Wolverine Project Monitoring and Surveillance Plan V2010-02*.

9 Socio-Economic Assessment

The EA Screening Report requires that YZC report annually on the following:

- The number of Yukoners and non-Yukoners employed at the mine; and,
- The value of goods and services procured within Ross River, Watson Lake and the Yukon as a whole.

Over the course of the year, 240 Yukoners and 460 non-Yukoners were employed at the project site by YZC and numerous contracting companies. The main contractors included Procon Mining and Tunnelling Ltd.; ESS Compass Group Canada; and Arctic Construction Ltd.

The value of goods and services procured from Ross River, Watson Lake and the Yukon in 2010 is provided in Table 9-1. In addition to these Yukon Zinc expenditures, the Kaska First Nation communities (Ross River, Watson Lake and three in northern BC), who formed joint venture businesses with Arctic Construction Ltd., ESS Compass, Maple Leaf Loading, Procon Mining and Tunnelling, Tu Lidlini/Alberta Fuel Distributors, and Western Protection Alliance shared payments in 2010 estimated at $3.35 million.

Table 9-1: Goods and Services Procured from Ross River, Watson Lake and the Yukon for 2010

Location	Amount
Ross River	$65,000
Watson Lake	$157,400
Yukon	$16,150,700
Kaska Joint Venture Businesses	~$3,350,000

10 Project Development and Production for 2011

In 2011, stopes will continue to be developed for ore extraction. The projected amount of ore to be mined from underground workings is 358,800 tonnes (Table 10-1).

Table 10-1: Planned Total Ore to be Mined from Underground in 2011

Stope Level	Total Ore for 2011 (tonnes)
1300	43000
1280	38800
1270	39000
1260	24000
1250	32000
1240	24000
1230	36000
1220	33000
1210	35000
1200	19000
1190	15000
1180	12000
1170	8000
Total	**358800**

Projected concentrate production in 2011 is summarized in Table 10-2 for lead, copper and zinc concentrates.

Table 10-2: Concentrate Production Estimated for 2011

Variable	Dry Milled Tonnes
Copper Concentrate	10,662
Lead Concentrate	11,188
Zinc Concentrate	60,092
Total Concentrate Produced	**81,942**

Appendix A: Environmental Monitoring Reports

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: February 23rd , 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0-km 27
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Winter/spring weather, temperatures ranging from 5°C to -15°C. Note: Early warm weather changing road conditions daily.	
Part 2 – Site Assessment	
Activity: Maintaining road daily due to snow fall, melting, and ice build up. Ice removal at KM 7.5.	
Site Status: Winter/spring road conditions. Ice is building up on the sides of the road at ~ KM 2, 5 and 12. Melting is occurring from ~ KM 0-10 due to early warm weather.	
Assessed Risk: Low	
Photos Attached: Yes (10)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time, will need to steam some culverts in spring and install more culverts over the summer period.	
Mitigation Condition: fair	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: During Spring melt.	
Monitoring Frequency: Weekly	
Reporting Requirements: every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** February 23rd ,2010
	
Pitch Creek – up stream	Pitch Creek – down stream
	
Putt Creek – up stream	Putt Creek – down stream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** February 23rd ,2010
	
Km 7.5 ice build up removal	Km 7.5 ice build up removal
	
Bunker Creek – down stream	Bunker Creek – up stream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** February 23rd ,2010
	
Hawkowl Creek – down stream	Hawkowl Creek – up stream

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 2nd – 15th, 2010	Inspector(s): Jennie Gjertsen
Site Name: Access Road	Location/Co-ordinates: Wolverine access road - Km 0 to Km 32
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Unusually warm winter conditions. March daily temperature averages to date range from -10°C to 0°C.	
Part 2 – Site Assessment	
Activity: - Continual clearing of snow and road grading. - Maintenance of areas of ice floes	
Site Status: Ice floes are occurring at Kms: 1, 4+500, 7+500 and 12+500 Road remains in good repair	
Assessed Risk: Low	
Photos Attached: Yes (4)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time, will need to steam some culverts in spring and install more culverts over the summer period. Ongoing maintenance required.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas of ice and water accumulation. During runoff, monitor for sediment loading in ditches and drainages.	
Monitoring Frequency: Weekly and more frequently once runoff period starts	
Reporting Requirements: Environmental monitoring report every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** March 2nd – 15th, 2010
	
10/03/08 Km 1 ice floe (facing upchain (UC))	10/03/08 Km 4+500 ice floe (facing downchain (DC))
	
10/03/08 Km 7+500 ice floe (facing DC)	10/03/08 Km 12+500 ice floe (facing DC)

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 16th – 27th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road	Location/Co-ordinates: Wolverine access road - Km 0 to Km 32
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Unusually warm winter conditions. March daily temperature averages to date range from -10°C to 0°C. Periods of melt and then heavy snow fall.	
Part 2 – Site Assessment	
Activity: - Continual clearing of snow and road grading. - Maintenance of areas of ice floes - Weather cooled down March 23rd with some heavy snow fall and freezing road.	
Site Status: Ice floes are occurring at Kms: 1, 4+500, 7+500 and 12+500 Road remains in good repair Very wet slippery conditions during warmer weather, icy as weather cools.	
Assessed Risk: Low	
Photos Attached: Yes (6)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time, will need to steam some culverts in spring and install more culverts over the summer period. Ongoing maintenance required.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas of ice and water accumulation. During runoff, monitor for sediment loading in ditches and drainages.	
Monitoring Frequency: Weekly and more frequently once runoff period starts	
Reporting Requirements: Environmental monitoring report every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** March 16th – 27th, 2010
	
10/03/16 Km 1.5 ice build up has been removed to prevent further overflow.	**10/03/16** Km 4.5 ice built up. Ditching put in place to divert runoff.
	
10/03/16 Km 7.5 ice build up removed to prevent future flooding.	**10/03/16** Ditching in place, snow removal and grading to divert runoff due to snow melt.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** March 16th – 27th, 2010
	
10/03/27 Heavy snow fall and cooler temperatures over the last 2 weeks.	**10/03/27** Winter road conditions.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 3rd , 2010	Inspector(s): Jaymie Skidmore/Jennie Gjertsen
Site Name: Access Road	Location/Co-ordinates: Wolverine access road - Km 0 to Km 32
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Unusually warm winter conditions. April daily temperature averages to date range from -10°C to 0°C. Periods of melt and then heavy snow fall.	
Part 2 – Site Assessment	
Activity: - Continual clearing of snow and road grading. (road at this time is clear of snow and mainly mud) - Maintenance of areas of ice floes and mud - Warm weather causing melt and flooding in areas.	
Site Status: Ice floes are beginning to melt causing some flooding at Kms: 1, 4+500, 7+500 and 12+500 Road is not in very good condition due to melt Very wet and muddy conditions during warmer weather, icy as weather cools.	
Assessed Risk: Low	
Photos Attached: Yes (9)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time, will need to steam some culverts in spring and install more culverts over the summer period. Ongoing maintenance required.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas of ice and water accumulation. During runoff, monitor for sediment loading in ditches and drainages.	
Monitoring Frequency: Weekly and more frequently once runoff period starts	
Reporting Requirements: Environmental monitoring report every two weeks	

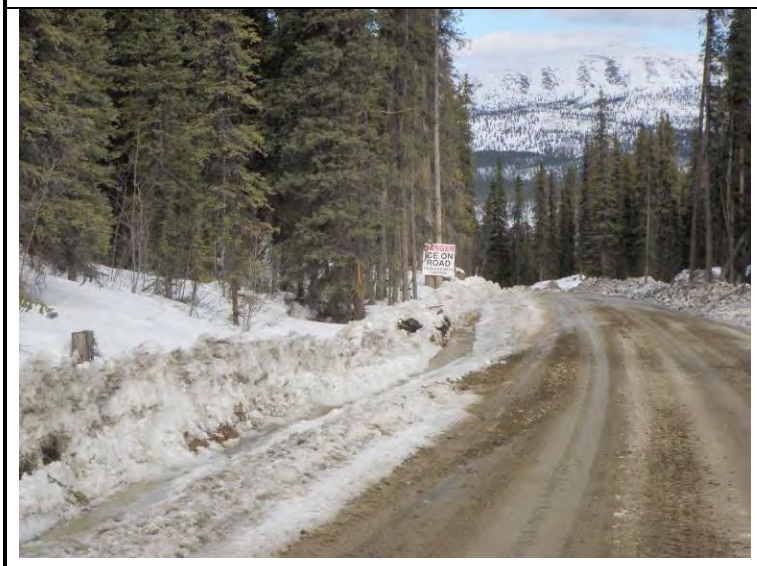
Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** April 3rd , 2010
	
10/04/03 Km 1+500 below road	**10/04/03 Km 1+500 above road**
	
10/04/03 km 4+800	**10/04/03 km 5+200**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** April 3rd , 2010
	
10/04/03 km 6+300	**10/04/03 km 7+500**
	
10/04/03 km 9+200	**10/04/03 km 10+100**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** April 3rd , 2010
	
10/04/03 km 12+500	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 14th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road	Location/Co-ordinates: Wolverine access road - Km 0 to Km 32
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Unusually warm winter conditions. April daily temperature averages to date range from -10°C to 0°C. Extended periods of melt and some heavy snow fall.	
Part 2 – Site Assessment	
Activity: - Continual clearing of snow and road grading. (road at this time is clear of snow and mainly mud) - Maintenance of areas of ice floes and mud by grading and clearing - Steaming all culverts and pipes began on April 14th	
Site Status: Ice floes continue to melt causing some flooding at Km's: 1, 4+500, 7+500 and 12+500 Road is not in poor condition due to melt, but not near sensitive areas Very wet and muddy conditions during warmer weather, icy as weather cools.	
Assessed Risk: Low	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue to steam culverts and install more culverts over the summer period. Ongoing maintenance required. Continue snow removal to reduce runoff in high traffic areas.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas of ice and water accumulation. Monitor for sediment loading in ditches and drainages.	
Monitoring Frequency: Weekly and more frequently as required	
Reporting Requirements: Environmental monitoring report every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** April 14th, 2010
	
10/04/14 km 1+500 ice build up melting	**10/04/14 km 2 flooding and some road erosion**
	
10/04/03 Km 10 steaming begun	**10/04/03 km 10 flooding**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** April 14th, 2010
	
10/04/14 km 12 flooding diverted	**10/04/14 Grading is ongoing daily**
	
10/04/14 km 16 snow clearing	**10/04/14 km 16 snow clearing**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 27th – May 10th, 2010	Inspector(s): Jennie Gjertsen and Robin McCall
Site Name: Access Road	Location/Co-ordinates: Wolverine access road - Km 0 to Km 32
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Spring weather conditions, daily temperature averages to date range from 0°C to 10°C. Periods of melting and freezing. Snow and rainfall.	
Part 2 – Site Assessment	
Activity: - Sediment and erosion control works (maintenance and repair of fencing, freeing of areas of standing water to prevent ruptures in banks) - K19 – equipment working to sort and source material for UG ramp roadbed. Drillers and blasters working in area	
Site Status: - Road is drying up significantly (requires watering down) - Seeing increased runoff from melting in vegetation	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: ABA sample taken at K19 on May 10th, 2010	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Assess as conditions change. Barrels at Km 0 of diesel (some of which are waste diesel) need to be hauled into site for proper storage and/or disposal	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas of ice and water accumulation. Monitor for sediment loading in ditches and drainages.	
Monitoring Frequency: Weekly and more frequently during runoff period	
Reporting Requirements: Environmental monitoring report every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** April 27th – May 10th, 2010
	
10/04/30 Water level drop as pool is drained	**10/04/30 Ditching to reduce pooling**
	
10/04/30 Pool draining	**10/04/30 Clearing snow at K19 on south side of road**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** April 27th – May 11th, 2010
	
10/04/30 Clearing snow and sorting on south side of road	**10/04/30 K19 sorting more material on North side of road (facing W)**
	
10/04/28 Barrels of waste diesel that need to be removed to special waste pad	**10/05/08 KM 19 following drilling/blasting efforts**

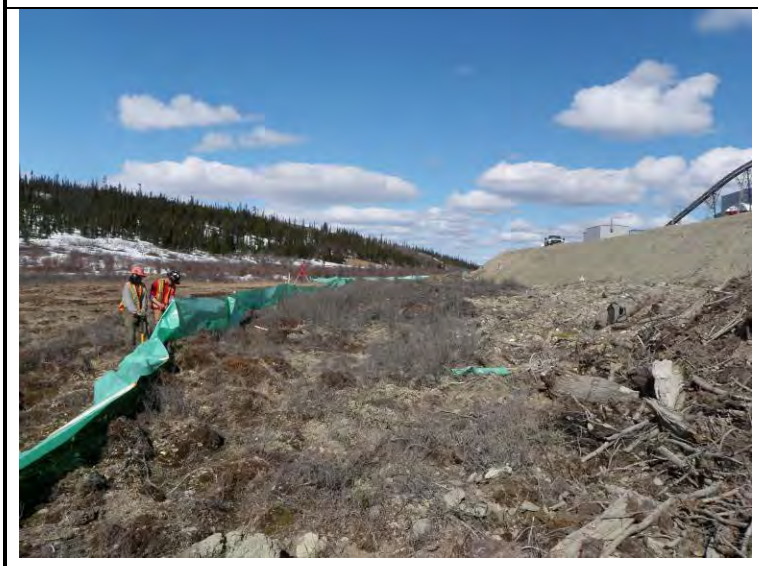
Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** April 27th – May 11th, 2010
	
10/05/08 Blasted material at KM 19	**10/05/09 Installation of silt fencing south of road at KM 27.2**
	
10/05/09 Installation of silt fencing south of road at KM 27.2	**10/05/10 Large spill kit containing an absorbent snake and pads placed at Bunker Creek (KM 10.5)**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 11th – May 24th ,2010	Inspector(s): Jaymie Skidmore and Jennie Gjertsen
Site Name: Access Road	Location/Co-ordinates: Wolverine access road - Km 0 to Km 32
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 5°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: - Sediment and erosion control works (maintenance and repair of fencing, freeing of areas of standing water to prevent ruptures in banks) - K27.2 culvert installed for tailings line to run through - Spill kit placed at km 10 bunker bridge - Sourcing roadbed material for UG mine at K 19. Drilling, blasting, crushing - Road watering sourced from Hawkowl Creek	
Site Status: - Road is drying up significantly (requires watering down) - Seeing increased runoff from melting in vegetation	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Assess as conditions change.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas and water accumulation. Monitor for sediment loading in ditches and drainages.	
Monitoring Frequency: Weekly and more frequently during rain events	
Reporting Requirements: Environmental monitoring report every two weeks	

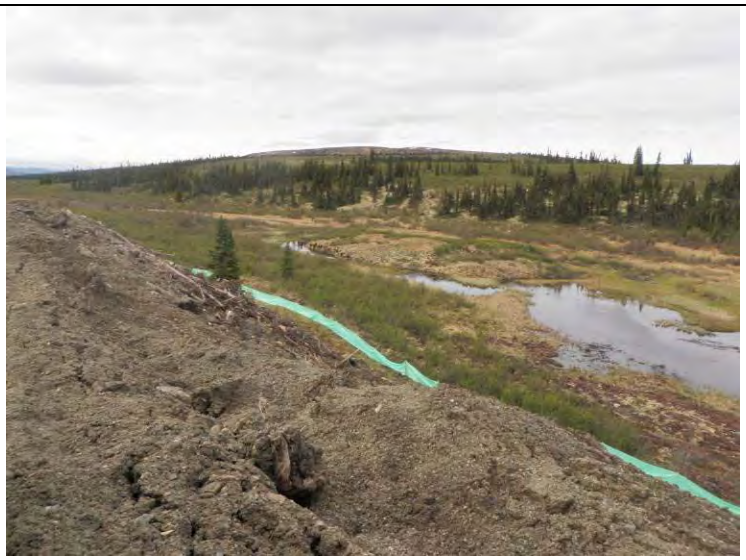
Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** May 11h – May 24th ,2010
	
10/05/14 Silt fence installed below lower bypass road.	**10/05/14** Culvert being installed 27.2
	
10/05/24 Sourcing UG road rock at K19	**10/05/24 Water running across road at K 16**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 24th – June 7th ,2010	Inspector(s): Robin McCall
Site Name: Access Road	Location/Co-ordinates: Wolverine access road - Km 0 to Km 32
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 0°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: - Sediment and erosion control works (i.e., installation of new fencing and maintenance and repair of existing fencing) - Sourcing roadbed material for UG mine at K 19. Drilling, blasting, crushing - Road watering sourced from Hawkowl Creek and Go Creek - Small road built over tailings pipeline at KM 26.8 to access water wells down the valley – this road attaches to a pre-existing road that leads to the wells.	
Site Status: - Road is drying up significantly (requires watering down) - Seeing increased runoff from melting in vegetation	
Assessed Risk: Low	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Assess as conditions change.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas where water is accumulating. Monitor for sediment loading in ditches and drainages.	
Monitoring Frequency: Weekly and more frequently during rain events	
Reporting Requirements: Environmental monitoring report as condition change	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** May 25th – June 7th ,2010
	
10/06/04 Silt fence installed below lower bypass road, looking West.	**10/06/04** Silt fence installed below lower bypass road, looking east.
	
10/06/04 Crushing activity at KM 19	**10/06/04** Drilling activity at KM 19

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** May 25th – June 7th ,2010
	
10/06/03 Excavation of blasted rock at KM 19	**10/06/03** Strippings/organics placed adjacent to disturbed area for crushing operation
	
10/05/30 Road built over tailings pipeline at 26+900	**10/05/30** Road built over tailings pipeline and continues down toward wells on pre-existing road at 26+900

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 23rd – July 4th ,2010	Inspector(s): Robin McCall and Jennie Gjertsen
Site Name: Access Road	Location/Co-ordinates: Wolverine access road - Km 0 to Km 32
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 0°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: - Sediment and erosion control works (i.e., installation of new fencing and maintenance and repair of existing fencing) - Sourcing roadbed material for UG mine at K 19. Drilling, blasting, crushing - Road watering sourced from Hawkowl Creek and Go Creek - Striping of organics and ditching along roadside from KM 19 – 22 to widen road - Installation of culverts (3), rock blocks and silt fencing along road between KM 19 -22	
Site Status: - Road is receiving rain daily, and runoff along sides of road significant – ditching to divert water at various locations is ongoing - Installation of new erosion control measures (i.e., silt fencing, use of straw bales) and support of existing measures ongoing, as required	
Assessed Risk: Low	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Assess as conditions change.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas where water is accumulating. Monitor areas of runoff for sediment loading	
Monitoring Frequency: Twice weekly during construction activities	
Reporting Requirements: Environmental monitoring report every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** June 23rd – July 4th ,2010
	
10/06/23 Evidence of erosion/sediment load below culvert at KM 20.5 due to consistent rain events	**10/07/04** Installation of large rocks and silt fencing to dissipate energy and reduce sedimentation at KM 20.5
	
10/06/24 New culverts ready for installation along road from KM 19 - 22	**10/06/24** Installation of culvert at KM 20, and widening of existing road

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** June 23rd – July 4th ,2010
	
10/06/24 Another spot where erosion/sedimentation is evident at KM 20	**10/06/24** Installation of culvert, and energy dissipation measures at KM 20
	
10/07/04 Installation of silt fencing below culvert to catch sediment load at KM 20	**10/07/04** Stripping of organics and contouring to widen road between KM 19 and 22.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: July 5th to July 19th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road	Location/Co-ordinates: Km 18 - 23 and Km 6 - 4
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Summer weather conditions, daily temperatures average from 5°C to 25°C. Mostly cloudy with periods of sun and rain.	
Part 2 – Site Assessment	
Activity: - Sediment and erosion control works (i.e., installation of new fencing and maintenance and repair of existing fencing) - Road watering sourced from Hawkowl Creek and Go Creek - Striping of organics and ditching along roadside from KM 18 – 23 and km6 - 4 to widen road - Installation of multiple culverts , rock blocks and silt fencing along road between KM 18 -23 and km6 - 4	
Site Status: - Road is receiving rain daily, and runoff along sides of road significant – ditching to divert water at various locations is ongoing - Installation of new erosion control measures (i.e., silt fencing, use of straw bales) and support of existing measures ongoing, as required	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Assess as conditions change.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor road drainages, as well as areas where water is accumulating. During runoff, monitor for sediment loading in ditches and drainages.	
Monitoring Frequency: Daily during construction and more frequently during rain events.	
Reporting Requirements: Environmental monitoring report every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** July 7th to July 19th ,2010
	
10/07/07 Culvert installation	**10/07/07 Ditching**
	
10/07/07 Erosion control	**10/07/07 resurfacing**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** July 7th to July 19th ,2010
	
10/07/08 Grade improvements	**10/07/08 Drainage control**
	
10/07/11 Km 4-6 Stripping organics	**10/07/15 Widening road at km6 and extending culvert**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: July 20th to August 2nd, 2010	Inspector(s): Robin McCall and Jennie Gjertsen
Site Name: Access Road	Location/Co-ordinates: Km 18 - 23 and Km 6 - 4
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Heavy rains at the beginning of the period, mostly sunny and very dry for the majority, daily temperatures average from 5°C to 25°C.	
Part 2 – Site Assessment	
Activity: - Finishing works from Km 19-22, including seeding from Km 19-21 - Widening and reducing grade of road sections Km 4 – Km 8 - Culvert installations between Km 4 – Km 8 - Coconut matting and seeding at Km 7.5 in area of permafrost - Silt fencing in areas of construction	
Site Status: - Work ongoing between Km 4 and Km - 6	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Steep slopes on areas of recent fill need silt fencing around areas of seasonal runoff and waterways in preparation for next spring	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor drainages in areas of construction, and look for areas that could require further mitigation. Provide technical support as contractor requests	
Monitoring Frequency: Once or twice weekly as construction continues.	
Reporting Requirements: Environmental monitoring report every two weeks until construction terminates	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** July 20th to August 2nd, 2010
	
10/07/22 Km 6+500 widening of road (facing downchain)	**10/07/24** Km 24+700, organic stockpile beside road seeded in Aug 2009 showing growth (facing west)
	
10/07/26 Km 7+500, Seeding and coconut matting to insulate and stabilize bank and permafrost (facing downchain)	**10/07/26** Km 7+500, Rip rap around drainage (facing upchain)

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** July 20th to August 2nd, 2010
	
10/07/26 Km 6+500, culvert removal preceding grade reduction (facing downchain)	**10/07/26** Km 5+500, filling to reduce grade and widen road. Organics should be pulled back and sloped to reduce potential for ponding (facing downchain)
	
10/07/26 Km 5+500 (downslope end), sediment fence needs to be removed and positioned upslope of rip rap to control sedimentation into drainage	**10/07/26** (upslope opening) adequate protection for runoff

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: August 3rd to August 16th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road	Location/Co-ordinates: Access Road
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Mostly sunny and very dry for the majority, daily temperatures average from 5°C to 25°C.	
Part 2 – Site Assessment	
Activity: - Finishing work at Km 7.5 permafrost section to be covered with coconut matting culvert to be installed with silt fence and rip rap - Widening and reducing grade of road sections Km 4 – Km 8 Silt fencing and rip rap installation in areas of construction - Stripping Material between km 10 – 12.5 - Reducing the grade of the road to a maximum 10% - Grading in various areas between km 0 – 27 - Straightening the road where there are dangerous corners	
Site Status: - Construction ongoing between Km 4 - Km 7.5 - Construction started between km 10 – 13 - Grading/raising the road between 16 – 17	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Steep slopes on areas of recent fill need silt fencing around areas of seasonal runoff and waterways in preparation for next spring, seeding along road side until construction terminates	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor drainages in areas of construction, and look for areas that could require further mitigation. Provide technical support as contractor requests	
Monitoring Frequency: Once or twice weekly as construction continues.	
Reporting Requirements: Environmental monitoring report every two weeks until construction terminates	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** August 3rd to August 16th, 2010
	
10/08/03 Borrow pit located at Km 4+500	**10/08/03** Raising the road, re surfacing and grading Km 4+500
	
10/08/03 Stripping materials and Km 4 area	**10/08/03** Raising and widening the road at Km 3+500

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** August 3rd to August 16th, 2010
	
10/08/06 Km 11+250- Stripping organic material	**10/08/06** Silt fencing installed around water drainages
	
10/08/06 Km 5+500 –Excavation of ditches. Area of permafrost exposed	**10/08/06** Km 5 area - sediment and erosion control is ongoing as construction continues

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road (Aerial View)	**Date:** August 3rd to August 16th, 2010
	
10/08/10 Km 23 aerial view	**10/08/10** Km 22 aerial view
	
10/08/10 Km 21+500 aerial view	**10/08/10** Km 19 borrow site aerial view

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road (Aerial View)	**Date:** August 3rd to August 16th, 2010
	
10/08/10 Km 17+500 borrow site aerial view	**10/08/10** Km 16 raising and grading the road
	
10/08/10 Km 13-14 aerial view	**10/08/10** Km 11-12 construction and borrow pit

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road **Aerial View**	**Date:** August 3rd to August 16th, 2010
	
10/08/10 Km 11-12 material stripped	**10/08/10** Km 7+500 coconut matting installed
	
10/08/10 Km 6+500 material being stripped	**10/08/10** Km 5+500 road raised and culvert extended

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** August 3rd to August 16th, 2010
	
10/08/16 Km 11 Road straightened, raised and bermed.	**10/08/16** Km 10+750 Corner to be straightened
	
10/08/16 Km 4+500 Road being raised and new ditching put into place	**10/08/16** Km 4+500

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: September 9th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road	Location/Co-ordinates: Access Road
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Mostly cloudy and very wet for the majority, daily temperatures average from 5°C to 15°C.	
Part 2 – Site Assessment	
Activity: - Large amount of material cut from the hill side along km 9.5 to be filled and graded - Stripping, grubbing, grading, and ditching ongoing between km 14 and 9 - A berm is being installed along the roadside where the road is unsafe and steep sides	
Site Status: - Construction ongoing between Km 9.5 - Km 14 - Erosion and sediment control ongoing - A seeding/reclamation program is in the works. The access road will be seeded along the sides from 27-0 - Borrow pits that are no longer needed will also be reclaimed. - The following areas will need coconut matting to help the seed take due to high amount of rock. - Km 21 – 22.5 borrow pit - Km 20.5 borrow pit - Km 19 borrow pit - Km 18 borrow pit - Km 14-17 consists of rock walls running along road side not much organic material for seed to take	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Steep slopes on areas of recent fill need silt fencing around areas of seasonal runoff and waterways in preparation for next spring, seeding along road side until construction terminates	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor drainages in areas of construction, and look for areas that could require further mitigation. Provide technical support as contractor requests	
Monitoring Frequency: Once or twice weekly as construction continues.	
Reporting Requirements: Environmental monitoring report every two weeks until construction terminates	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** September 9th ,2010
	
10/09/09 Km 10 clearing and stripping	**10/09/09** Km 9+500 Road raising
	
10/09/09 Km 9+500 Applying geotextile under fill	**10/09/09** Km 9+500 Fill material accessed locally

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** September 9th ,2010
	
10/09/09 Km 11-12 Completed road widening and ditching	**10/09/09** Km 12-13 Increased ditching in place for drainage
	
10/09/09 Km 13 widened and a berm installed along sharp corner and steep sections	**10/09/09** Km 14 clearing, stripping, road widening ongoing.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: September 21th – October 4th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road	Location/Co-ordinates: Access Road
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Fall weather consisting of rain and snow. Average daily temperature 0°C.	
Part 2 – Site Assessment	
Activity: - Large amount of material cut from the hill side along km 9.5 to be filled and graded - Road widening and straightening	
Site Status: - Construction ongoing between Km 9 and km 10 - Erosion and sediment control ongoing - The following areas have been seeded 9-9.5 deep fill area below road was seeded 10.8-11.4 below road 11.5-12 below road 12.5 below road 12.6-12.9 below road	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Erosion and sediment control	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor drainages in areas of construction, and look for areas that could require further mitigation. Provide technical support for contractor	
Monitoring Frequency: Once or twice weekly as construction continues.	
Reporting Requirements: Environmental monitoring report every two weeks until construction terminates	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** September 21th – October 4th ,2010
	
10/09/21 Filter cloth being buried. (facing upchain)	**10/09/21** Earth works ongoing (facing downchain)
	
10/09/21 Km 9+500 cut is being filled in (facing downchain)	**10/09/21** Permafrost cut into along upper side of 9+500

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** September 21th – October 4th ,2010
	
10/09/27 Opening cut in safety berm to allow drainage	**10/09/27** Road close to completion, packing and grading ongoing (km 9+500 facing downchain)
	
10/09/27 Filling, cutting and compacting (km 9+500 facing upchain)	**10/09/27** Silt fence installed at the tow of the slope for sediment control. (km 9+500 facing upchain)

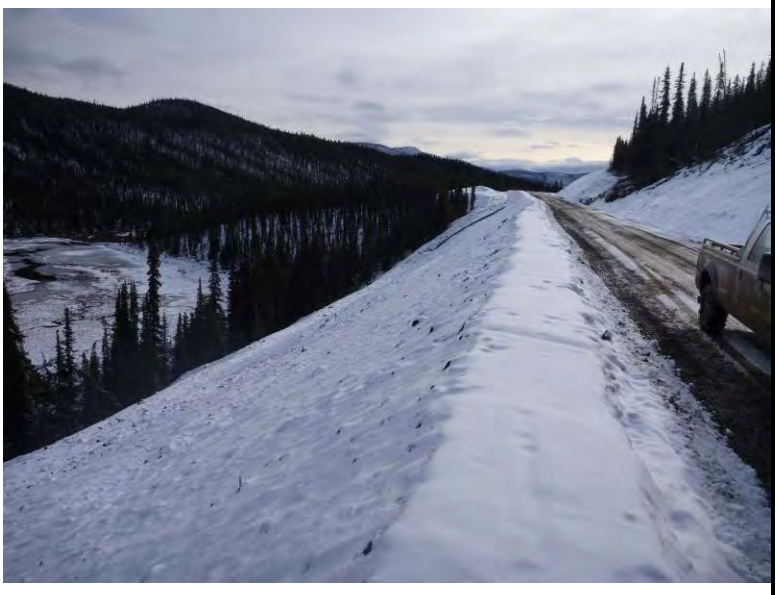
Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** September 21th – October 4th ,2010
	
10/10/03 Slope grading almost complete.	**10/10/03** Area of Permafrost has been insulated with coconut matting.
	
10/10/03 Km 9+500 road improvements almost complete.	**10/10/03** Finishing berm construction along steep sections

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: October 5th – October 19th ,2010	Inspector(s): Robin McCall
Site Name: Access Road	Location/Co-ordinates: Km 9.5 – 11
Site Location Description: The Wolverine Mine site access road starts at Km 190 on the Robert Campbell Hwy and ends at the YZC Exploration Camp at Wolverine Lake. The total length of the access road is 32 Km and passes through several different bioclimatic regions. The key water crossings include; Pitch, Putt, Bunker, Chip and Bogey, Hawkowl, Go and Campbell Creeks.	
Weather Conditions: Fall weather consisting of rain and snow. Average daily temperature -2°C.	
Part 2 – Site Assessment	
Activity: - Final grading, contouring and berm installation along road side from KM 9.5 - 11	
Site Status: - Construction complete between Km 9 and km 10 - Erosion and sediment control ongoing - Borrow pits that are no longer needed are being reclaimed.	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Continue to monitor drainages in areas of construction, and look for areas that could require further mitigation.	
Monitoring Frequency: Once a week or as required during temporary periods of snow melt during the fall.	
Reporting Requirements: None, unless more construction is required	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road	**Date:** October 5th – 19th ,2010
	
10/10/13 Looking downchain along road with berm in place	**10/10/13** Riprap at entrance to culvert
	
10/10/13 Culvert extension down slope of road with riprap at end to absorb/mitigate flow energy. Silt fencing installed at toe of slope.	**10/10/13** Looking upchain along berm, showing shallow grade.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: January 26th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Arctic Camp	Location/Co-ordinates: Arctic camp Km 25.5
Site Location Description: Arctic Camp is located at km 25.5 of the Access road on the West side of the road. Area for new trailer unit install is well drained and within the project's scope of disturbance. The new trailer setup will draw water from Hawkowl Creek as does the neighbouring camp. The new trailers will have the waste water transported to the YZC sewer treatment plant for treatment, and not be tied into the existing Arctic septic field.	
Weather Conditions: Typical winter weather. Temperatures ranging from -5°C to -25°C.	
Part 2 – Site Assessment	
Activity: None	
Site Status: Arctic camp extension is now occupied.	
Assessed Risk: Low	
Photos Attached: Yes (4)	
Samples Taken: No	
Additional Information Attached: None.	
Part 3 –Mitigation Requirements	
Mitigation Required: None	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor entire Arctic camp routinely for environmental concerns	
Monitoring Frequency: Every two weeks	
Reporting Requirements: Change in condition warranting reporting	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Arctic Camp - Extension	**Date: January 26th, 2010**
	
10/01/26 Right side view of new arctic extension.	**10/01/26** Front view.
	
10/01/26 Left side view.	**10/01/26** Camp gen-set.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: Feb. 2nd – 15th, 2010	Inspector(s): Robin McCall
Site Name: Arctic Camp	Location/Co-ordinates: Arctic camp Km 25.5
Site Location Description: The temporary construction camp (Arctic Camp) is located at Km 25 of the access road on the west side of the road. The camp was initially established in 2008, and occupied for the construction needs on site. The camp is located in the Go Creek drainage, and is several hundred metres from the Creek itself. The original camp is tied into a septic field and draws water from Hawkowl Creek in the winter months, and from a well installation in the summer months. Since 2008 additional units have been added, and draw water from the same source, but do not deposit waste water into the septic field.	
Weather Conditions: Typical winter weather. Temperatures ranging from +2°C to -20°C.	
Part 2 – Site Assessment	
Activity: None	
Site Status: Arctic camp extension continues to be occupied – water from Hawkowl Creek being trucked there for use, sewage taken to YZC STP. Shop area clean and organized. Camp is free of wildlife attractants and environmental hazards.	
Assessed Risk: Low	
Photos Attached: Yes (4)	
Samples Taken: No	
Additional Information Attached: None.	
Part 3 –Mitigation Requirements	
Mitigation Required: None	
Mitigation Condition: excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Ongoing	
Monitoring Frequency: Twice a month or more frequently	
Reporting Requirements: Report if a change in condition warrants reporting.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Arctic Camp	**Date: Feb. 2nd – 15th, 2010**
	
10/02/13 Looking SE at arctic extension.	**10/02/13** Arctic mechanic shop and vehicles
	
10/02/8 Garbage bin organized and clean	**10/02/15** Looking SW at Arctic Camp

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: September 30th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Arctic Camp	Location/Co-ordinates: Arctic camp Km 25.5
Site Location Description: The temporary construction camp (Arctic Camp) is located at Km 25 of the access road on the west side of the road. The camp was initially established in 2008, and occupied for the construction needs on site. The camp is located in the Go Creek drainage, and is several hundred meters from the Creek itself. The original camp is tied into a septic field and draws water from Hawkowl Creek in the winter months, and from a well installation in the summer months. Since 2008 additional units have been added, and draw water from the same source, but do not deposit waste water into the septic field.	
Part 2 – Site Assessment	
Site Status: -Arctic construction has moved all employees to YZC camp -Arctic camp is in the process of being decommissioned and removed from site over the winter	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None.	
Part 3 –Mitigation Requirements	
Mitigation Required: None	
Mitigation Condition: N/A	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Ongoing	
Monitoring Frequency: As required.	
Reporting Requirements: As the camp is decommissioned.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Arctic Camp	**Date:** September 30th, 2010
	
10/09/30 Arctic camp shop	Arctic camp kitchen and dorms
	
Arctic camp bunk houses	Some offices have already been removed. Gen-set in background

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Arctic Camp	**Date:** September 30th, 2010
	
Arctic camp lay down storage area facing north	Arctic camp lay down storage area facing south

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 1st and March 8th, 2010	Inspector(s): Jennie Gjertsen
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0 - Km 27
Location Description: Key creeks and drainages along access road.	
Weather Conditions: Unusually warm winter conditions. March daily temperature averages to date range from -10°C to 0°C	
Part 2 – Site Assessment	
Activity: None	
Site Status: Creeks are still covered in snow and ice, no open areas near road	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time.	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Creeks for background information, and for determining mitigation required for freshet	
Monitoring Frequency: Weekly, and more frequently when heavy flows commence	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** March 8th, 2010
	
Pitch Creek – upstream	Pitch Creek – down stream
	
Putt Creek – upstream	Putt Creek – downstream

Form: EM07-01

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** March 8th, 2010
	
Bunker Creek – Upstream	Bunker Creek – Downstream
	
Hawkowl Creek – Upstream	Hawkowl Creek – Downstream

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 16th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0 - Km 27
Location Description: Key creeks and drainages along access road.	
Weather Conditions: Unusually warm winter conditions. March daily temperature averages to date range from -10°C to 0°C.	
Part 2 – Site Assessment	
Activity: Warm weather is causing glaciers to form and the ice to open up.	
Site Status: Creeks are still covered in snow and ice, some open water observed.	
Assessed Risk: none	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time.	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Creeks for background information, and for determining mitigation required for freshet	
Monitoring Frequency: Weekly, and more frequently when high flows commence	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks **Date:** March 16th, 2010

Pitch Creek – upstream

Pitch Creek – down stream

Putt Creek – upstream

Putt Creek – downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** March 16th, 2010
	
Bunker Creek – Upstream	Bunker Creek – Downstream
	
Hawkowl Creek – Upstream	Hawkowl Creek – Downstream

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 3rd , 2010	Inspector(s): Jaymie Skidmore/Jennie Gjertsen
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0 - Km 27
Location Description: Key creeks and drainages along access road.	
Weather Conditions: Unusually warm winter conditions. April daily temperature averages to date range from -10°C to 0°C.	
Part 2 – Site Assessment	
Activity: Warm weather is causing glaciers to form and the ice to open up.	
Site Status: Creeks are still covered in snow and ice, some open water observed.	
Assessed Risk: none	
Photos Attached: Yes (9)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time.	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Creeks for background information, and for determining mitigation required for freshet	
Monitoring Frequency: Weekly, and more frequently when high flows commence	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** April 3rd , 2010
	
Pitch Creek – upstream	Pitch Creek – down stream
	
Putt Creek – upstream	Putt Creek – downstream

Form: EM07-01

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** April 3rd , 2010
	
Bunker Creek – Upstream	Bunker Creek – Downstream
	
Hawkowl Creek – Upstream	Hawkowl Creek – Downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** April 3rd , 2010
	
Go Creek - Downstream	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 23rd , 2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0 - Km 27
Location Description: Key creeks and drainages along access road.	
Weather Conditions: Unusually warm winter conditions. April daily temperature averages to date range from -10°C to 0°C.	
Part 2 – Site Assessment	
Activity: Warm weather is causing creeks to glaciate and some ice to open up.	
Site Status: Creeks are still covered in snow and ice, some open water observed.	
Assessed Risk: None	
Photos Attached: Yes (10)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time.	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Creeks for background information, and for determining mitigation required for freshet	
Monitoring Frequency: Weekly, and more frequently when heavy flows commence	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** April 23rd , 2010
	
Pitch Creek – upstream	Pitch Creek – down stream
	
Putt Creek – upstream	Putt Creek – downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** April 23rd , 2010
	
Bunker Creek – Upstream	Bunker Creek – Downstream
	
Hawkowl Creek – Upstream	Hawkowl Creek – Downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** April 23rd , 2010
	
Go Creek - Downstream	Go Creek- Upstream

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 8th-10th , 2010	Inspector(s): Robin McCall
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0 - Km 27
Location Description: Key creeks and drainages along access road.	
Weather Conditions: Unusually warm winter conditions. April - May daily temperature averages to date range from -10°C to +10°C.	
Part 2 – Site Assessment	
Activity: Much more open water than during last reporting period	
Site Status: Some creeks are still partly covered in snow and ice, open water observed at most creeks	
Assessed Risk: None	
Photos Attached: Yes (12)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time.	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Creeks for background information, and for determining mitigation required for freshet	
Monitoring Frequency: Weekly	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 11th, 2010
	
2010/05/08 Pitch Creek – upstream	**2010/05/08** Pitch Creek – down stream
	
2010/05/08 Putt Creek – upstream	**2010/05/08** Putt Creek – downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 11th, 2010
	
2010/05/08 Bunker Creek – Upstream	**2010/05/08** Bunker Creek – Downstream
	
2010/05/09 Hawkowl Creek – Upstream	**2010/05/09** Hawkowl Creek – Downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 11th, 2010
	
2010/05/09 Go Creek - Upstream	**2010/05/09** Go Creek- Downstream
	
2010/05/10 Campbell Creek - Upstream	**2010/05/10** Campbell Creek - Downstream

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 24th , 2010	Inspector(s): Jennie Gjertsen
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0 - Km 27
Location Description: Key creeks and drainages along access road.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 5°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: None	
Site Status: All creeks have open water, flows increasing	
Assessed Risk: None	
Photos Attached: Yes (14)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time.	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Creeks for background information, and for determining mitigation required for freshet	
Monitoring Frequency: Weekly	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 24th, 2010
	
2010/05/24 Pitch Creek – upstream	**2010/05/24** Pitch Creek – down stream
	
2010/05/24 Putt Creek – upstream	**2010/05/24** Putt Creek – downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 24th, 2010
	
2010/05/24 Bunker Creek – Upstream	**2010/05/24** Bunker Creek – Downstream
	
2010/05/24 Hawkowl Creek – Upstream	**2010/05/24** Hawkowl Creek – Downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 24th, 2010
	
2010/05/24 Go Creek - Upstream	**2010/05/24** Go Creek- Downstream
	
2010/05/23 Campbell Creek – Upstream	**2010/05/23** Campbell Creek – Upstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 24th, 2010
	
2010/05/24 Chip Creek – Upstream	**2010/05/24** Chip Creek – Up slope ditch

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 26th - June 7th , 2010	Inspector(s): Robin McCall
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0 - Km 27
Location Description: Key creeks and drainages along access road.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 0°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: A small road was built on the south side of the Access road leading to Hawkowl Creek. This was installed so that the Water Truck (Re: for dust control purposes) could access the creek and extract water more safely, as vehicles were having difficulty passing the Water Truck during extraction at its previous access point. Some additional silt fencing was placed along the edges of Hawkowl Creek because of this new development. Also, since water was also being extracted from Go Creek, some silt fencing was installed along Go Creek as well.	
Site Status: All creeks have open water, flows increasing	
Assessed Risk: Low	
Photos Attached: Yes (10)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None at this time.	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Creeks for background information, and for determining mitigation required during freshet as necessary	
Monitoring Frequency: Weekly	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 26th - June 7th, 2010
	
2010/06/04 Pitch Creek – upstream	**2010/06/04** Pitch Creek – down stream
	
2010/05/26 Putt Creek – upstream	**2010/05/26** Putt Creek – downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 24th – June 6th, 2010
	
2010/06/04 Bunker Creek – Upstream	**2010/06/04** Bunker Creek – Downstream
	
2010/06/06 Hawkowl Creek – Upstream	**2010/06/01** Hawkowl Creek – Downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** May 24th – June 6th, 2010
	
2010/05/26 Go Creek - Upstream	**2010/05/26** Go Creek- Downstream

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 13th ,2010	Inspector(s): Jaymie Skidmore
Site Name: Access Road Creeks	Location/Co-ordinates: Km 0 - Km 31
Location Description: Key creeks and drainages along access road.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 5°C to 15°C. Mostly sunny with periods of rainfall with some snow.	
Part 2 – Site Assessment	
Activity: High flows subsiding	
Site Status: All creeks have open water, flows reducing.	
Assessed Risk: Low	
Photos Attached: Yes (12)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Improvements to erosion and sediment control is ongoing surrounding drainages	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Creeks for determining further mitigation	
Monitoring Frequency: As changes occur.	
Reporting Requirements: As changes occur.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** June 13th ,2010
	
10/06/13 Pitch Creek – upstream	**10/06/13** Pitch Creek – down stream
	
10/06/13 Putt Creek – upstream	**10/06/13** Putt Creek – downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks	**Date:** June 13th ,2010
	
10/06/13 Bunker Creek – Upstream	**10/06/13** Bunker Creek – Downstream
	
10/06/13 Hawkowl Creek – Upstream	**10/06/13** Hawkowl Creek – Downstream

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Access Road Creeks

Date: June 13th ,2010

10/06/13 Go Creek - Upstream

10/06/13 Go Creek- Downstream

10/06/13 Campbell Creek - Upstream

10/06/13 Campbell Creek – Downstream

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 13th – April 26th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Ditch 3	Location/Co-ordinates: NW (Ditch 4) and SW (Ditch 3) of Upper and Lower Portal Area
Site Location Description: Ditches 3 and 4 surround the down slope perimeter of the industrial complex. Their purpose is to collect all the surface runoff for the Industrial Complex so that the water can be treated at the lower portal treatment sump, or pumped to the tailings upon completion. The longest portions of the ditches run along the valley where the Wolverine Creek watershed begins to form open water. Most of the ditch construction was done using fill from the industrial complex mill excavation, the ditch is lined with enviro liner.	
Weather Conditions: Typical spring weather, temperatures ranging from 15C° to 0C° periods of snow, rain and sun.	
Part 2 – Site Assessment	
Activity: -Removal of snow, ice and debris from the ditch to help it flow	
Site Description: -Ditch 3 still has some ice build up -Has a slow steady flow into sump 2 -Holes in the liner will appear as snow melts and sediment is to be removed	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: holes will need to repaired and sediment removed as the ditch dries	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: as repairs and construction is done	
Monitoring Frequency: Daily during periods of snow melt and heavy rain in spring.	
Reporting Requirements: bi-weekly	

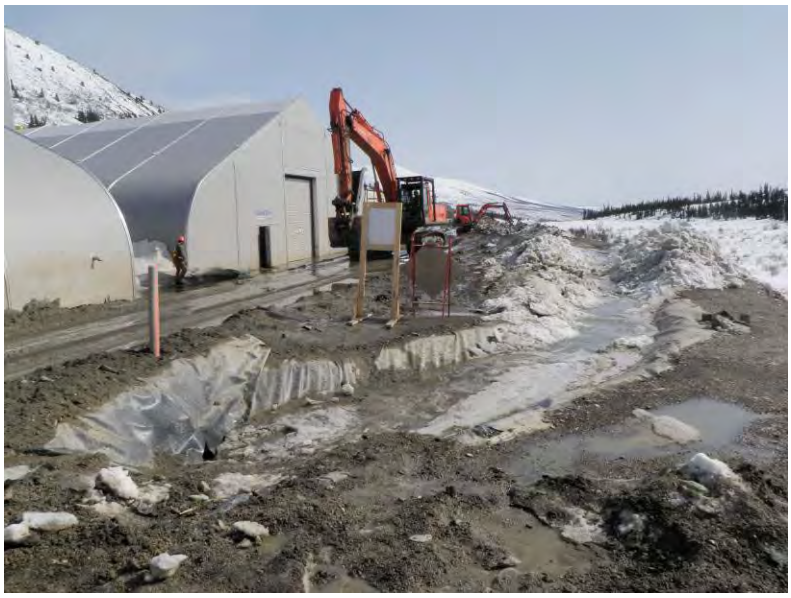
Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 3

Date: April 13th – April 27th ,2010

10/04/15 Removing snow and ice to free the flow

10/04/15 Snow and ice moved a side water starting to floe freely



10/04/15 Some sediment built up near the culvert

10/04/16 water is flowing at a steady rate into sump 2

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 3	**Date:** April 13th – April 27th ,2010
 10/04/21 Ditch is clear of ice and snow and is flowing into sump 2. Sediment will be pumped out as needed.	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 9th ,2010	Inspector(s): Jaymie Skidmore
Site Name: Ditch 3	Location/Co-ordinates: NW (Ditch 4) and SW (Ditch 3) of Upper and Lower Portal Area
Site Location Description: Ditches 3 and 4 surround the down slope perimeter of the industrial complex. Their purpose is to collect all the surface runoff for the Industrial Complex so that the water can be treated at the lower portal treatment sump, or pumped to the tailings upon completion. The longest portions of the ditches run along the valley where the Wolverine Creek watershed begins to form open water. Most of the ditch construction was done using fill from the industrial complex mill excavation, the ditch is lined with enviro liner.	
Weather Conditions: Typical spring weather, temperatures ranging from 20C° to 5C° periods of rain and sun.	
Part 2 – Site Assessment	
Activity: -none	
Site Description: -Thick layer of sediment has built up in the ditch and needs to be removed -Has a slow steady flow into sump 2 during wet weather -Holes in the liner that have been exposed were marked with blue paint -The grade of the road has overlapped the ditch	
Assessed Risk: Low	
Photos Attached: Yes (2)	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: holes will need to repaired and sediment removed	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: as repairs and construction is done	
Monitoring Frequency: Daily during periods of heavy rain.	
Reporting Requirements: during change in condition	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 3	**Date:** June 9th ,2010
	
10/06/09 Ditch 3 facing south. Sediment needs to be removed.	**10/06/09** Ditch 3 facing north. Holes in the liner need to be repaired.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 13th – April 26th ,2010	Inspector(s): Jaymie Skidmore
Site Name: Ditch 4	Location/Co-ordinates: NW (Ditch 4) and SW (Ditch 3) of Upper and Lower Portal Area
Site Location Description: Ditches 3 and 4 surround the down slope perimeter of the industrial complex. Their purpose is to collect all the surface runoff for the Industrial Complex so that the water can be treated at the lower portal treatment sump, or pumped to the tailings upon completion. The longest portions of the ditches run along the valley where the Wolverine Creek watershed begins to form open water. Most of the ditch construction was done using fill from the industrial complex mill excavation, the ditch is lined with enviro liner.	
Weather Conditions: Typical spring weather, temperatures ranging from 15C° to 0C° periods of snow, rain and sun.	
Part 2 – Site Assessment	
Activity: -Preventing water from flowing over the edge or under the liner -Removing debris, snow and sediment from ditch -Clearing a path for the water to flow into sump 2 -Monitoring for leaks from holes and dam ups -Filling holes that are allowing water to run under liner -Attempting to build up sides where needed -Preventing further erosion of the ditch walls	
Site Description: -Water is flowing into ditch 2 -The walls of the ditch are eroding -Some water is flowing under the liner through holes and where the edge of the liner has been exposed -Some water has flown over the liner into the valley taking some sediment with it -Ice and sediment is built up throughout the ditch -Clear of most debris (debris has caused multiple holes along liner) -Multiple holes in the liner are surfacing as the snow melts away -A lot of the material holding down the liner on the upper side has eroded and ended up in the ditch (this has allowed water to run under the liner)	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: Debris and ice needs to removed, holes in the liner need to repaired, sides need to built up	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: monitor daily	
Monitoring Frequency: Daily during periods of snow melt and heavy rain in spring.	
Reporting Requirements: bi-weekly	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 4	**Date:** April 13th – April 26th ,2010
 **10/04/13** Melt of ice and snow has started	 **10/04/13** Ditch filled with ice and snow and debris
 **10/04/13** Pumping water in from Dynamic Ore sump	 **10/04/13** Removing snow and debris from ditch to allow flow

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 4

Date: April 13th – April 26th ,2010

10/04/15 The ditch is full of debris, ice and snow.

10/04/15 Starting to break up all the ice and snow to all water to flow through

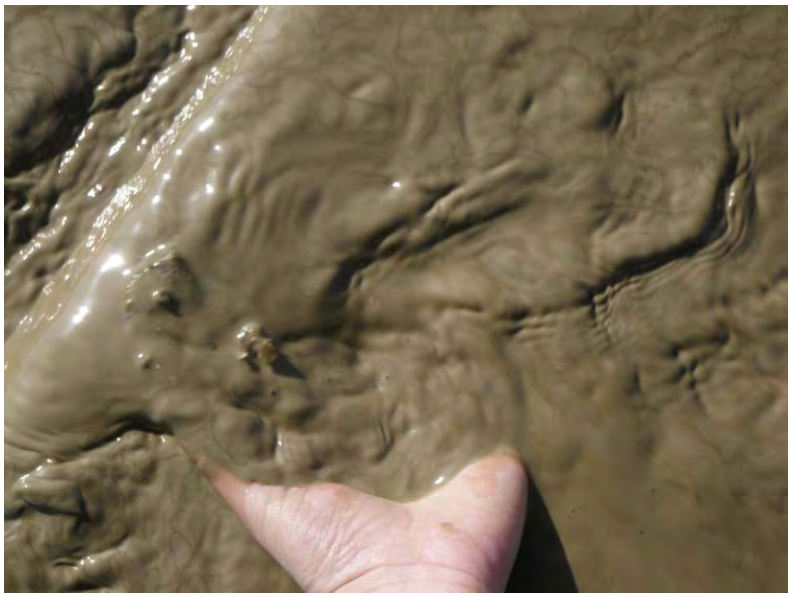
10/04/15 Ice built up along the ditch blocking flow

10/04/15 Guys working on the ditch to get it flowing and stop the over flowing where it is damming up.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 4	**Date:** April 13th – April 26th ,2010
 **10/04/15** Flooding at the north end of the ditch	 **10/04/16** Starting to repair ditch to allow proper flow
 **10/04/16** Holes are now appearing from the size of a dollar up to a half meter wide	 **10/04/16** Material is eroding along the edge allowing sediment to build up in the ditch

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 4	**Date:** April 13th – April 26th ,2010
 **10/04/16** Water discovered pooling under the liner	 **10/04/16** water running under liner through holes
 **10/04/16** filling the holes in the liner to stop the water flowing under the liner	 **10/04/18** The water under the liner has dissipated.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 4

Date: April 13th – April 26th ,2010

10/04/18 Water is flowing at a steady pace. No more ice and debris damming it up. There is a lot of sediment building up that needs to be removed.

10/04/21 Ditch is clear and is flowing steady. Snow fall and rain have increased the flow significantly.

10/04/22 A sump has been built to collect water pooling above ditch 4. This water is then pumped into ditch 4 or taken via truck to tailings facility

10/04/24 Sump built below north end of ditch 4 to catch runoff from dynamic waste rock pile. This water will then be pumped into ditch 4 or to tailings

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 11th – May 25th, 2010	Inspector(s): Jaymie Skidmore and Jennie Gjertsen
Site Name: Ditch 4	Location/Co-ordinates: NW (Ditch 4) and SW (Ditch 3) of Upper and Lower Portal Area
Site Location Description: Ditches 3 and 4 surround the down slope perimeter of the industrial complex. Their purpose is to collect all the surface runoff for the Industrial Complex so that the water can be treated at the lower portal treatment sump, or pumped to the tailings upon completion. The longest portions of the ditches run along the valley where the Wolverine Creek watershed begins to form open water. Most of the ditch construction was done using fill from the industrial complex mill excavation, the ditch is lined with enviro liner.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 5°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: -Holes in the liner have been marked with blue paint. Need to be repaired.	
Site Description: -No runoff water flowing through this period -Some of the walls of the ditch have collapsed near the south end culvert. -Multiple holes in the liner	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: Debris and sediment needs to removed, holes in the liner need to repaired, sides need to built up	
Mitigation Condition: fair	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor for bank stability, blockages and liner damage	
Monitoring Frequency: Daily during periods heavy rain.	
Reporting Requirements: As conditions change	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Ditch 4	**Date:** May 12th – May 24th ,2010
	
10/05/13 Sediment build up (south end)	**10/05/13** There is no water flowing (looking north)
	
10/05/13 Debris in ditch (North end)	**10/05/13** Holes marked with blue paint (Various sizes)

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 11th – April 17th , 2010	Inspector(s): Robin McCall and Jaymie Skidmore
Site Name: Dynamic Ore Stockpile	Location/Co-ordinates: KM 28.6 / 0439554E;6811058N
Site Location Description: A dynamic stockpile of ore (i.e., rock that has a high concentration of metals) from the underground was established on a prepared (i.e., compacted and bermed) pad near the northern most end of Ditch 4 (south of the vent raise) within the Industrial complex. The pad sits between the toe of a high sloping hill and Wolverine creek. A lined ditch (Ditch 4) is located between the ore stockpile and the creek, but only extends half way along the ore pile (See attached diagram). The ore from this Dynamic Ore pile will be used to commission the Crusher and Mill, and therefore, will not be in its present location for long.	
Weather Conditions: Spring conditions (temperature ranging between -15°C and 5°C) - snow melt in effect.	
Part 2 – Site Assessment	
Activity: - A temporary sump has been established to collect any runoff from the Dynamic Ore Pad. Water from the temporary sump is being pumped into Ditch 4 on a daily basis. - Debris, snow and sediment are being removed from Ditch 4 to allow water (sourced from the temporary sump as well as some runoff water from the Industrial complex) to flow into Surface Sump #2, and then pumped to the Tailings Facility. - Temporary berms were established to divert runoff water into Ditch 4, or the temporary sump.	
Site Status: Temporary sump catching runoff from Dynamic Ore Pad. Ditch 4 is being kept clear to divert water into Surface Sump #2.	
Assessed Risk: medium	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: Diagram outlining area of concern	
Part 3 –Mitigation Requirements	
Mitigation Required: A portion (~10%) of the NW side of the Dynamic Ore Pile is to be removed and placed on the SE side of the pile. Suitable material (i.e., fine sands) will then need to be transported to the same NW corner of the pile and used to elevate and berm the base of the pad to divert any runoff water from snow/rain events toward Ditch 4, as required.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor soil conditions (i.e., thawing process) to determine when suitable material can be used. Monitor runoff into temporary sump and pump into Ditch 4 as required. Monitor Ditch 4 and ensure a clear channel is maintained to allow constant flow to Surface Sump #2. Monitor water level within Surface Sump #2 and pump to Tailings Facility as required.	
Monitoring Frequency: Daily	
Reporting Requirements: As changes occur	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** April 11th – April 17th , 2010
	
10/04/11 Water runoff from temporary ore pile	**10/04/11 Excavator establishing berm to divert runoff water toward Ditch 4**
	
10/04/11 Excavator pulling ore back from NW edge of Dynamic Ore pile	**10/04/13 Looking SE along Ditch 4**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** April 11th – April 17th , 2010
	
10/04/13 Excess snow and debris in Ditch 4 blocking flow through	**10/04/14 Runoff from Dynamic Ore pile being pumped into Ditch 4**
	
10/04/15 Overflow from Ditch 4 due to localized blockage	**10/04/15 North end of Ditch 4 – discussing options**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** April 11th – April 17th , 2010
	
10/04/15 Temporary sump to catch ore pile runoff and pump to Ditch 4	**10/04/15 Pumping water into ditch 4 stopped due to over flow**
	
10/04/16 Cleaning debris from Ditch 4 to relieve blockage	**10/04/17 Looking SE along Ditch 4 showing runoff water flowing freely (no blockages or overflow) toward Surface Sump #2**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 17st – 24th , 2010	Inspector(s): Robin McCall and Jennie Gjertsen
Site Name: Dynamic Ore Stockpile	Location/Co-ordinates: KM 28.6 / 0439554E;6811058N
Site Location Description: A dynamic ore stockpile was established on a prepared (i.e., compacted and bermed) pad near the northern most end of Ditch 4 (south of the vent raise) within the Industrial Complex area. The stockpile will be used for mill commissioning and consumed during the first year of operations, and therefore is temporary. The stockpile area sits at the base of a high sloping hill and is elevated above Wolverine creek, setback approximately 50m. A lined ditch (Ditch 4) is located between the ore stockpile and the creek, but does not extend the entire distance along the stockpile location.	
Weather Conditions: Spring conditions (temperature ranging between -10 and +5°C) - snow melt in effect.	
Part 2 – Site Assessment	
Activity: - A portion (~10%) of the NW side of the Dynamic Ore pile was removed and placed on the SE side of the pile. Suitable fine material (i.e., sand and clay) was then transported to the same NW corner of the pile and used to elevate and berm the base of the pad so that runoff water from snow/rain events would be directed toward Ditch 4 (see Photos below). - Additional measures were installed as site conditions dictated, including: 1. a lined sump was installed on the south side of the road and 2. small swales were excavated to divert runoff from the stockpile, or roads	
Site Status: The newly installed sump is monitored daily and water collected in it is pumped to Ditch 4 as required.	
Assessed Risk: low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: As a precautionary measure, installation of silt fencing to filter runoff downslope of the sump is required.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor runoff into sump and pump into Ditch 4 as required. Monitor Ditch 4 and ensure a clear channel is maintained to allow constant flow to Surface Sump #2. Monitor water level within Surface Sump #2 and pump to Tailings Facility as required. Monitor general area for sediment-laden runoff, particularly during rain events.	
Monitoring Frequency: Daily	
Reporting Requirements: As changes occur	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** April 18th – 24th , 2010
	
10/04/18 Ditch 4 clear and free flowing. West portion of Dynamic Ore pile being moved East to within ditch limits	**10/04/18 Excavator loading ore into rock truck**
	
10/04/18 West portion of the ore pile being removed and placed within the ditch limits	**10/04/18 Rock truck transporting ore**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** April 18th – 24th , 2010
	
10/04/19 Ore pile following the transportation of ore from NW portion of pile to SE side	**10/04/19 Looking SE along Ditch 4 showing runoff water flowing freely (no blockages or overflow) toward Surface Sump #2**
	
10/04/19 Fine sand material being transported to NW portion of Dynamic Ore pile (looking E)	**10/04/20 Final berming around SW corner of Dynamic Ore pile**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** April 18th – 24th , 2010
	
10/04/23 Starting excavation for lined sump installation (note: end of Ditch 4 in foreground)	**10/04/24 Installation of liner (looking SW)**
	
10/04/24 Installation of liner (picture taken from end of Ditch 4 looking W)	**10/04/24 Runoff water flowing into new lined sump**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 5th – 9th , 2010	Inspector(s): Robin McCall
Site Name: Dynamic Ore Stockpile	Location/Co-ordinates: KM 28.6 / 0439554E;6811058N
Site Location Description: A dynamic ore stockpile was established on a prepared pad near the northern most end of Ditch 4 (south of the vent raise) within the Industrial Complex area. The stockpile will be used for mill commissioning and consumed during the first year of operations, and therefore is temporary. The stockpile area sits at the base of a high sloping hill and is elevated above Wolverine creek, setback approximately 50m. A lined ditch (Ditch 4) is located between the ore stockpile and the creek, and sumps have been installed to prevent sediment-laden runoff from migrating downslope. In addition, a silt fence runs along the toe of the Industrial Complex embankment along the entire creek length.	
Weather Conditions: Spring conditions (temperature ranging between -5 and +15°C) - snow melt in effect.	
Part 2 – Site Assessment	
Activity: - Minor modifications were made to the newly installed sumps. Another berm was constructed to divert any runoff from the disturbed area directly west of the lined sump into the sump. Silt fencing (with straw at base) was installed just below the sump as a precautionary measure to filter runoff from the area around and downslope of the sump .	
Site Status: The newly installed sump is monitored daily and water collected in it is pumped to Ditch 4 as required.	
Assessed Risk: low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: None	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor runoff into sump and pump into Ditch 4 as required. Monitor Ditch 4 and ensure a clear channel is maintained to allow constant flow to Surface Sump #2. Monitor water level within Surface Sump #2 and pump to Tailings Facility as required. Monitor general area for erosion, particularly during rain events.	
Monitoring Frequency: Daily	
Reporting Requirements: As changes occur	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** May 5th – 9th , 2010
	
10/05/07 Initial construction efforts on the berm	**10/05/08 Constructed berm in place, with channel to divert runoff water into sump**
	
10/05/08 Looking west at berm/sump system	**10/05/09 Silt fencing installed just downslope (SE) of sump system as a precautionary measure**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 25th – July 16th , 2010	Inspector(s): Robin McCall
Site Name: Dynamic Ore Stockpile	Location/Co-ordinates: KM 28.6 / 0439554E;6811058N
Site Location Description: A dynamic ore stockpile was established on a prepared pad near the northern most end of Ditch 4 (south of the vent raise) within the Industrial Complex area. The stockpile will be used for mill commissioning and consumed during the first year of operations, and therefore is temporary. The stockpile area sits at the base of a high sloping hill and is elevated above Wolverine creek, setback approximately 50m. A lined ditch (Ditch 4) is located between the ore stockpile and the creek, and sumps have been installed to prevent sediment-laden runoff from migrating downslope. In addition, a silt fence runs along the toe of the Industrial Complex embankment along the entire creek length.	
Weather Conditions: Spring conditions (temperature ranging between 5 and +20°C).	
Part 2 – Site Assessment	
Activity: - A temporary sump that was installed in May for sedimentation control was removed (Photo 1) and the area surrounding the SW corner of the temporary ore pile has been built up to divert any runoff water directly into Ditch 4 (Photos 2-4, 6-7). - A culvert was installed to divert runoff water from the organic stockpile area (located NW of the temporary ore stockpile) to Wolverine creek. Riprap was installed at the inlet and outlet of the culvert, as well as along the ditch leading to the culvert to dissipate energy and sediment load (Photos 5 & 8). Silt fencing and straw bales were also installed at the outlet of the culvert to assist with energy dissipation and filtration of incoming water (Photo 8).	
Site Status: - Final grade complete. Water running off ore pile is diverted directly into Ditch 4. Water running from the organic stockpile area is diverted to Wolverine creek via a ditch and culvert that contains riprap, straw bales and silt fence.	
Assessed Risk: low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: With the implemented mitigation in place, regular inspections will be conducted as required.	
Mitigation Condition: Acceptable	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor runoff into Ditch 4 as required. Monitor Ditch 4 and ensure a clear channel is maintained to allow constant flow to Surface Sump #2. Monitor water level within Surface Sump #2 and pump to Tailings Facility as required. Monitor general area for erosion, particularly during rain events.	
Monitoring Frequency: As required, with increased frequency during spring thaw and heavy rain events	
Reporting Requirements: As changes occur	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** June 25th – July 16th , 2010
	
Photo 1 (10/06/27) Removal of temporary sump	**Photo 2 (10/06/27)** Area around the SW corner of temporary ore stockpile being built up to divert runoff water toward Ditch 4 (in foreground)
	
Photo 3 (10/07/08) Looking west at area surrounding the NW corner of the temporary ore pile being packed	**Photo 4 (10/07/08)** Looking NE at temporary ore stockpile – area being built up and graded

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Temporary Ore Stockpile	**Date:** June 25th – July 18th , 2010
	
Photo 5 (10/07/11) Installation of culvert and riprap to divert runoff water from organic stockpile area to Wolverine creek.	**Photo 6 (10/07/18)** Final grade (toward Ditch 4) of area surrounding NW corner of temporary ore stockpile. Far right shows ditch that diverts runoff from organic stockpile area to culvert.
	
Photo 7 (10/07/18) Looking west at area surrounding the NW corner of the temporary ore pile – final grade.	**Photo 8 (10/07/18)** Outlet of culvert toward Wolverine creek showing riprap, straw bale and silt fencing installation.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: January 19th – 27th , 2010	Inspector(s): Jaymie Skidmore
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 where it will be tested and treated if required. IC Ditch #1 will act to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. Infrastructure preparation complete and construction underway.	
Weather Conditions: Typical winter weather, temperatures ranging from -10°C to -25°C with periods of snow.	
Part 2 – Site Assessment	
Activity: - 2 gen-sets have arrived on site.	
Site Status: - Mill, CLO, and Crusher under construction. - Ditch 2 not yet excavated. - Ditch 1 not yet lined. - Gen-set pad in final stages. - Fuel storage pad in final stages.	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: Monitor Fuel farms and generators.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor entire job site.	
Monitoring Frequency: Several times weekly, with thorough inspection of work sites once a week	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** January 19th – 27th
	
10/01/23 Front view of mill.	**10/01/23** Side view of mill.
	
10/01/23 Right side of mill and CLO building.	**10/01/23** Back view of mill and CLO.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** January 19th – 27th
	
10/01/26 Front view of crusher building.	**10/01/26** Side view of crusher.
	
10/01/26 Crusher yard.	**10/01/26** Crusher offices.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** January 19th – 27th
	
10/01/26 Back view of crusher.	**10/01/23** Gen-set pad.
	
10/01/26 Gen-sets arriving.	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: February 2nd – 15th	Inspector(s): Robin McCall
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #3 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring-like conditions (temperature ranging between -15 and +5) snow melt in effect.	
Part 2 – Site Assessment	
Activity: - Welding, steel installation	
Site Status: - Mill, CLO, and Crusher under construction. - Ditch 2 not yet excavated. - Ditch 1 not yet lined.	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching as construction is completed	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Fuel farms and generators for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste program is being followed.	
Monitoring Frequency: Every other day	
Reporting Requirements: Every two weeks as construction continues	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** February 2nd – 15th
	
10/02/14 Front view of mill and feed bin	**10/02/14** Looking East along North side of Mill
	
10/02/14 Looking southwest along North side of CLO	**10/02/14** Laydown area East of the Mill

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** February 2nd – 15th
	
10/02/14 Front view of crusher building.	**10/02/14** Crusher office complex – notice addition of garbage and recycling bins
	
10/02/14 Crusher building and Grizzly framework	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: February 15th – March 1st, 2010	Inspector(s): Jaymie Skidmore
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #3 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Typical winter/Spring weather, temperatures ranging from 5°C to -15°C with periods of snow.	
Part 2 – Site Assessment	
Activity: - Welding and steel installation is ongoing in the Mill, CLO and Crusher buildings. - Gen-set installation is ongoing	
Site Status: - Mill, CLO, and Crusher under construction. - Ditch 2 not yet excavated. - Ditch 1 not yet lined. - Offices and construction material in the area.	
Assessed Risk: Low	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching as construction is completed	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Fuel farms and generators for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste program is being followed.	
Monitoring Frequency: Every other day	
Reporting Requirements: Every two weeks as construction continues.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** February 15th – March 1st
	
10/02/18 Gen set pad installation.	**10/02/18** Front view of mill pad.
	
10/02/18 End of conveyer mill feed bin under construction.	**10/02/18** Back view of crusher building. (conveyer inlet)

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** February 15th – March 1st
	
10/02/25 Conveyer is under construction.	**10/02/25** Pipe bridge from gen set pad to CLO building.
	
10/02/27 End conveyer mill feed bin. (front view)	**10/02/27** Gen set swap completed

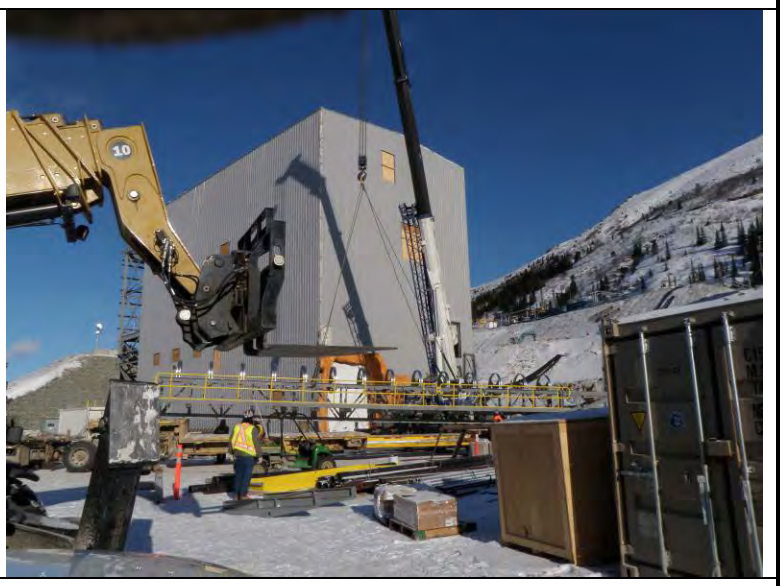
Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 3rd - March 15th , 2010	Inspector(s): Jennie Gjertsen and Robin McCall
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring-like temperature conditions, periods of snowfall and some heavy winds. Average daily temperatures ranging from -10°C to 0°C	
Part 2 – Site Assessment	
Activity: - Welding and steel installation is ongoing in the Mill, CLO and Crusher buildings. - Gen-set installation is ongoing - A 550L spill occurred March 11th on the genset pad. The contaminated material was excavated, removed, and the hole was filled in. - Conveyors are being lifted into place	
Site Status: - Mill, CLO, and Crusher under construction. - Ditch 2 not yet excavated - Hauling from ablution tanks to YZC camp STP on a daily basis	
Assessed Risk: Low	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching as construction is completed	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Fuel farms and generators for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste program is being followed.	
Monitoring Frequency: Thorough inspection at least once a week	
Reporting Requirements: Every two weeks as construction continues.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** March 3rd - March 15th, 2010
	
10/03/07 Portal area and dynamic ore stockpile (facing W)	**10/03/07** Mill Feed bin(facing NW)
	
10/03/07 Genset installation (facing SE)	**10/02/18** Glycol stored in 1000L totes

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** March 3rd - March 15th, 2010
	
10/03/07 Conveyer towers and conveyor staged for lift (facing E)	**10/03/07** Lifting conveyor into place

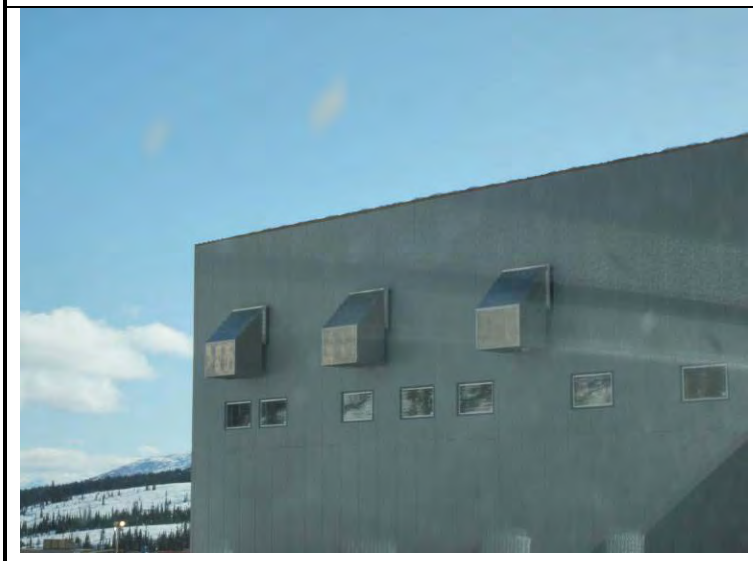
Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 16th - March 29th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 then pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring-like temperature conditions, periods of snowfall and some heavy winds. Average daily temperatures ranging from -10°C to 0°C.	
Part 2 – Site Assessment	
Activity: - Welding and steel installation is ongoing in the Mill, CLO and Crusher buildings. - Gen-set installation is ongoing - Conveyors are being lifted into place - Hydro testing started Tuesday March 23rd in the Crusher building. Water is being taken from Hawkowl creek in low volumes for this procedure.	
Site Status: - Mill, CLO, Crusher, and Conveyer under construction. - Ditch 2 not yet excavated - Hauling from ablution tanks to YZC camp STP continues	
Assessed Risk: Low	
Photos Attached: Yes (14)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching as construction is completed	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Fuel farms and generators for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste program is being followed.	
Monitoring Frequency: Thorough inspection at least once a week	
Reporting Requirements: Every two weeks as construction continues.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** March 16th - March 29th, 2010
	
10/03/17 Conveyer	10/03/17 Crusher area.
	
10/03/17 Siding onto feed bin ongoing.	10/03/16 Genset bridge to mill installed.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** March 16th - March 29th, 2010
	
10/03/16 Office windows and air vents seen here on the north east side.	10/03/16 Overview of Mill facing south.
	
10/03/16 Gen set pad.	10/03/16 Fuel Farm.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** March 16th - March 29th, 2010
	
10/03/22 Siding on the feed bin almost completed	10/03/22 Conveyer half way to feed bin. Transfer tower in background.
	
10/03/21 Arctic Power working on power line at gensets.	10/03/26 Overview of conveyer facing north. Conveyer now connected to feed bin.

Wolverine Project

Environmental Inspection Form – Photos

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** March 16th - March 29th , 2010
	
10/03/26 Conveyer into feed bin facing south.	10/03/27 Front view of the mill area.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 30th – April 12th , 2010	Inspector(s): Robin McCall
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring-like temperature conditions, periods of snowfall and some heavy winds. Average daily temperatures ranging from -5°C to 10°C.	
Part 2 – Site Assessment	
Activity: - Welding and steel installation is ongoing in the Mill, CLO and Crusher buildings. - Gen-set installation is ongoing - Installation of transfer tower with conveyors connecting it to the Mill and Crusher is ongoing	
Site Status: - Mill, CLO, Crusher, transfer tower and Conveyer under construction. - Ditch 2 not yet excavated - Hauling from ablution tanks to YZC camp STP continues on a daily basis - Runoff from snowmelt evident and erosion on south bank of mill pad starting in localized areas - 'Winter garbage' surfacing after snowmelt evident	
Assessed Risk: low (erosion of south bank a concern)	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Water control/diversion as necessary, completion of drainage ditching as construction is completed	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Once all snow has melted, commence general clean-up of IC. Monitor erosion along south bank of Mill Pad. Monitor Fuel farms and generators for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste program is being followed.	
Monitoring Frequency: Thorough inspection at least once a week	
Reporting Requirements: Every two weeks as construction continues.	

Wolverine Project

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** March 30th – April 12th , 2010
	
10/04/07 South side of CLO/Mill with feed bin and conveyor – runoff from snowmelt evident in area	10/04/07 Crusher and conveyors
	
10/04/07 South-west bank of fuel pad – erosion minimal	10/04/07 Conveyor and transfer tower

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex, Mill, CLO, Crusher	**Date:** March 30th – April 12th , 2010
	
10/04/07 North side of Crusher with Procon yard in background	10/04/07 East side of Mill – snowmelt evident and running off toward crusher pad and surface sumps
	
10/04/09 North side of Mill and CLO	10/04/09 South bank of Mill pad showing evidence of runoff, erosion and garbage left over from snowmelt

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 13th – April 26th , 2010	Inspector(s): Jaymie Skidmore
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring-like temperature conditions, periods of snowfall and some heavy winds. Average daily temperatures ranging from 10°C to 0°C.	
Part 2 – Site Assessment	
Activity: - Welding and steel installation is ongoing in the Mill, CLO and Crusher buildings. - Gen-set installation is ongoing	
Site Status: - Mill, CLO, Crusher, and Conveyer under construction. - Ditch 2 not yet excavated - Hauling from ablution tanks to YZC camp STP daily	
Assessed Risk: Low	
Photos Attached: Yes (13)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching as construction is completed, some silt fencing as ground conditions allow	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Fuel farms and generators for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste program is being followed.	
Monitoring Frequency: Thorough inspection at least once a week	
Reporting Requirements: Every two weeks as construction continues.	

Wolverine Project

Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** April 13th – April 26th , 2010
	
10/04/14 mill pad runoff down toward sumps 4 & 5	10/04/14 mill pad run off and bank erosion
	
10/03/17 Transfer Station	10/03/16 Conveyer

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Conveyer and Crusher	**Date:** April 13th – April 26th , 2010
	
10/03/16 Conveyer into feed bin from crusher	10/03/16 Crusher entrance on backside
	
Conveyor	Crusher

Wolverine Project
Environmental Inspection Form – Photos

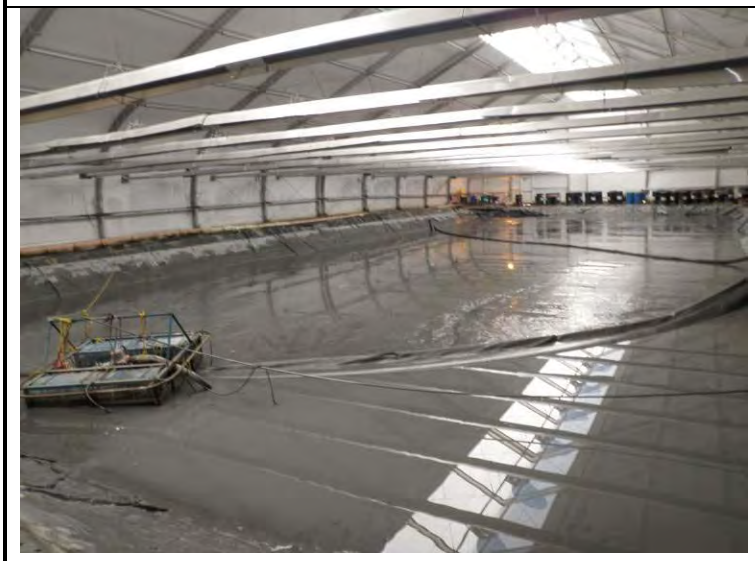
Site Name: Industrial Complex Mill, CLO, Crusher	**Date:** April 13th – April 26th , 2010
	
10/04/22 Mill building nearing completion	10/04/22 Temporary Ore pile north end
	
10/04/21 IC ditches flowing	10/03/22 Sump installed to collect spring melt near sump 3

10/04/23
Sump installed at the end of ditch 4 to capture any runoff from the dynamic ore pile and industrial complex. This water will then be pumped into ditch 4.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 27th – May 11th, 2010	Inspector(s): Jennie Gjertsen and Robin McCall
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring conditions, periods of snowfall and some rain. Average daily temperatures ranging from 0°C to 10°C.	
Part 2 – Site Assessment	
Activity: - Welding and steel installation is ongoing in the Mill, CLO and Crusher buildings. - Gen-set installation is ongoing - Diesel tank #2 drained and removed from Procon shop to cap mag road - Water management control and mitigation - Conveyors commissioning - Hydro-testing in crusher	
Site Status: - Mill, CLO, Crusher, and Conveyer under construction. - Ditch 2 not yet excavated - Hauling from ablution tanks to YZC camp STP on a daily basis - Installation of new Genset at Procon yard where Diesel Tank #2 was removed	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: Yes, several water samples of drainages around IC	
Additional Information Attached: Yes, Mill drainage sketch of sample sites and names	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching as construction is completed.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Fuel farms and generators for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste program is being followed.	
Monitoring Frequency: Thorough inspection at least once a week	
Reporting Requirements: Every two weeks as construction continues.	

Wolverine Project
Environmental Inspection Form – Photos

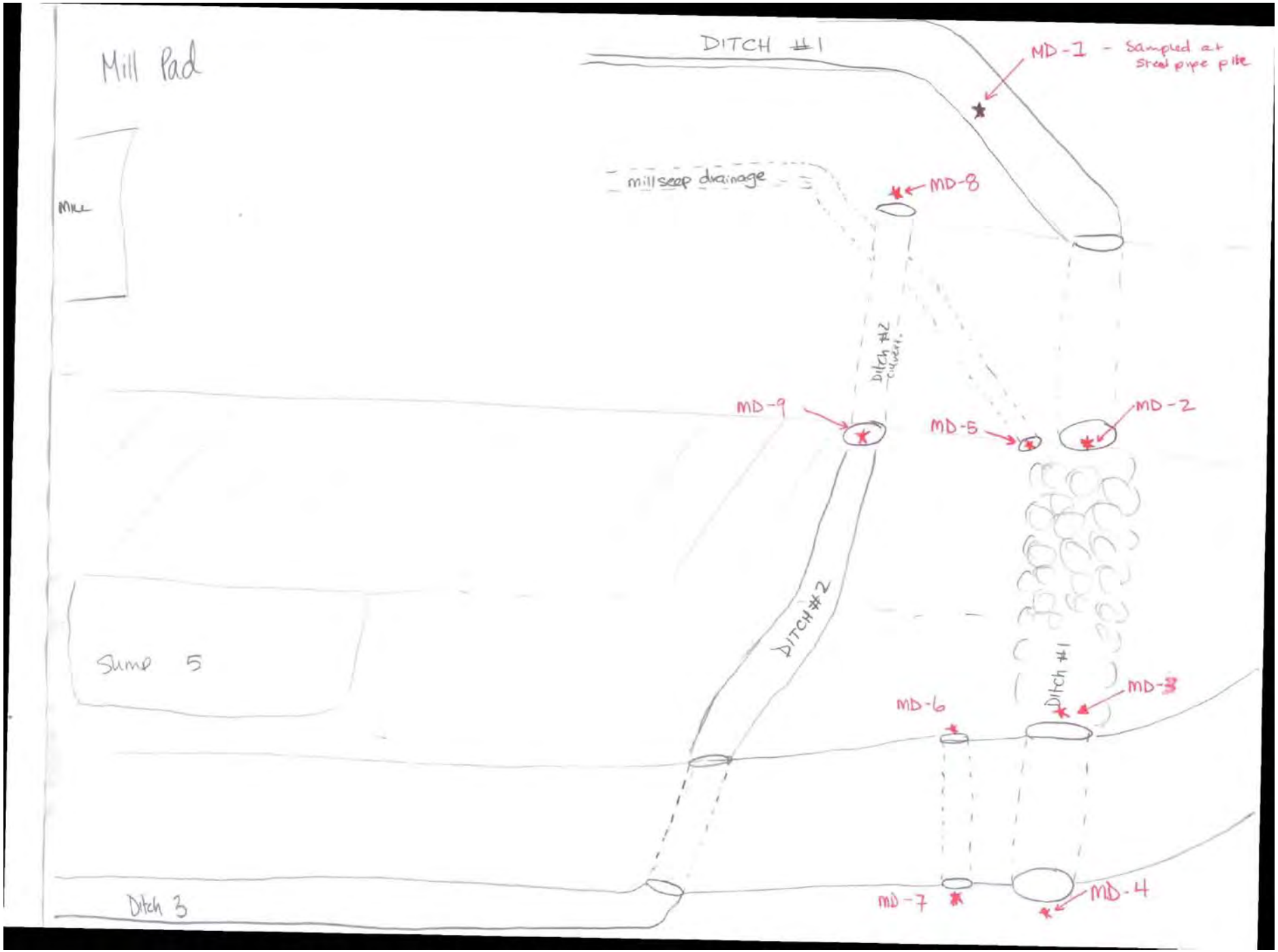
Site Name: Industrial Complex	**Date:** April 27th – May 11th, 2010
	
10/04/29 Sediment volume in sump #3, virtually no water	10/04/30 Resuming washing at wash bay
	
10/05/02 Gravel for genset install at portal	10/05/02 Tank #2 emptied and removed

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** April 27th – May 11th, 2010
	
10/04/29 Ditch 1 at Mill level, potential to receive runoff flow	10/05/02 Work on Ditch 1 at mill culvert level to divert any mill runoff flow
	
10/05/02 Swale in place to divert water to ditch 2 culvert	10/05/02 Requires silt fencing around culvert and up the ditch. Debris needs to be removed

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** April 27th – May 11th, 2010
	
10/05/09 Crusher during dry commissioning	**10/05/07 Crusher pad – water diversion under control**
	
10/05/09 Evidence of erosion along slope of Mill pad	**10/05/09 Mill pad**


Mill Pad
DITCH #1
MD-1 - Sampled at steel pipe pile
millseep drainage
MD-8
MILL
Ditch #2 culvert
MD-9
MD-5
MD-2
DITCH #2
Sump 5
Ditch #1
MD-3
MD-6
Ditch 3
MD-7
MD-4

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 25th - June 7th , 2010	Inspector(s): Robin McCall
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 0°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: - Welding and steel installation is ongoing in the Mill, CLO and Crusher buildings. - Ball Mill commissioning - Re surfacing the mill pad with crush material (contractor offices being placed in front of mill building) - Commissioning of new sections of tailings line and reclaim line - Hydrotesting in mill ongoing	
Site Status: - Mill, CLO, Crusher, and Conveyer under construction, nearing completion - Ditch 2 not yet excavated - Hauling from ablution tanks to YZC camp STP on a daily basis	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Sediment load in ditches 3 and 4 needs removed. Completion of drainage ditching as construction is completed.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor Fuel farms and generators for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste program is being followed.	
Monitoring Frequency: Thorough inspection at least once a week	
Reporting Requirements: Every two weeks as construction continues.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** May 25th - June 7th , 2010
	
10/05/31 Ablution tank gone and area cleaned up. Transfer tower complete	10/05/15 Top half of Crusher – air ducts complete and railings installed
	
10/05/30 Cigarette dispensers placed at designated smoking locations around the Mill	10/05/31Ditch 3 needing sediment removed

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 8th to June 21st ,2010	Inspector(s): Jaymie Skidmore
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 5°C to 20°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: - Applying the finishes to the Mill, CLO, and Crusher. - Excavation has started for the installation of dust bins along the north side of CLO. - A rock wall has being built to extend the road to accommodate the size of the ore trucks turning into the CLO.	
Site Status: - Mill, CLO, and Crusher have been completed, concentrate has been produced as a demo - Gen-set installation complete and energized - Ditch 2 not yet excavated - Hauling from office ablution tanks to YZC camp STP on a daily basis	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching as construction is completed.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor fuel farm and gen-sets for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste disposal/storage program is being followed for all waste produced by the gen-sets. Monitor IC ditches following completion of construction	
Monitoring Frequency: Thorough inspection at least once a week	
Reporting Requirements: Every two weeks as operations continue.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** June 8th to June 21st ,2010
	
10/06/09 Snow fence installed around sumps 4 and 5.	**10/06/09** Geo tech used for erosion control due to cuts in the bank of the mill pad.
	
10/06/09 Crusher area has been cleared out and cleaned up. 90% construction is complete in this area. Some resurfacing has started.	**10/06/09** Mill building under construction. Installation of conveyer complete.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** June 9th to June 21st ,2010
	
10/06/09 Portal area organized and clean.	**10/06/09** Portal area organized and clean.
	
10/06/09 The grade of the lower bypass road has been run down and has caused sediment to build up in ditch 3.	**10/06/15** Excavating behind CLO building.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** June 9th to June 21st ,2010
	
10/06/16 Thickener.	**10/06/16** Conveyers between CLO and Mill.
	
10/06/16 Lime silo.	**10/06/16** Building a rock wall to extend the road to accommodate the size of the ore trucks turning into the CLO.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 22nd - July 5th ,2010	Inspector(s): Robin McCall
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 5°C to 20°C. Mostly overcast and raining.	
Part 2 – Site Assessment	
Activity: - Applying the finishes to the Mill, CLO, and Crusher. - Excavation efforts continue on North side of Mill and CLO to accommodate 'entrance platforms', and a foundation for installation of a stair tower. - Overall grading of Mill pad to favour runoff flow toward Ditch 5, located on West side of CLO - Removal of outhouse at Portal and backfilling/capping of hole - Grading and drainage ditching of crusher pad to divert runoff water into sump 2 - Construction of ditch to divert water sourced from the Mill/CLO (via Ditch 5 and down through a culvert) to sump 2	
Site Status: - Mill, CLO, and Crusher have been completed, concentrate has been produced - Gen-set installation complete and energized - Ditch 2 not yet excavated - Hauling from office ablution tanks to YZC camp STP on a daily basis	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching on Mill Pad and Crusher Pad.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor fuel farm and gen-sets for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage handles. Ensure the waste disposal/storage program is being followed for all waste produced by the gen-sets. Monitor IC ditches following completion of construction	
Monitoring Frequency: Thorough inspection at least once a week	
Reporting Requirements: Every two weeks as operations continue.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** June 22nd to July 5th ,2010
	
10/06/30 Removal of “Big Red”, the outhouse at the Portal.	**10/06/30** Back-filling of outhouse excavation
	
10/06/30 Area where outhouse used to be capped off using crushed rock	**10/06/27** Material excavated at crusher pad to final grade

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** June 22nd to July 5th ,2010
	
10/07/01 Resurfacing of Crusher Pad to favour runoff flow toward sump 2. Swale to be constructed that will divert runoff to small ditch behind sump 2.	**10/07/02** Construction of a swale on Crusher pad to divert water runoff sourced from the Mill Pad (Ditch 5) into Sump 2
	
10/07/04 Installation of rocks below culvert to dissipate flow energy and ¾" stone along ditch to reduce sediment load entering sump 2	**10/07/04** Water sourced from Mill Pad (Ditch 5) running into sump 2

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** June 22nd to July 5th ,2010
	
10/07/04 Excavation on North side of Mill. Overall Grade of Mill Pad will favour flow toward Ditch 5, located on West side of CLO.	**10/07/04** Prep work for construction of entrance way into Mill on North side
	
10/07/04 Deep excavation on North side of Mill to prepare for construction of a foundation for the stair tower	**10/07/05** Installation of Bag House for dust collection

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: July 6th - July 19th ,2010	Inspector(s): Jaymie Skidmore
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Summer weather conditions, daily temperature averages to date range from 5°C to 20°C. Mostly overcast with some sun and rain.	
Part 2 – Site Assessment	
Activity: - Applying the finishes to the Mill, CLO, and Crusher. Installation of dust bins outside north side of CLO - Excavation efforts continue on North side of Mill and CLO to accommodate 'entrance platforms', and a foundation for installation of a stair tower. - Construction of ditch to divert water sourced from the Mill/CLO (via Ditch 5 and down through a culvert) to sump 2 - Fire Water lines being installed - Ditching around temp ore pile - Ditch 5 excavation started	
Site Status: - Mill, CLO, and Crusher buildings have been 90 % completed - Gen-set installation complete and energized - Ditch 2 not yet excavated - Hauling from office ablution tanks to YZC camp STP on a daily basis - Ditch 5 excavated.	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching on Mill Pad and Crusher Pad.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor fuel farm and gen-sets for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage containers. Ensure the waste disposal/storage program is being followed for all waste produced by the gen-sets. Monitor IC ditches following completion of construction	
Monitoring Frequency: Thorough inspection at least once a week. Daily during construction.	
Reporting Requirements: Every two weeks as operations continue.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** July 6th - July 19th ,2010
	
10/07/08 Crusher Building	**10/07/08 Transfer Tower**
	
10/07/08 Front view of Mill building	**10/07/08 North east side of mill building**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** July 6th - July 19th ,2010
	
10/07/08 West side of mill	**10/07/08 West side of mill**
	
10/07/08 North side of CLO	**10/07/08 North side of CLO**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** July 6th - July 19th ,2010
	
10/07/08 East side of CLO	**10/07/08 Gen-sets pad and fuel farm**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: July 20th to August 2nd, 2010	Inspector(s): Robin McCall and Jennie Gjertsen
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Heavy rains at the beginning of the period, mostly sunny and very dry for the majority, daily temperatures average from 5°C to 25°C.	
Part 2 – Site Assessment	
Activity: - Excavation for aprons around CLO and Mill - Installation of glycol lines from gensets down to crusher - Mill and crusher test runs - Excavation for concrete sump at fueling station - Installation of fire line to proposed assay lab on mill pad - Decommissioning and removal of construction offices and trailers	
Site Status: - Construction almost complete around Mill, CLO, crusher	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching on Mill Pad	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor fuel farm and gen-sets for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage containers. Ensure the waste disposal/storage program is being followed for all waste produced by the gen-sets. Monitor IC ditches following completion of construction	
Monitoring Frequency: Thorough inspection at least once a week. Daily during construction.	
Reporting Requirements: Every two weeks as construction and commissioning continues.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** July 20th to August 2nd, 2010
	
10/07/25 Glycol line install to Crusher Building	**10/07/25** Glycol line install to Crusher Building
	
10/08/01 Mill pad – facing W	**10/08/01** Excavation of fire water line on mill pad

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** July 20th to August 2nd, 2010
	
10/08/02 Excavation of sump at fueling station	**10/08/02** Tank 863, small leak from gasket, needs to be fixed
	
10/08/02 Fire water line installation (facing S)	**10/08/02** Ditch 1 seeding from 2009 showing some success (facing S)

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: August 3rd to August 16th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Mostly sunny and very dry for the majority, daily temperatures average from 5°C to 25°C.	
Part 2 – Site Assessment	
Activity: - Excavation for aprons around CLO and Mill - Installation of glycol lines from gen-sets down to crusher - Mill and crusher test runs - Concrete poured for sump at fueling station - Excavation for fire line to proposed assay lab on mill pad complete installation to follow - Decommissioning and removal of construction offices and trailers is ongoing - Excavation of Ditch 5	
Site Status: - Construction almost complete around Mill, CLO, crusher	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Completion of drainage ditching on Mill Pad, slope control	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor fuel farm and gen-sets for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage containers. Ensure the waste disposal/storage program is being followed for all waste produced by the gen-sets. Monitor IC ditches following completion of construction	
Monitoring Frequency: Thorough inspection at least once a week. Daily during construction.	
Reporting Requirements: Every two weeks as construction and commissioning continues.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** August 3rd to August 16th, 2010
	
10/08/03 Excavation to install fire water line on east side of mill building.	**10/08/03** Fire water lines to be installed East side of mill building.
	
10/08/03 Collection sump being installed at fuel farm to collect any diesel spills in area.	**10/08/05** Collection sump installation ongoing concrete poured.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** August 3rd to August 16th, 2010
	
10/08/03 Ongoing construction along north side of mill building of various types.	**10/08/05** Excavation of Ditch has begun.
	
10/08/10 Preparing pad to be resurfaced	**10/08/16** North side of mill and CLO pad resurfaced with gravel and graded according to drainage**.**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: September 26th – September 30th ,2010	Inspector(s): Jaymie Skidmore
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Fall weather consisting of rain and snow. Average daily temperature 0°C.	
Part 2 – Site Assessment	
Activity: - Assay lab excavation and footings ongoing - Final hook ups and charging the fire water lines - Glycol lines have been flushed and filled - The crushing and milling of the temporary ore pile is ongoing - Excavating a pad at the fuel storage for 5 additional gen-sets (Procon) - Mill and CLO trimmings - Cyanide sea-can has been placed on a pad and bermed on the north side of the mill	
Site Status: - Final construction and testing of equipment is ongoing - Cyanide sea-can has been placed at North side of Mill.	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Ditching and drainage will continue to be improved upon in the following year.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor fuel farm and gen-sets for leaks/spills. Ensure that site services are regularly emptying the fuel nozzle storage containers. Ensure the waste disposal/storage program is being followed for all waste produced by the gen-sets. Monitor IC ditches as weather changes.	
Monitoring Frequency: Thorough inspection at least once a week.	
Reporting Requirements: As conditions require.	

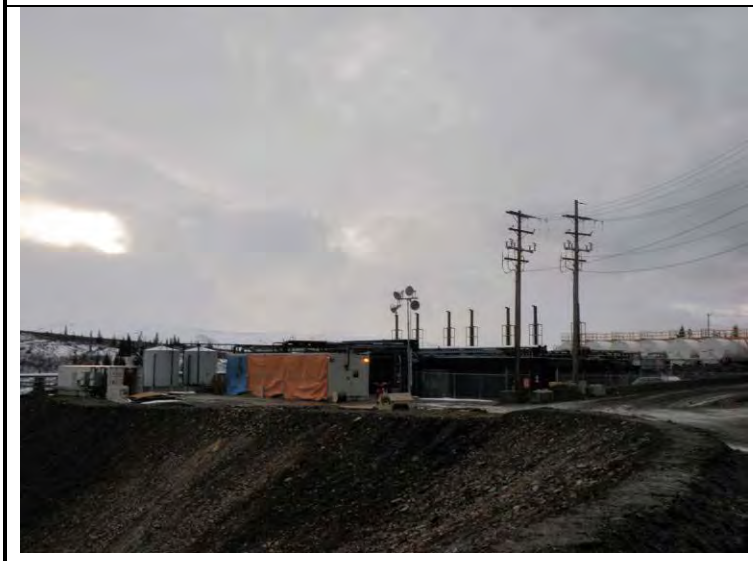
Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** September 26th – September 30th ,2010
	
10/09/26 East side of the mill building.	**10/09/26** South side of the Mill building.
	
10/09/26 Assay lab excavation.	**10/09/26** Temporary offices on mill pad.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** September 26th – September 30th ,2010
	
10/09/26 Temporary sumps #4 and #5.	**10/09/26** IC Ditch # 3 collected runoff from mill.
	
10/09/29 North side of the mill.	**10/09/29** Cyanide sea-can placed on north side of mill. Bermed.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** September 26th – September 30th ,2010
	
10/09/29 Mill pad Gen-sets	**10/09/29** Mill Pad fuel farm
	
10/09/29 Gen-sets on fuel farm pad for Portal area. Gen sets are bermed and lined with enviroliner.	**10/09/29** North side view of the CLO building**.**

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: October 5th to 19th, 2010	Inspector(s): Robin McCall
Site Name: Industrial Complex (IC)	Location/Co-ordinates: Industrial complex
Site Location Description: The industrial complex at the Wolverine site is situated between Km 27.5 and Km 29 on the access road. The area primarily falls within the Wolverine watershed. Collection ditches are built around the entire complex to contain any surface water runoff that comes in contact with material that could contaminate the water, and directs it to the water treatment sump #2 or pumped directly to tailings where it will be tested and treated if required. IC Ditch #1 is used to collect and divert a source of the headwaters of Wolverine creek and divert it around the IC and deposit it into its natural path. The IC is situated in a mostly pre disturbed area; tree removal, grubbing, organic and overburden removal was completed to prepare site for infrastructure.	
Weather Conditions: Late fall conditions, snow fall.	
Part 2 – Site Assessment	
Activity: - Tree removal, stripping and excavation of material in preparation of a pad for the Truck Shop on top of the hill directly NE of Sump 3. Organics and excavated material being transported to the overburden pile located just NW of Vent raise. - Installation of rebar with flagging to help guide grader during snow removal over the winter period and avoid cutting into lined IC Ditches 3 and 4 - Reduction of Temporary Ore Stockpile at NE end of the IC as the ore used to commission the Mill	
Site Status: - Excavation of Truck Shop pad underway - Installation of rebar complete - Use of ore from Temporary Ore Stockpile continues	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor excavation and grading of pad and provide guidance where necessary.	
Monitoring Frequency: Thorough inspection at least once a week.	
Reporting Requirements: As required.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Industrial Complex	**Date:** October 5th to 19th, 2010
	
10/10/13 Excavation of organics and material on future Truck Shop pad	**10/10/13** Excavation of material underway
	
10/10/13 Looking NE along IC Ditch 3 showing flagged rebar to indicate boundary of lined ditch	**10/10/13** Temporary Ore Stockpile being diminished as Mill is commissioned.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: January 12th – 19th , 2010	Inspector(s): Billie Maje
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Typical winter weather conditions, temperature ranging from -10°C to -30°C with snow.	
Part 2 – Site Assessment	
Activity: Ongoing waste management program.	
Site Status: - Awaiting burn permit to open burn construction waste. - Landfill cell has a few household garbage bags in it, no food was noticed.	
Assessed Risk: Low	
Photos Attached: Yes (2)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None.	
Mitigation Condition: Good.	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing	
Monitoring Frequency: Daily.	
Reporting Requirements: Every two weeks.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** January 12th – 19th
	
10/01/13 Construction waste to be burned.	**10/01/13** Household garbage in land cell.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: January 20th – 27th , 2010	Inspector(s): Jaymie Skidmore
Site Name: Landfill	Location/Co-ordinates: Km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Typical winter weather conditions, temperature ranging from -10°C to -30°C with snow.	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program - Construction waste was open-burned - Area cleared out for storage beside wash bay - Electrical shack being built near the incinerator - Fire extinguisher training set up by incinerator - Snow clearing	
Site Status: - Burn permit was received, and construction waste pile has been burned. Oil filters to be burned.	
Assessed Risk: Low	
Photos Attached: Yes (16)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None	
Mitigation Condition: N/A	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Ongoing	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** January 19th – 27th
	
10/01/20 Fire extinguisher training burn pit.	10/01/24 Pile of construction waste to be burned.
	
10/01/25 Burn pile #1 ignited.	10/01/25 Two piles to be burned.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** January 19th – 27th
	
10/01/26 Burn pile #1 after burning overnight.	10/01/26 Burn pile #1.
	
10/01/27 Burn pile #1 done and cleaned up.	10/01/26 Burn pile #2 being ignited.

Site Name: Landfill	**Date:** January 19th – 27th
	
10/01/26 Burn pile #2.	10/01/26 Burn pile #2 after burning all day.
	
10/01/27 Burn pile #2 after burning over night.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** January 19th – 29th
	
10/01/29 Burn pile #1 cleaned up 100%.	10/01/29 Burn pile #2 finished burning.
	
10/01/29 Burn pile #2 being cleaned up.	10/01/29 Burn pile debris/ash is put into landfill.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** January 20th – 27th
	
10/01/20 Oil filters to be burned in the incinerator.	10/01/26 Snow being cleared.
	
10/01/23 Electrical shack being built to supply power to landfill area.	10/01/27 Storage area cleared out beside the wash bay.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: February 2nd - 15th, 2010	Inspector(s): Melissa Kirby and Robin McCall
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Typical winter weather conditions, temperature ranging from -2°C to -20°C with snow.	
Part 2 – Site Assessment	
Activity: Ongoing waste management program.	
Site Status: - Incinerator area looks well maintained - Sign for wood/metal areas fallen down, needs to be repaired and stabilized - Wooden crate (painted "Garbage") left in wood storage area, mixed garbage (plastics, drink bottles and boxes, metals, aerosols, etc.) – at least 15-20 ravens rummaging around	
Assessed Risk: Med	
Photos Attached: Yes (4)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Wood/Metal sign to be repaired, garbage crate to be cleaned up, contractors to be notified of proper waste management protocols.	
Mitigation Condition: Site services notified about sign and conditions, "Garbage crate" removed, Robin preparing one page overview of waste management for contractors.	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: See if conditions improve	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	Date: February 2nd – 15th
	
10/02/05 Wood/Metal location sign stood back up, but needs stabilization.	**10/02/05 "Garbage" crate left in wood area, attracting wildlife (15-20 ravens spotted).**
	
10/02/05 "Garbage" crate full of mixed waste.	**10/02/08 "Garbage" cleaned up and replaced with new pile of construction waste for burning.**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	Date: February 2nd – 15th
	
10/02/12 Wood/Metal location sign stabilized.	10/02/12 Wood only brought up to burn pit. No Raven in sight.
	
10/02/13 Incinerator area tidy	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: February 16th – March 1st, 2010	Inspector(s): Jaymie Skidmore
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Winter/spring weather conditions, temperature ranging from 5°C to -20°C with light snow. Note: The warm weather conditions this winter may cause animals to become active earlier than usual.	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program by incineration, open pit burning, and storage. - A new burn permit has been approved for unlimited burning of wood and plastic waste.	
Site Status: - Incinerator area looks well maintained. - Burn pit area has excess scrap metal and ashes. - ~ 7 Ravens are hanging around in the area.	
Assessed Risk: Low	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Ashes in burn pit need to be put in cell. Steel left in burn pile need to be put in steel pile.	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** February 15th – March 2nd
	
10/02/18 Fire extinguisher training contaminated snow to be cleared.	10/02/18 Contaminated snow waiting to be incinerated.
	
10/02/18 All oil filters have been incinerated.	10/02/18 Landfill cell is approximately half full.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** February 15th – March 2nd
	
10/02/18 Steel storage area is kept clean.	**10/02/18** Burn pit.
	
10/02/18 Tire storage area. (tires covered under snow)	**10/02/18** Burnable material waste pile.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** February 15th – March 2nd
	
10/02/27 Burning construction waste.	**10/02/27** Steel from burn pit and excess ashes in pit.
	
10/02/27 Cell has been compacted and is half full.	**10/02/27** Cell is free of animal attractants.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 2nd – March 15th, 2010	Inspector(s): Jennie Gjertsen and Robin McCall
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Spring-like temperature conditions, periods of snowfall and some heavy winds. Average daily temperatures ranging from -10°C to 0°C	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Continue work on electrical in sea-can for eventual power line hook-up - Fewer ravens seen in the area this period - Incinerator went down March 15th, looking for parts to re-commission	
Site Status: - Incinerator area clean and free of animal attractants - Burn pit area has excess scrap metal and ashes - 6 waste containers full of antifreeze contaminated material have been moved to the incinerator area from the March 11th antifreeze spill. Contents to be incinerated. No sampling required.	
Assessed Risk: Low	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps. Bin of 12V batteries need to be covered with a tarp or plywood	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** March 2nd – March 15th
	
10/03/04 Open burning of construction waste	10/03/05 Powerline setup in the landfill site
	
10/03/05 Clean and organised incinerator area, Batteries in tote need to be covered	10/03/07 Some domestic garbage in with construction waste. Needs to be removed

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** March 2nd – March 15th
	
10/03/08 Workers cleaning and sorting construction waste pile	10/03/15 Open burn area
	
10/03/15 Landfill cell – no domestic waste	10/03/15 Bins containing antifreeze contaminated soil

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 16th – March 29th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Spring-like temperature conditions, periods of snowfall and some heavy winds. Average daily temperatures ranging from -10°C to 0°C	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Continue work on electrical in sea-can for eventual power line hook-up - 7 Ravens seen in the area this period - Incinerator repaired March 18th. Catching up on incinerating trash.	
Site Status: - Incinerator area clean and free of animal attractants - Burn pit area has excess scrap metal and ashes - 6 waste containers full of antifreeze contaminated material have been moved to the incinerator area from the March 11th antifreeze spill.	
Assessed Risk: Low	
Photos Attached: Yes (12)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** March 16th – March 29th
	
10/03/18 Burn pit almost full of ash.	10/03/18 Pile of burnable waste.
	
10/03/22 Burn pit filled with ash and scrap metal.	10/03/22 Burnable material needs to be consolidated

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** March 16th – March 29th
	
10/03/23 Permanent light installed to replace light tower.	10/03/23 Rubber waste placed in wood burn pile to be removed and incinerated.
	
10/03/23 Steel waste in wood burn pile to be removed and placed in steel storage pile.	10/03/23 Steel to be removed from burn pile and placed in steel storage pile.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** March 16th – March 29th
	
10/03/25 Steel removed from burn pile.	10/03/25 Waste to be incinerated was removed from burn pile.
	
10/03/27 Burn pit area cleaned up.	10/03/27 Burn pit ashes cleaned out and landfilled.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 30th – April 12th, 2010	Inspector(s): Robin McCall
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Spring temperature conditions, periods of snowfall and some heavy winds. Average daily temperatures ranging from -5°C to 10°C	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage	
Site Status: - Incinerator area clean and free of animal attractants - Landfill cell 2/3 full - Burn pit area being used daily	
Assessed Risk: Low	
Photos Attached: Yes (4)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** March 30th – April 12th, 2010
	
10/04/8 Burn pile (separate pile of bucked trees at far right)	10/04/8 Closer look at burn pile – no wildlife attractants evident
	
10/04/08 Steel and tire piles – very tidy	10/04/12 Landfill cell

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 13th – April 26th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Spring-like temperature conditions, periods of snowfall and some heavy winds. Average daily temperatures ranging from 0°C to 10°C	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Spring cleaning in affect around incinerator. - Spill kits to be painted and moved to a more visible place. - Debris in and around burn pit to be cleaned up as snow melts	
Site Status: - Incinerator area clean and free of animal attractants - Landfill 1/2 full - Burn pit area being used daily - Steel storage is increasing significantly	
Assessed Risk: Low	
Photos Attached: Yes (10)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks.	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** April13th – April 26th ,2010
	
10/04/17 burn pile of construction waste only	10/04/17 Steel storage is growing
	
10/04/17 As snow melts debris is showing up which will be cleaned up	10/04/17 As snow melts debris is showing up which will be cleaned up

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** April 13th – April 26th, 2010
	
10/04/19 Area to be cleaned up	10/04/19 Removing all pallets and old soiled oil pad
	
10/04/19 Removing all contaminated soil that may have leaked from oil storage containers	10/04/19 New clean pad under oil storage barrels which are also on pallets

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** April 13th – April 26th, 2010
	
10/04/23 Burn pit culvert will be used from now on	10/04/23 Aerosol storage container filling

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 27th – May 10th, 2010	Inspector(s): Jennie Gjertsen and Robin McCall
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Spring conditions, periods of snowfall and rainfall. Average daily temperatures ranging from 0°C to 10°C	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Incineration not in operation from April 27th – May 8, required replacement part - Open burning of domestic wastes so that long term storage does not become an animal attractant - Commissioning of electric bear fence, with some ongoing maintenance - Aerosol can puncturing device on order to reduce storage - Wood waste pile increasing – requires open burn when weather becomes more 'wet' - Signage damaged from weather – needs replaced	
Site Status: - Incinerator area clean and free of animal attractants - Landfill 1/2 full - Burn pit area being used daily	
Assessed Risk: Low	
Photos Attached: Yes (2)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps. Open burn to be kept in culvert as much as possible as drier conditions progress.	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks. Daily incinerator reports	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** April 27th – May 10th, 2010
	
10/05/10 burn pile of plastic and wood only	10/05/10 Signage damage

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 11th - May 24th , 2010	Inspector(s): Jaymie Skidmore
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 5°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Incinerator is up and running - A box to store batteries in has been placed by the aerosol container for convenient use. - A spring clean up is ongoing - New burn pit dug, use of culvert no longer feasible	
Site Status: - Incinerator area clean and free of animal attractants - Landfill 1/2 full - Open pit burning ongoing until construction is complete	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps. Open burn to be monitored closely in dry conditions	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks. Daily incinerator reports	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** May 11th - May 24th , 2010
	
10/05/12 Arctic Power installing power lines	10/05/12 A battery box placed at landfill
	
10/05/12 Open burns are ongoing	10/05/14 Spring cleaning looks great!

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** May 11th - May 24th , 2010
	
10/05/14 All the scraps cleaned up around burn pit.	**10/05/14** Crew cleaning up garbage around landfill.
	
10/05/17 Burn pit needs to be replaced	**10/05/18** New burn pit with safety berm

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 25th - June 7th , 2010	Inspector(s): Robin McCall
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Spring/summer weather conditions, daily temperature averages to date range from 0°C to 15°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Incinerator broke down on June 1st, and therefore, all domestic waste was open burned since during the period since. A replacement part is expected to arrive within next 2 weeks. - . Household garbage was found at back of wood stockpile – workers were informed immediately to clean-up this garbage and burn to avoid potential animal attraction.	
Site Status: - Incinerator area clean and free of animal attractants - Landfill 1/2 full - Open pit burning ongoing until incinerator part is received	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps Open burn to be monitored closely in dry conditions	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks. Daily incinerator reports	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** May 25th - June 7th , 2010
	
10/05/29 Culvert removed and bermed pit used for open burning	10/05/29 Household garbage found at back of wood waste pile
	
10/06/02 Wood pile without household garbage	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 8th to June 21st, 2010	Inspector(s): Jaymie Skidmore
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Summer weather conditions, daily temperatures range from 5°C to 20°C. Mostly sunny with periods of rainfall.	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Large open burns have been continued only under safe conditions - Incinerator is down and awaiting parts (Approx. 30-40 bags of household waste being burned in the pit daily) Up and running as of June 18th - Sample taken of the anti-freeze contaminated soil located at the incinerator - Construction debris being burned during safe conditions - Battery box is full needs to be placed at special waste pad (SWP) and new one placed at landfill - Ash from the burn piles dumped into cell 1. - Cell 1 will have an earth cover placed over waste	
Site Status: - Incinerator area clean and free of animal attractants. Bear fence in place - Cell 1 almost full and partially to be buried - Steel pile growing daily - Construction waste is open burned daily	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps. Open burn to be monitored closely in dry conditions	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks. Daily incinerator reports	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** June 9th to June 21st , 2010
	
10/06/09 Burn pit. Being use to burn domestic waste while the incinerator is down.	**10/06/09** Large construction waste pile needs to be burned when conditions are safe.
	
10/06/14 Battery box is full needs to be replaced.	**10/06/14** Shack placed at landfill from airstrip.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** June 9th to June 21st , 2010
	
10/06/14 Incinerator is down.	**10/06/15** Cubes placed at burn pit need to be moved to storage area.
	
10/06/16 Monitoring a burn at the open burn pit.	**10/06/20** New battery box.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** June 9th to June 21st , 2010
	
10/06/20 Earth cover over cell 1.	**10/06/20** Burn pit area clean.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 22nd to July 5th , 2010	Inspector(s): Robin McCall
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Summer weather conditions, daily temperatures range from 5°C to 20°C. Mostly overcast with periods of heavy rainfall.	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Large open burns have been continued only under safe conditions - Sample taken of the anti-freeze contaminated soil located at the incinerator - Construction debris being burned during safe conditions - Ash from the burn piles dumped into cell 1. - A section of Cell 1 have been backfilled with earth/soil	
Site Status: - Incinerator area clean and free of animal attractants. Bear fence in place - Cell 1 to be buried partially - Steel pile growing daily - Construction waste is open burned daily	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps. Open burn to be monitored closely in dry conditions	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks. Daily incinerator reports	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** June 22nd to July 5th , 2010
	
Portion of Cell 1 covered with earth/soil	All construction waste has been burned daily. Area clear of animal attractants.
	
Drums of waste fuel to be transported to Special Waste Pad	New battery box placed at Landfill

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: July 6th to July 19th , 2010	Inspector(s): Jaymie Skidmore
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Summer weather conditions, daily temperatures range from 5°C to 20°C. Mostly overcast with periods of sunshine and light rainfall.	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Construction debris being burned during safe conditions - Site organisation and cleanup ongoing daily	
Site Status: - Incinerator area clean and free of animal attractants. Bear fence in place - Cell 1 partially buried - Steel pile growing daily - Construction waste is open burned daily	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps. Open burn to be monitored closely	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks. Daily incinerator reports	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** July 6th to July 20th , 2010
	
10/07/07 Incinerator area is clean and organised.	**10/07/07** Landfill area is clean and organised.
	
10/07/07 Burn pit area has been cleaned.	**10/07/07** Steel and metal storage area is clean.

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** July 6th to July 19th , 2010
	
10/07/16 Storage shack placed at incinerator.	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: July 20th to August 2nd, 2010	Inspector(s): Robin McCall and Jennie Gjertsen
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Heavy rains at the beginning of the period, mostly sunny and very dry for the majority, daily temperatures average from 5°C to 25°C.	
Part 2 – Site Assessment	
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Construction debris being burned during safe conditions - Site organisation and cleanup ongoing daily -	
Site Status: - Incinerator area clean and free of animal attractants. Bear fence has been repaired. - Steel pile needs to be sorted as time and equipment permits - Construction waste is open burned daily	
Assessed Risk: Low	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps. Open burn to be monitored closely as conditions are very dry. Need to develop long term plan for area	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: ongoing, monitor for non-compliance with permits	
Monitoring Frequency: Daily	
Reporting Requirements: Every two weeks. Daily incinerator reports to be filled out by operators	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Landfill	**Date:** July 20th to August 2nd, 2010
	
10/07/26 Buckets to be disposed of in proper location, contents to be disposed of	**10/07/26** Steel pile needs to be sorted and organised

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: September 28th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Landfill	Location/Co-ordinates: km 26.2
Site Location Description: Lower landfill area is approximately 200m by 200m. The lower landfill area comprises the incinerator and the landfill cells, and is surrounded by an electric bear fence. The upper landfill area is contains the recyclable material stockpiles, as well as an area for open burning of construction material. Moss, lichen and willows are the most common vegetation with some small spruce trees. A seasonal spring is located at the entrance to the landfill (to the west), Go creek is located 100m south.	
Weather Conditions: Fall weather consisting of rain and snow. Average daily temperature 0°C.	

Part 2 – Site Assessment
Activity: - Ongoing waste management program including; incineration, open pit burning, and storage - Construction debris being burned during safe conditions only - Site organisation and cleanup ongoing daily - Metal and ashes removed from burn pit, metal placed in metal pile ashes in landfill
Site Status: - Incinerator area clean and free of animal attractants. - Steel pile needs to be sorted as time and equipment permits - Construction waste is open burned daily - Burn pit area clean of all debris
Assessed Risk: Low
Photos Attached: No
Samples Taken: No
Additional Information Attached: No

Part 3 –Mitigation Requirements
Mitigation Required: Continue efforts to inform contractors of waste management information, workers to sort garbage until no domestic waste can be seen in construction waste dumps. Open burn to be monitored closely as conditions are very dry. Need to develop long term plan for area. Double walled gas tank to be installed.
Mitigation Condition: Good

Part 4 –Monitoring Requirements
Follow-up Monitoring: Monitor for non-compliance with permits daily
Monitoring Frequency: Daily
Reporting Requirements: A separate daily monitoring checklist has been produced and future environmental monitoring reports will be done as conditions require.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: February 25th – March 2nd ,2010	Inspector(s): Jaymie Skidmore
Site Name: Power line	Location/Co-ordinates: Mill Gen-set pad to Tailings Facility.
Site Location Description: The area cleared is approximately 4km long and 5 meters wide. It consists of spruce trees, willows and light organic material. The power line will cross over Go creek at km 26. A large portion on the route has previously been disturbed. The purpose of the power line is to supply power from the Gen-sets located in the industrial area to the tailings treatment facility.	
Weather Conditions: Winter/Spring weather, temperatures ranging from 5°C to -20°C with periods of snow.	
Part 2 – Site Assessment	
Status: -Route is cleared from mill site gen-set pad through the trees above YZC camp to km 27 onto old road where it continues down until 26.2 where it crosses new access road and starts to run along south side of road then along airstrip below arctic camp then crossing over at 25.2 until it reaches the Tailings pond. Clearing 100% completed. Power poles are 100% erect from gen set pad along to tailings facility.	
Activity: -The power lines are approx. 70% installed. -Arctic Power has returned to site to complete the installation of the power line. - A few trees have been cleared at ~ KM 26.3 for safer access to poles.	
Assessed Risk: Low	
Photos Attached: Yes (8)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required:	
Mitigation Condition:	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Ongoing during construction.	
Monitoring Frequency: Daily	
Reporting Requirements: As built	

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Power line	**Date:** February 25th – March 2nd ,2010
	
10/02/25 Arctic Power has returned to site.	**10/02/25** Clearing path to power poles.
	
10/02/27 Worker stringing line along.	**10/02/27** Cable installation started here on the old road at km 26.2.

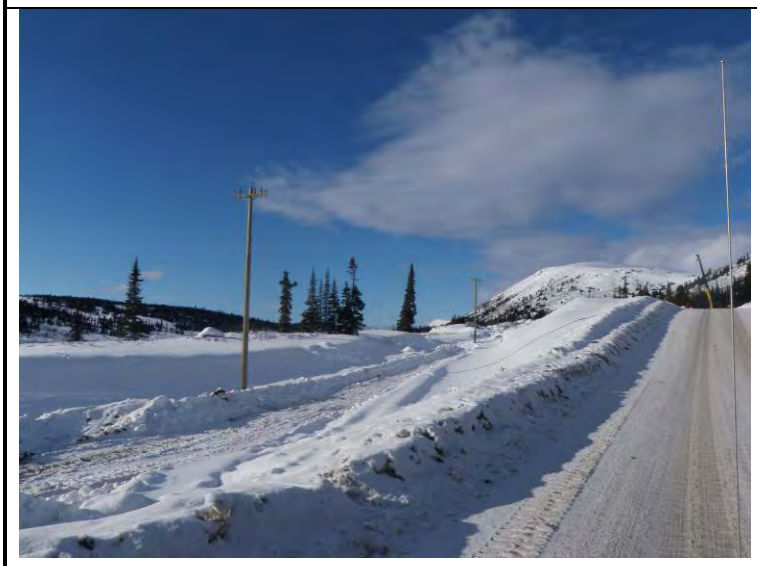
Wolverine Project
Environmental Inspection Form – Photos

Project Name: Power line	**Date:** February 25th – March 2nd ,2010
	
10/02/27 KM 25.8 facing south	**10/02/28** Km 26.1 facing south
	
10/02/28 Gen set sea can is located at the south end of pond above the dam.	**10/02/28** Last power pole located at the south west side of tailings pond.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 2nd – March 15th, 2010	Inspector(s): Jennie Gjertsen
Site Name: Power line	Location/Co-ordinates: Mill Gen-set pad to Tailings Facility.
Site Location Description: The area cleared is approximately 4km long and 5 meters wide. It consists of spruce trees, willows and light organic material. The power line will cross over Go creek at km 26. A large portion on the route has previously been disturbed. The purpose of the power line is to supply power from the Gen-sets located in the industrial area to the tailings treatment facility, and to other facilities along that route.	
Weather Conditions: Spring like weather conditions, average daily temperatures range form 0°C to -10°C	
Part 2 – Site Assessment	
Activity: - Power line stringing is ongoing	
Status: Work is ongoing	
Assessed Risk: Low	
Photos Attached: Yes (4)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: some trees have been felled into the old Go Creek channel at Km 26 and need to be removed before freshet	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Ongoing during construction.	
Monitoring Frequency: weekly	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Power line	**Date:** March 2nd – March 15th, 2010
	
10/03/02 Stringing power lines at 26.2 (facing N)	**10/03/05** Lines strung into the landfilll
	
10/03/06 Recently cleared area at K26.2	**10/03/07** Erecting powerline pole at Gensets

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: March 16th – March 27th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Power line	Location/Co-ordinates: Mill Gen-set pad to Tailings Facility.
Site Location Description: The area cleared is approximately 4km long and 5 meters wide. It consists of spruce trees, willows and light organic material. The power line will cross over Go creek at km 26. A large portion on the route has previously been disturbed. The purpose of the power line is to supply power from the Gen-sets located in the industrial area to the tailings treatment facility, and to other facilities along that route.	
Weather Conditions: Spring like weather conditions, average daily temperatures range form 0°C to -10°C	
Part 2 – Site Assessment	
Activity: - Power line stringing is ongoing - Installed poles at tailings area. Excavation permit approved for pre disturbed area.	
Status: Work is ongoing	
Assessed Risk: Low	
Photos Attached: Yes (4)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: some trees have been felled into the old Go Creek channel at Km 26 and need to be removed before freshet-Passed on to site services to clean up when possible.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Ongoing during construction.	
Monitoring Frequency: weekly	
Reporting Requirements: Every two weeks	

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Power line	**Date:** March 16th – March 29th, 2010
	
10/03/18 Power line into landfill area.	10/03/18 Trees cleared for power line installation, need to be removed from creek basin before spring melt.
	
10/03/23 Arctic Power working on genset power poles.	10/03/23 Power pole installed at tailings facility.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 13th – April 27th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Power line	Location/Co-ordinates: Mill Gen-set pad to Tailings Facility.
Site Location Description: Area cleared through the trees up into YZC gen-set pad down behind the medic trail, above the waste rock pad entering the old road at km 27 running along it then crossing the new access road at km 26.2. Will run along south side of road ending at the Tailings pond.	
Weather Conditions: Typical spring weather, temperatures ranging from 0°C to 10°C with periods of snow.	
Part 2 – Site Assessment	
Activity: - Communication lines being installed	
Status: - Power poles are 100% erect from gen set pad along to tailings facility. -The power lines are approx. 100% installed	
Assessed Risk: Low	
Photos Attached: Yes (6)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: None	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: None required	
Monitoring Frequency: N/A	
Reporting Requirements: N/A	

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Power line	**Date:** April 13th – April 27th, 2010
	
10/04/16 Connecting the power line to the vent raise	**10/04/17** Installing lines
	
10/04/17 Installing the communication line	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: June 9th and 11th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Tailings Pipeline	Location Km 24.2 (tailings) to Km 27.4 (mill pad)
Site Location Description: The tailings discharge pipeline and reclaim pipeline conveys waste water and tails from the camp and industrial processes to and from the tailings facility. The pipeline design is a large insulated double walled HDPE pipe, with welding between sections. The pipeline extends from the mill area to the tailings over a distance of 2.5km. The area disturbed for pipeline access consisted of some small spruce trees, but mainly small willows and a vegetative bed of moss and lichen. The pipeline starts within the wolverine creek drainage (large distance from Creek itself >300m) and travels into the Go Creek drainage, crossing Go Creek at Km 26 on the access road.	
Weather Conditions: Spring conditions with temperature ranging from 5°C to 15°C with periods of rain and sun.	
Part 2 – Site Assessment	
Activity: -The installation of the discharge and reclaim pipelines from the mill building to the tailings pond have been completed. -Daily water testing is ongoing. -The reclaim pipeline barge has been installed and is operational.	
Site Status: - Water is continuously being pumped to tailings from water treatment ponds. - Treated effluent water is being pumped from the Sewage Treatment Plant (STP) to the tailings facility. - Water is being reclaimed and pumped back to the mill building from the tailings pond. - Slury is being pumped from the mill to the tailings pond.	
Assessed Risk: low	
Photos Attached: Yes (5)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: none	
Mitigation Condition: Excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: none	
Monitoring Frequency: Daily at end of pipe and length of pipeline periodically	
Reporting Requirements: When conditions change	

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Pipeline **Date:** June 9th – 11th , 2010

10/06/09 Reclaim line connection to the mill building

10/06/09 Reclaim line runs along the mill pad

10/06/09 The pump house and reclaim line located at tailings pond.

10/06/09 Reclaim line runs around pond and connects to the barge.

YukonZinc CORP

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Pipeline	**Date:** June 9th – 11th , 2010
	
10/06/11 Discharge into the tailings pond.	

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 13th – April 26th, 2010	Inspector(s): Jaymie Skidmore
Site Name: Tailings Pipeline	Location Km 24.2 (tailings) to Km 27.4 (mill pad)
Site Location Description: The tailings discharge pipeline and reclaim pipeline conveys waste water and tails from the camp and industrial processes to and from the tailings facility. The pipeline design is a large insulated double walled HDPE pipe, with welding between sections. The pipeline extends from the mill area to the tailings over a distance of 2.5km. The area disturbed for pipeline access consisted of some small spruce trees, but mainly small willows and a vegetative bed of moss and lichen. The pipeline starts within the wolverine creek drainage (large distance from Creek itself >300m) and travels into the Go Creek drainage, crossing Go Creek at Km 26 on the access road.	
Weather Conditions: Spring conditions with temperature ranging from 0 to 10°C.	
Part 2 – Site Assessment	
Activity: -The discharge line and reclaim line are being installed. -Pump house and pump being installed at tailings. -Pipeline being installed in mill building. -Pipeline from sump 3 to mill being installed to supply mill with water as needed	
Site Status: - Underground water is continuously being pumped to tailings from water treatment ponds. - Treated effluent water is being pumped from the Sewage Treatment Plant (STP) to the tailings facility. - As the temperature has gone up the pipeline has expanded and started to snake	
Assessed Risk: low	
Photos Attached: Yes (10)	
Samples Taken: No	
Additional Information Attached: No	
Part 3 –Mitigation Requirements	
Mitigation Required: none	
Mitigation Condition: excellent	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Ongoing during construction. Monitor discharge end daily to ensure there is no ice build up or blockages	
Monitoring Frequency: Daily at end of pipe	
Reporting Requirements: When conditions change	

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Pipeline	**Date:** April 13th – April 26th, 2010
	
10/04/14 The pump house under construction is located at km 25.	**10/04/14** Pipeline at the tailings pond for the reclaim line.
	
10/04/17 Pipeline laid at tailings pond for the future reclaim line installation.	**10/04/17** Discharge line from the Industrial area to the tailings pond.

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Pipeline **Date:** April 13th – April 26th, 2010

10/04/17 As the weather warmed the pipes expanded and started to snake

10/04/17 As the weather warmed the pipes expanded and started to snake

10/04/17 Pipeline will be run from sump 3 to the mill

10/04/17 Pipeline installed in sump 3

Wolverine Project
Environmental Inspection Form – Photos

Project Name: Pipeline	**Date:** April 13th – April 26th, 2010
	
10/04/22 The line installed around ditch's 4 and 5 was cut to stop any flow through it into ditch 1.	**10/04/24** Norcope installing water lines for the new dry in YZC camp.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: July 20th to August 2nd, 2010	Inspector(s): Jennie Gjertsen
Site Name: Tailings Facility	Location/Co-ordinates: Km 24.2 on the access road
Site Location Description: The tailings facility consists of a lined basin, the main dam, a seepage dam, a spillway, seepage collection and diversion ditches, reclaim pump barge and pipelines. The reclaim and tailings pipelines extend from the tailings facility to the industrial complex and are aligned along the access road between the two areas. The tailings facility receives all of the waste water and tails effluent from the Wolverine Project. Water will be sent back to the mill for process water, or treated and discharged. The facility is located in the Go Creek drainage, and treated effluent will be discharged to creek once discharge parameters have been met.	
Weather Conditions: Summer weather conditions. Mostly sunny and very dry, daily temperatures average from 10°C to 25°C.	
Part 2 – Site Assessment	
Activity: - Repair of holes in tailings liner - Construction of seepage dam, and installation of underdrain piping - Construction of emergency spillway swale across access road - Daily monitoring for wildlife in and around facility	
Site Status: - Water and tails are being discharged from the underground mine as well as from mill processes. Tailings are from waste being processed to commission the mill. - Seepage dam construction complete - Pump barge is installed and reclaim line is operational - Culverts for emergency spillway need to be installed	
Assessed Risk: None	
Photos Attached: Yes	
Samples Taken: No	
Additional Information Attached: None	
Part 3 –Mitigation Requirements	
Mitigation Required: Should look at drainage into seepage dam basin to minimize runoff that requires pumping back to tailings. Planned erosion control and seeding to ditches and slopes this summer/fall	
Mitigation Condition: Good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Wildlife monitoring, and for completion of emergency spillway	
Monitoring Frequency: Daily wildlife monitoring	
Reporting Requirements: WPP, environmental inspection reports	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Tailings Facility	**Date:** July 20th to August 2nd, 2010
	
10/07/24 Installation of underdrains through access road at 24+300 to allow water to bypass area	**10/07/24** Drains installed through road
	
10/07/24 Drains backfilled under access road	**10/07/26** Facing north showing alignment of drains from dam face, and backfilling

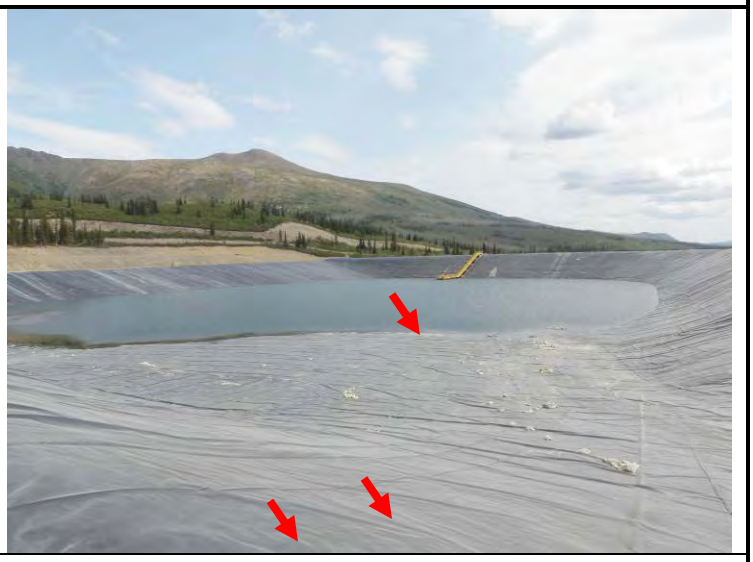
Wolverine Project
Environmental Inspection Form – Photos

Site Name: Tailings Facility	**Date:** July 20th to August 2nd, 2010
	
10/07/26 Tailings discharging into facility. Rubber underneath to protect liner	**10/07/27** Dam construction (facing east)
	
10/07/27 Seepage dam construction (facing south)	**10/07/27** Wolf tracks seen on tailings liner

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Tailings Facility	**Date:** July 20th to August 2nd, 2010
	
10/07/29 Seepage dam near completion; requires overflow culvert installation. (facing east)	**10/07/29** Survey markings for culvert install
	
10/07/29 Spillway swale excavation through access road (facing south)	**10/07/30** Seepage dam complete

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Tailings Facility	**Date:** July 20th to August 2nd, 2010
	
10/08/01 Spillway swale completion (facing east across access road to towards tailings)	**10/08/01** Spillway swale completion (facing east across access road to towards tailings)
	
10/08/02 Two holes in liner repaired	**10/08/02** Location of liner repairs

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 24th ,2010	Inspector(s): Jaymie Skidmore
Site Name: Waste Rock Pad – Waste Rock Sump	Location/Co-ordinates: Waste Rock Pad and Sump ~ Km 27.2
Site Location Description: The waste rock pad is located in an area which is lined and bermed with a large earthen/clay dyke to contain water drainage from the waste rock stored in this area. The waste rock sump is approximately 221m3 and is also lined. This sump is designed to collect contaminated water runoff from the waste rock pile.	
Weather Conditions: Typical spring weather with temperatures ranging from 0 to 15C with periods of snow, rain and sun. Spring melt is in effect.	
Part 2 – Site Assessment	
Activity: -Pumped waste rock sump-6 water truck loads pumped and discharged into the tailings facility -Ditching the area around the ore pile ramp to divert runoff back into the lined area	
Site Description: Waste rock sump is now empty; the waste rock pile is increasing daily. Ditching and seepage prevention is ongoing.	
Assessed Risk: Low	
Photos Attached: Yes (2)	
Samples Taken: No none needed	
Additional Information Attached: none	
Part 3 –Mitigation Requirements	
Mitigation Required: Pump out waste rock sump and ditch around waste rock pile.	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor ditches to insure efficiency during melt and rain	
Monitoring Frequency: Daily, during rain events or when mitigation applied	
Reporting Requirements: As conditions change	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Waste Rock Pad April 24th , 2010

10/04/24 Overview of the waste rock pad. (looking south)

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Waste Rock Pad April 23th , 2010

10/04/23 Ditching around ore pad ramp to divert runoff back into lined area.

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: April 27th – May 11th, 2010	Inspector(s): Robin McCall
Site Name: Waste Rock Pad – Waste Rock Sump	Location/Co-ordinates: Waste Rock Pad and Sump ~ Km 27.2
Site Location Description: The waste rock pad is located in an area which is lined and bermed with a large earthen/clay dyke to contain water drainage from the waste rock stored in this area. The waste rock sump is approximately 221m3 and is also lined. This sump is designed to collect contaminated water runoff from the waste rock pile.	
Weather Conditions: Typical spring weather with temperatures ranging from -5C to 15C with periods of snow, rain and sun. Spring melt is in effect.	
Part 2 – Site Assessment	
Activity: -Waste rock sump was fully emptied twice and discharged into the tailings facility -Ditching the area around the ore pile ramp to divert runoff back into the lined area -Removal of Ore from Waste Rock pad	
Site Description: Waste rock sump is now empty; the waste rock pile was increasing daily during first week, but has since been discontinued due stoppage of the Underground Mining operations. Ditching and seepage prevention is ongoing.	
Assessed Risk: Low	
Photos Attached: Yes (5)	
Samples Taken: No none needed	
Additional Information Attached: none	
Part 3 –Mitigation Requirements	
Mitigation Required: Pump out waste rock sump as required	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor ditches and any potential seepage from the facility	
Monitoring Frequency: Daily, during rain events or when mitigation applied	
Reporting Requirements: As conditions change	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Waster Rock Pad and Sump	**Date:** April 27th – May 11th, 2010
	
10/05/07 Ditching around ore pad ramp to divert runoff back into lined area.	**10/05/07 Ditching around ore pad ramp to divert runoff back into lined area.**
	
10/05/07 Ore removed from Ore stockpile	**10/05/07 Ore removed from Ore stockpile (2)**

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Waster Rock Pad and Sump

10/05/11 Waste Rock sump being emptied using Vac Truck and transported to Tailings Facility

Wolverine Project
Environmental Inspection Form

Part 1 – Site Description	
Date: May 26th – June 7th, 2010	Inspector(s): Robin McCall
Site Name: Waste Rock Pad – Waste Rock Sump	Location/Co-ordinates: Waste Rock Pad and Sump ~ Km 27.2
Site Location Description: The waste rock pad is located in an area which is lined and bermed with a large earthen/clay dyke to contain water drainage from the waste rock stored in this area. The waste rock sump is approximately 221m3 and is also lined. This sump is designed to collect contaminated water runoff from the waste rock pile.	
Weather Conditions: Spring weather with temperatures ranging from 0C to 15C with periods of rain and sun.	
Part 2 – Site Assessment	
Activity: -Waste rock sump was emptied and discharged into the tailings facility -Remaining Ore removed from Waste Rock Pad	
Site Description: No ore remains on the pad, sump level does not pose risk of runoff	
Assessed Risk: Low	
Photos Attached: Yes (2)	
Samples Taken: No	
Additional Information Attached: none	
Part 3 –Mitigation Requirements	
Mitigation Required: Pump out waste rock sump as required	
Mitigation Condition: good	
Part 4 –Monitoring Requirements	
Follow-up Monitoring: Monitor ditches and any potential seepage from the facility	
Monitoring Frequency: Daily, during rain events or when mitigation applied	
Reporting Requirements: As conditions change	

Wolverine Project
Environmental Inspection Form – Photos

Site Name: Waster Rock Pad and Sump	**Date:** May 26th – June 7th, 2010
	
10/05/31 Remaining ore removed from pad	**10/05/31 Water from Waste Rock Sump emptied and transported to Tailings Facility.**