



Upper Lillooet Hydro Project

Weekly Environmental Monitoring Report #44

Reporting Period: October 19 – October 25, 2014

Upper Lillooet River Hydroelectric Facility (Water File No. 2002561, Water licence No. C130613),
Boulder Creek Hydroelectric Facility (Water File No. 2003049, Water licence No. C129969) &
Transmission Line (TX Line)

Distribution List		Prepared By
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Owner Construction Permits and Approvals

Environmental Assessment Certificate No. E13-01 (Amendment 1, 2, 3, 4 & 5)
Fisheries Act Subsection 35(2)(b) Authorization No. 09-HPAC-PA2-000303 (Amendment 1, 2)
Letter of Advice for the Transmission Line No. 09-HPAC0-PA2-000303
Leave To Commence Construction (ULRHEF) File No. 2002561
Leave To Commence Construction (BDRHEF) File No. 2002453
Leave To Commence Construction (TX Line) File No. 2002561/2002453
Conditional Water Licence (ULRHEF C130613) File No. 2002561
Conditional Water Licence (BDRHEF C129969) File No. 2002453
Conditional Water Licence (BDRHEF C131153) File No. 2003601
Licence of Occupation (ULRHEF #232384) File No. 2409871
Licence of Occupation (BDRHEF #232386) File No. 2409998
Licence of Occupation (TX Line #2423386) File No. 2410654
Occupant Licence to Cut (ULRHEF Amendments 1, 2, 3, 4, 5) No. L49717
Occupant Licence to Cut (BDRHEF – KM 38 laydown) No. L49698
Occupant Licence to Cut (BDRHEF Amendments 1, 2, 3) No. L49816
Occupant Licence to Cut (TX Line Amendment 1, 2, 3, 4, 5) No. L49697
General Wildlife Measure Exemption Approval Letter (TX Line & BDRHEF) File No. 78700-35/06 UWR and 39585-20 WHA
Heritage Conservation Act – Alteration Permit (ULRHEF) File No. 11200-03/2014-0033
Road Use Permit No. 6123-13-02 (Lillooet River FSR); 5673-13-01 (Rutherford Creek FSR); 7977-13-01 (Lillooet South FSR);
8015-13-01 (Ryan River); 8188-13-01 (Pemberton Creek FSR); and 9717-13-01 (Miller Bench FSR)
Junction Permit (ULRHEF & BDRHEF) File No. 11250-32/6123 (Amendment 1)
Aeronautical Obstruction Approval (Tx Line - Lillooet River Crossing) File No. 2013-004
Aeronautical Obstruction Approval (Tx Line - Ryan River) File No. 2013-005
Aeronautical Obstruction Approval (Tx Line - North Miller) File No. 2013-006
Aeronautical Obstruction Approval (Tx Line - South Miller) File No. 2013-007
Aeronautical Obstruction Approval (Tx Line - Pemberton Creek) File No. 2013-008
Aeronautical Obstruction Approval (Tx Line - Lillooet River near Pemberton) File No. 2013-009
Aeronautical Obstruction Approval (Tx Line - Lillooet River near Meager Creek) File No. 2013-010
Navigable Water Protection Act (ULRHEF) File No. 8200-2009-500434-001
Navigable Water Protection Act (BDRHEF) File No. 8200-2012-501-032-001
Navigable Water Protection Act (Tx Line – North Creek) File No. 8200-2013-500103-001
Navigable Water Protection Act (Tx Line – Lillooet River) File No. 8200-2013-500101-001
Navigable Water Protection Act (Tx Line – Lillooet River) File No. 8200-2013-500102-01
Navigable Water Protection Act (Tx Line – Ryan River) File No. 8200-2013-500104-001
Navigable Water Protection Act (Tx Line – South Miller River) File No. 8200-2013-500100-001
Navigable Water Protection Act (Tx Line – Boulder Creek) File No. 8200-2013-500099-001
Navigable Water Protection Act – Extension Approval (ULRHEF, BDRHEF, Tx Line)
Navigable Water Protection Act (Bridge – Ryan River) File No. 8200-2013-500381
Navigable Water Protection Act (Bridge – Upper Lillooet Side Channel; Extension Approval) File No. 8200-2013-500383
Section 57 Authorization (ULRHEF) File No. 16660-20/REC202717
SLRD Temporary Use Permit No. 34 – Boulder Creek HEF
SLRD Temporary Use Permit No. 35 – Upper Lillooet River HEF
Works Permit for Construction within FSR Right-of-Way No. 6123-14-01
Section 52(1)(b) FRPA Authorization for Ryan River Wet Crossing File No. FOR-19400-01/2014

Contractor Construction Permits and Approvals

Magazine Licence File No. UL76018
Section 8 Approval – Short Term Use of Water File (Lillooet River and Tributaries) No. A2006123 (Amendment 1)
Waste Discharge under the Code of Practice for the Concrete and Concrete Products Industry under the Environmental Management Act (Authorization No. 107204) Tracking No. 326969
Wildlife Act Permits – Pacific Tailed Frog Salvage Permit # SU14-95304 & SU13-90538, Fish Salvage Permit # SU14-95329
Section 52 of the Fisheries (General) Regulations – Fish Salvage Licence # XR 139 2014
BC Safety Authority – Temporary Construction Electrical Service Permit EL-140698-2014
Municipal Wastewater Regulation - Authorization # 107032
Water Supply System Construction Permits – VCH-14-613 for Main Camp
Water Supply System Permit to Operate Issued July 30th, 2014 for Main Camp
Section 6(3) and Schedule 3 Wildfire Regulations Fire Exemption for Ryan River Bridge File No. 14350-07
SLRD Building Inspection Report dated August 13, 2014 - Construction Camp Building Permit No. 10830
Lillooet River FSR Temporary Road Closures Approval File No. 11250-32/6123 (Amendment 1, 2)
Lillooet South FSR Temporary Road Closures Approval File No. 11250-32/7977

ACRONYMS:

AMBNS	Active Migratory Bird Nesting Survey	IEM	Independent Environmental Monitor
ASMP	Archaeological Sites Management Plan	INX	Innergex Renewable Energy Inc.
ARD/ML	Acid Rock Drainage and Metal Leaching	ISW	Instream Works
BCEAO	British Columbia Environmental Assessment Office	ITM	Environmental Issue Tracking Matrix
BCWQG	British Columbia Water Quality Guidelines	JEM	JEM Energy Ltd. (Delegate Independent Engineer)
BDRHEF	Boulder Creek Hydroelectric Facility	LTC	Leave to Construct
BG	Background	MFLNRO	Ministry of Forests, Lands and Natural Resource Operations
BKL	BKL Consultants Ltd.	MOE	Ministry of Environment
CE	CRT-ebc Construction Inc.	NCD	Non Classified Drainage
DFO	Fisheries and Oceans Canada	OLTC	Occupational License to Cut
DS	Downstream	PAG	Potentially Acid Generating
Ecofish	Ecofish Research Ltd.	RoW	Right of Way
Ecologic	Ecologic Consulting	RVMA	Riparian Vegetation Management Area
EDI	Environmental Dynamics Inc.	SES	Sartori Environmental Services
EIR	Environmental Incident Report	TX Line	Transmission Line
ESC	Erosion and Sediment Control	ULRHEF	Upper Lillooet River Hydroelectric Facility
FAM	Field Advice Memorandum	UWR	Ungulate Winter Range
FSR	Forest Service Road	VC	Valued Component
GWR	Mountain Goat Winter Range	WHA	Wildlife Habitat Area
Hedberg	Hedberg and Associates Ltd.	WQ	Water Quality
IE	Independent Engineer (True North Energy)	WEL	Westpark Electric Ltd.
		WEMR	Weekly Environmental Monitoring Report

1.0 Summary of Site Inspections for Reporting Period

The table presented below summarizes the IEM team site presence, weather and monitoring locations by component:

Date	IEM Team Personnel (on-site)	Weather Conditions	Key Monitoring Locations & Activities
Sunday, October 19	BA, AS	Rain	<p>ULRHEF Intake Diversion Channel – South Side</p> <ul style="list-style-type: none"> • Continued rebar and formwork for Obermeyer weir <p>ULRHEF Intake Open Cut – North Side</p> <ul style="list-style-type: none"> • Bulk excavation (including drilling and blasting) continued below elevation 666m <p>ULRHEF Downstream Tunnel Portal</p> <ul style="list-style-type: none"> • Drilling, blasting and stabilization of the tunnel • Exploratory borehole drilling near KM 46.5 on the Lillooet River FSR <p>ULRHEF Penstock</p> <ul style="list-style-type: none"> • Fill slope at 2+800 capped with organic material • Grubbing and bulk excavation between station 2+725 – 3+025 • Grubbing and stripping between station 3+090 – 3+300 <p>ULRHEF Powerhouse</p> <ul style="list-style-type: none"> • Continued rebar installation and formwork <p>BDRHEF Intake Access Road & Crane Pad</p> <ul style="list-style-type: none"> • Continued access road construction • Continued excavation and drilling/blasting on top level of crane pad <p>BDRHEF Downstream Tunnel Portal</p> <ul style="list-style-type: none"> • Drilling, blasting and tunnel stabilization <p>BDRHEF Powerhouse</p> <ul style="list-style-type: none"> • Concrete works <p>TX-Line</p> <ul style="list-style-type: none"> • Segment 14 <ul style="list-style-type: none"> ➢ Continued road upgrades (including drilling and blasting) along road 371.1
Monday, October 20	BA, AA, AS	Periods of rain	<p>ULRHEF Intake Diversion Channel – South Side</p> <ul style="list-style-type: none"> • Continued rebar and formwork for Obermeyer weir <p>ULRHEF Intake Open Cut – North Side</p> <ul style="list-style-type: none"> • Bulk excavation (including drilling and blasting) on hold • North side settling pond repair works <p>ULRHEF Downstream Tunnel Portal</p> <ul style="list-style-type: none"> • Drilling, blasting and stabilization of the tunnel • Exploratory borehole drilling near KM 46.5 on the Lillooet River FSR <p>ULRHEF Penstock</p> <ul style="list-style-type: none"> • Fill slope at 2+800 capped with organic material • Grubbing and bulk excavation between station 2+725 – 3+025 • Grubbing and stripping between station 3+090 – 3+300 <p>ULRHEF Powerhouse</p> <ul style="list-style-type: none"> • Continued rebar installation and formwork <p>BDRHEF Intake Access Road & Crane Pad</p> <ul style="list-style-type: none"> • Continued access road construction • Continued excavation and drilling/blasting on top level of crane pad <p>BDRHEF Downstream Tunnel Portal</p> <ul style="list-style-type: none"> • Drilling, blasting and tunnel stabilization <p>BDRHEF Powerhouse</p> <ul style="list-style-type: none"> • Continued rebar installation and formwork <p>TX-Line</p> <ul style="list-style-type: none"> • Segment 5 <ul style="list-style-type: none"> ➢ Grinder working between KM 21 and 23 on the Lillooet River FSR • Segment 6 <ul style="list-style-type: none"> ➢ Preparing structure locations for winter

Date	IEM Team Personnel (on-site)	Weather Conditions	Key Monitoring Locations & Activities
			<ul style="list-style-type: none"> ➢ Blasting near structure 148 • Segment 8 <ul style="list-style-type: none"> ➢ Continued RoW clearing near structure 185.5 • Segment 9 <ul style="list-style-type: none"> ➢ RoW clearing near structures 215 and 216 ➢ Road works on Zorro Rd. • Segment 14 <ul style="list-style-type: none"> ➢ Continued road upgrades (including drilling and blasting) along road 371.1
Tuesday, October 21	BA, TH, TJ, AS	Periods of rain	<p>ULRHEF Intake Diversion Channel – South Side</p> <ul style="list-style-type: none"> • Continued rebar and formwork for Obermeyer weir <p>ULRHEF Intake Open Cut – North Side</p> <ul style="list-style-type: none"> • Bulk excavation (including drilling and blasting) on hold • North side settling pond repair works <p>ULRHEF Downstream Tunnel Portal</p> <ul style="list-style-type: none"> • Drilling, blasting and stabilization of the tunnel • Exploratory borehole drilling near KM 46.5 on the Lillooet River FSR <p>ULRHEF Penstock</p> <ul style="list-style-type: none"> • Grubbing and bulk excavation between station 2+725 – 3+025 • Grubbing and stripping between station 3+090 – 3+300 <p>ULRHEF Powerhouse</p> <ul style="list-style-type: none"> • Concrete works <p>BDRHEF Intake Access Road & Crane Pad</p> <ul style="list-style-type: none"> • Continued access road construction • Continued excavation and drilling/blasting on top level of crane pad <p>BDRHEF Downstream Tunnel Portal</p> <ul style="list-style-type: none"> • Drilling, blasting and tunnel stabilization <p>BDRHEF Powerhouse</p> <ul style="list-style-type: none"> • Continued rebar installation and formwork <p>TX-Line</p> <ul style="list-style-type: none"> • Segment 5 <ul style="list-style-type: none"> ➢ Grinder working near KM 21 on the Lillooet River FSR ➢ Hand pulling rope between structures 123 and 136 • Segment 7 <ul style="list-style-type: none"> ➢ Ground works at structures 175 – 179 • Segment 8 <ul style="list-style-type: none"> ➢ Temporary bridge removal works • Segment 9 <ul style="list-style-type: none"> ➢ RoW clearing near structures 215 and 216 ➢ Road works on Zorro Rd. • Segment 14 <ul style="list-style-type: none"> ➢ Continued road upgrades (including drilling and blasting) along road 371.1
Wednesday, October 22	BA, TH, TJ, KM	Periods of rain	<p>ULRHEF Intake Diversion Channel – South Side</p> <ul style="list-style-type: none"> • Continued rebar and formwork for Obermeyer weir <p>ULRHEF Intake Open Cut – North Side</p> <ul style="list-style-type: none"> • No activity <p>ULRHEF Downstream Tunnel Portal</p> <ul style="list-style-type: none"> • Drilling, blasting and stabilization of the tunnel • Exploratory borehole drilling near KM 46.5 on the Lillooet River FSR <p>ULRHEF Penstock</p> <ul style="list-style-type: none"> • Grubbing and bulk excavation between station 2+725 – 3+025 • Grubbing and stripping between station 3+090 – 3+300 <p>ULRHEF Powerhouse</p> <ul style="list-style-type: none"> • Continued rebar installation and formwork <p>BDRHEF Intake Access Road & Crane Pad</p> <ul style="list-style-type: none"> • Continued access road construction

Date	IEM Team Personnel (on-site)	Weather Conditions	Key Monitoring Locations & Activities
			<ul style="list-style-type: none"> • Continued excavation and drilling/blasting on top level of crane pad • Scaling works at KM 4.75 <i>BDRHEF Downstream Tunnel Portal</i> • Drilling, blasting and tunnel stabilization <i>BDRHEF Powerhouse</i> • Continued rebar installation and formwork <i>TX-Line</i> • Segment 5 <ul style="list-style-type: none"> ➢ Standing and framing at structures 137 and 138 ➢ Stringing from structures 123 –136 • Segment 7 <ul style="list-style-type: none"> ➢ Hoe chucking and skidding wood at road 173.1 ➢ Ground works at structures 175 – 179 • Segment 8 <ul style="list-style-type: none"> ➢ RoW clearing in the vicinity of structures 185 and 186 • Segment 9 <ul style="list-style-type: none"> ➢ RoW clearing in the vicinity of structures 215 and 216 • Segment 14 <ul style="list-style-type: none"> ➢ Continued road upgrades (including drilling and blasting) along road 371.1
Thursday, October 23	TH, SS, KM, TJ, AS	Periods of rain	<ul style="list-style-type: none"> <i>ULRHEF Intake Diversion Channel – South Side</i> • Continued rebar and formwork for Obermeyer weir <i>ULRHEF Intake Open Cut – North Side</i> • No activity <i>ULRHEF Downstream Tunnel Portal</i> • Drilling, blasting and stabilization of the tunnel • Exploratory borehole drilling near KM 46.5 on the Lillooet River FSR <i>ULRHEF Penstock</i> • Grubbing and excavation between station 3+090 – 4+095 <i>ULRHEF Powerhouse</i> • Continued rebar installation and formwork <i>BDRHEF Intake Access Road & Crane Pad</i> • Continued access road construction • Continued excavation and drilling/blasting on top level of crane pad <i>BDRHEF Downstream Tunnel Portal</i> • Drilling, blasting and tunnel stabilization <i>BDRHEF Powerhouse</i> • Continued rebar installation and formwork <i>TX-Line</i> • Segment 5 <ul style="list-style-type: none"> ➢ Stringing from structures 123 –136 • Segment 7 <ul style="list-style-type: none"> ➢ Hoe chucking and skidding wood at road 173.1 ➢ Ground works at structures 175 – 179 • Segment 8 <ul style="list-style-type: none"> ➢ RoW clearing in the vicinity of structures 185 and 186 ➢ Road works above Black Creek Bridge • Segment 9 <ul style="list-style-type: none"> ➢ RoW clearing in the vicinity of structure 215 • Segment 14 <ul style="list-style-type: none"> ➢ Continued road upgrades (including drilling and blasting) along road 371.1
Friday, October 24	TH, AA, KM	Overcast	<ul style="list-style-type: none"> <i>ULRHEF Intake Diversion Channel – South Side</i> • Continued rebar and formwork for Obermeyer weir <i>ULRHEF Intake Open Cut – North Side</i> • No activity <i>ULRHEF Downstream Tunnel Portal</i>

Date	IEM Team Personnel (on-site)	Weather Conditions	Key Monitoring Locations & Activities
			<ul style="list-style-type: none"> • Drilling, blasting and stabilization of the tunnel • Exploratory borehole drilling near KM 46.5 on the Lillooet River FSR ULRHEF Penstock • Grubbing and excavation between station 3+090 – 4+095 ULRHEF Powerhouse • Continued rebar installation and formwork BDRHEF Intake Access Road & Crane Pad • Rock bolt stabilization on right bank at intake location • Log jam removal near intake diversion tunnel site BDRHEF Downstream Tunnel Portal • Drilling, blasting and tunnel stabilization BDRHEF Powerhouse • Continued rebar installation and formwork TX-Line • Segment 5 <ul style="list-style-type: none"> ➢ Clipping from structures 123 –136 ➢ RVMA falling at stream 116A • Segment 6 <ul style="list-style-type: none"> ➢ Ground works at structure 149 • Segment 7 <ul style="list-style-type: none"> ➢ Hoe chucking and skidding wood at road 173.1 ➢ Ground works at structures 175 – 179 • Segment 8 <ul style="list-style-type: none"> ➢ RoW clearing in the vicinity of structures 185 and 186 ➢ Road works above Black Creek Bridge • Segment 9 <ul style="list-style-type: none"> ➢ RoW clearing in the vicinity of structure 215 ➢ Road works on Zorro Rd. • Segment 14 <ul style="list-style-type: none"> ➢ Falling near structure 229 and at stream 351B
Saturday, October 25	KM	Periods of rain and snow	<ul style="list-style-type: none"> ULRHEF Intake Diversion Channel – South Side • Concrete works (Obermeyer right walls) ULRHEF Intake Open Cut – North Side • No activity ULRHEF Downstream Tunnel Portal • Drilling, blasting and stabilization of the tunnel • Exploratory borehole drilling near KM 46.5 on the Lillooet River FSR ULRHEF Penstock • Grubbing and excavation between station 3+090 – 4+095 ULRHEF Powerhouse • Continued rebar installation and formwork BDRHEF Intake Access Road & Crane Pad • Rock bolt stabilization on right bank at intake location BDRHEF Downstream Tunnel Portal • Drilling, blasting and tunnel stabilization BDRHEF Powerhouse • Continued rebar installation and formwork TX-Line • Segment 4 <ul style="list-style-type: none"> ➢ Framing structures 51 – 53 • Segment 5 <ul style="list-style-type: none"> ➢ Pole straightening • Segment 6 <ul style="list-style-type: none"> ➢ Ground works at structure 149 ➢ Cleanup at structures 154 –166 • Segment 7 <ul style="list-style-type: none"> ➢ Excavator working at structures 169 – 172

Date	IEM Team Personnel (on-site)	Weather Conditions	Key Monitoring Locations & Activities
			<ul style="list-style-type: none"> ➤ Ground works at structures 175 – 179 • Segment 8 <ul style="list-style-type: none"> ➤ RoW clearing in the vicinity of structures 185 and 186 ➤ Road works above Black Creek Bridge • Segment 9 <ul style="list-style-type: none"> ➤ Log processing • Segment 14 <ul style="list-style-type: none"> ➤ Road upgrades along road 371.1 and road 327.1

IEM Team Personnel: TH – Tom Hicks; KM – Kathy Mai; SS – Stephen Sims; BA – Blake Aleksich; VD – Vanessa Dan; AA – Anthony Andrews; AS—Anne Sutherland; DA – Danita Abraham; TJ – Tammie Jenkins

2.0 Administrative Summary

Key communications and meetings the IEM team had with the licensees, contractors and/or environmental authorities:

Date	Communication Type	Participants	Issues Discussed	ITM ID No.
October 19, 2014	<i>Emails, site inspection</i>	CE, SES, INX	Discharge from the ULRHEF upstream tunnel portal sediment ponds was recorded above acceptable limits. Works were suspended and flocculant was added to increase the treatment capacity of the sediment ponds. The IEM recommended that an active dewatering treatment system be implemented for treatment of seepage water from the tunnel portal excavation.	-
October 20, 2014	<i>Email, site inspection</i>	CE, SES, INX	Heavy rain overnight caused a partial failure of the outer wall of ULRHEF upstream tunnel portal sediment ponds. CE proposed and completed a remediation strategy to repair the pond after emptying the ponds with pumps. The IEM supervised the works and no water quality exceedances were noted.	-
October 21, 2014	<i>Email, site inspection, letter</i>	CE, SES, INX, JEM	On October 21, following a second failure observed at the ULRHEF intake north side settling pond spillway, the IEM issued a verbal stop work order onsite and requested an engineer sign-off prior to repairing and recommissioning the ponds. INX supported the IEM on-site by issuing a verbal stop work order, and subsequently issued a formal written stop work order to CE to cease all pumping and construction activities associated with the construction of the ULRHEF intake (north side) and the upstream tunnel portal. All north side works were immediately put on hold and the issue has been added to the Project's ITM	<i>ULR#22 - Open</i>
October 22, 2014	<i>Email</i>	WEL, SES, INX	WEL's Environmental Manager was informed by crews that several Western Toads had fallen into the vertical corrugated steel pipe installed as pole structure foundation (pole liner) at structure 141. The Western Toads were removed from inside the hole and relocated to a nearby vegetated area. WEL revised the backfilling procedure for the installation of the pole liners to ensure that the top portion of the pole liner is left exposed a few inches above the surrounding ground.	-

October 24, 2014	<i>Email, Letter report</i>	Hedberg, CE, SES, INX	Hedberg submitted the final BDRHEF impact assessment report for damage to standing timber and impacts outside of minimized clearing boundary & approved OLTC limit (both within and adjacent to UWR).	<i>ULR#17 - Closed</i>
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3.0 Current Work Restrictions and Timing Windows

The table presented below outlines work restrictions applicable during the reporting period for each active Project component location:

Component	Location	Wildlife/Archeology Concern	Construction/Timing Restrictions & Mitigations
Tx-Line	Segments 1 –11, & 14	Within 150m of wetlands or 100m of Coastal Tailed-Frog Streams	IEM presence is required when clearing within 150m of wetlands or 100m of Coastal Tailed-Frog Streams, to ensure clearing area is minimized.
		Riparian Vegetation Management Areas (RVMA)	IEM monitoring is required during clearing within RVMAs.
		Old Growth Management Areas (OGMAs)	IEM monitoring is required when clearing within legally designated OGMAs, to ensure clearing area is minimized.
		Ungulate Winter Range (UWR)	IEM monitoring is required when clearing within identified deer and moose UWR, to ensure clearing area is minimized.
		Suitable Class 1 & 2 Grizzly Bear forage habitat	IEM monitoring is required when clearing within identified Class 1 & 2 Grizzly Bear forage habitat, to ensure clearing area is minimized. Blasting mats (or other noise reduction methods) are to be employed within 500m of Class 1 and Class 2 grizzly bear forage habitat during critical seasonal foraging periods (fall, September – October). ULH-GB33 (Class 1 fall forage habitat) – Clearing and construction activities should avoid the fall season to avoid the displacement of bears (*see Section 6.3 of this report for further information regarding adjusted mitigations).
		Salmon Migration Period and Bald Eagle Roosts	Construction of the transmission line within 500 m of Alena Creek, 29.2 km Tributary, South Creek, Rohb Creek must be conducted outside of October 15 – December 31 and Sampson Creek and Railroad Creek must be conducted outside of August 15 to December 31.
Wildlife Habitat Area (WHA) 2-399	Construction of the transmission line within the Grizzly Bear WHA 2-399 must be construction outside of April 1 to June 1 and October 15 to December 31 to minimize disturbance to Grizzly Bears expected to use the WHA during spring and fall.		

Component	Location	Wildlife/Archeology Concern	Construction/Timing Restrictions & Mitigations
ULRHEF powerhouse, and Intake diversion channel	Within 50m of identified archeologically significant area	Archaeologically significant site EdRu-3	The ASMP recommends that an archaeological technician from the Lil'wat Nation be present to monitor initial ground-disturbance activities within 50m of the EdRu-3 site boundaries.
	Within 30m of the Upper Lillooet River	Riparian area and fish bearing streams	IEM presence is required when working within 30m of the Upper Lillooet River. Instream acoustic pressure monitoring required when blasting within 30m of the Upper Lillooet River.
Lillooet River FSR; ULRHEF intake access; FSR realignment at Truckwash Creek	Access roads above the lower limit of the 200m buffer Truckwash Creek Migration Corridor to the ULRHEF intake; including FSR realignment at Truckwash Creek	Mountain Goat UWR	If a goat is observed within 500m line of sight of construction operations, construction must cease for at least 48 hours. The IEM must record and submit all goat observations to FLNR within 48 hours.
BDRHEF intake	Portion of intake access road and crane pad within UWR	Mountain Goat UWR	IEM monitoring is required when clearing within UWR to ensure that clearing areas are minimized. If a goat is observed within 500m line of sight of construction operations, construction must cease for at least 48 hours. The IEM must record and submit all goat observations to MFLNRO within 48 hours.

4.0 Upper Lillooet River HEF – Monitoring Results

4.1 Intake (North & South Sides), Access Roads and Upstream Tunnel Portal

Construction Activities:

- Bulk excavation, including drilling and blasting, continued at the ULRHEF upstream tunnel portal (north side) below elevation 666m (Photo 1).
- Continued rebar and formworks (Photo 2) at the Obermeyer Weir (south side diversion channel). Concrete works included two structure pours occurring on October 24 and 25.
- Repair works following failure at outlet of north side settling pond.

Environmental Summary:

- On October 19, the IEM observed turbid water discharging to the Upper Lillooet River from the north side settling pond spillway (Photo 3). The discharge was the result of drilling and excavation works at the upstream tunnel portal. Point source water quality observation and subsequent sampling indicated high turbidity levels (>1000AU). The IEM notified CE and pumps were stopped to allow time for sediment

settling and development of a treatment solution. CE installed a flocculant sock at the settling pond inlet and pumping was reinitiated (Photo 4). Treatment with flocculant was effective and the water in the pond was measured to be acceptable for discharge. The IEM conducted in situ water quality sampling during works and water treatment. Samples were taken at outlet of the settling pond and downstream of works at the Keyhole Falls Bridge (see results in Section 4.5). No downstream exceedances of BCWQG were observed during this turbid discharge event primarily due to relatively minimal discharge quantities leading to a higher dilution factor.

- On October 20, a failure was observed at the north side settling pond spillway (Photo 5). The failure occurred overnight and was not observed by CE crews until morning. A breach in the pond liner and escaping water caused an incision approximately 1m deep in the west side of the settling pond. CE put upstream portal excavation works on hold and assembled machinery and crews to conduct settling pond repairs. One excavator was used to rebuild the west embankment of the settling pond (Photo 6 and Photo 7). Repair works resulted in the temporary release of sediment-laden water to the Upper Lillooet River (see results in Section 4.5). In situ water quality sampling was conducted at the Keyhole Falls Bridge as there was no safe access available to a sampling site in closer proximity to active works. No downstream exceedances of BCWQG were observed during this turbid discharge event due elevated background turbidity levels and relatively minimal discharge volumes leading to a higher dilution factor.
- On October 20 during nightshift, the IEM observed turbid water being pumped from the upstream portal excavation directly to the Upper Lillooet River. Two 3" pumps, previously used to convey clean water during settling pond repairs, were conveying turbid construction water following the continuation of excavation works. The IEM conducted water quality sampling and concluded that discharge turbidity levels were unacceptable (see results in Section 4.5). No downstream exceedances of BCWQG were observed during this turbid discharge event due elevated background turbidity levels and relatively minimal discharge volumes leading to a higher dilution factor.
- On October 21, following a second failure observed at the north side settling pond spillway (Photo 8), the IEM issued a verbal stop work order onsite and requested an engineer sign-off prior to repairing and recommissioning the ponds. INX supported the IEM on-site by issuing a verbal stop work order, and subsequently issued a formal written stop work order to CE to cease all pumping and construction activities associated with the construction of the ULRHEF intake (north side) and the upstream tunnel portal. All north side works were immediately put on hold and the issue has been added to the Project's ITM as *ULR#22 – Open*.
- Outstanding issues from *FAM04* (issued September 29, 2014) pertaining to slope stabilization and spoil pile winterization at the ULRHEF intake have been included in the Project's ITM as *ULR#20 – open*. Additional and outstanding ESC items observed during this reporting period at the ULRHEF intake include:
 - ULRHEF intake north side cofferdam access road – Ditching is currently inadequate and is leading to increased erosion of the running surface.
 - ULRHEF intake north side cut slopes above the Lillooet River FSR – Initial Curlex installation has been completed along a portion of the slope, however

inadequate coverage is leading to further rilling.

- ULRHEF north side spoil area – Spoil area requires attention prior to the onset of winter as slopes are unconsolidated and no ESC measures are currently in place. A winterization plan for the ULRHEF spoil area was submitted to the IEM on October 17, however the ITM will remain open until works are complete and slopes are stabilized.
- The IEM was onsite for works (including concrete pours) within 30m of the Lillooet River.

Photos:



Photo 1 – Bulk excavation, including drilling and blasting, continued at the upstream tunnel portal (October 19, 2014).



Photo 2 – ULRHEF intake diversion channel Obermeyer weir formworks (October 21, 2014).



Photo 3 – Turbid water discharging to Upper Lillooet River from north side settling pond spillway (October 19, 2014).



Photo 4 – A flocculant sock was applied to inlet of north side settling pond for water treatment (October 19, 2014).



Photo 5 – Failure at north side settling pond spillway (October 20, 2014).



Photo 6 – ULRHEF intake north side settling pond repair works in progress (October 20, 2014).



Photo 7 – ULRHEF intake north side settling pond repair works in progress; replacement geotextile liner was installed (October 20, 2014).



Photo 8 – Second failure at north side settling pond (October 21, 2014).

4.2 Downstream Tunnel Portal

Construction Activities:

- Drilling, blasting, mucking and stabilization (anchoring and shotcrete application) continued within the tunnel (Photo 9). Seepage water from the tunnel portal was conveyed effectively through an oil water separator (Photo 10) and into the settling ponds for treatment and storage.

Environmental Summary:

- No environmental issues were observed at the ULRHEF downstream tunnel portal during this reporting period. The settling ponds installed adjacent to Truckwash Creek were used to treat the seepage and process water emanating from the tunnel. No surface discharge from the sediment ponds was observed this week; therefore no WQ measurements were taken by the IEM.

Photos:



Photo 9 – ULRHEF downstream tunnel portal (October 22, 2014).



Photo 10 – ULRHEF downstream portal oil water separator (October 19, 2014).

4.3 Penstock

Construction Activities:

- Grubbing and bulk excavation/fill continued from penstock station 2+725 to 3+025m (Photo 11) and from 3+090 to 4+095m (Photo 14).
- Drain excavated at 3+875 (Photo 15).

Environmental Summary:

- Sediment fencing was installed around perimeter of rock truck turn-around area located at station 2+660 (Photo 12).
- Fill slope at 2+800 was capped with a layer of organic material to provide slope stabilization (Photo 13).
- During a significant rain event during nightshift on October 21 the IEM recorded a turbidity exceedance in watercourse ASTR04 at 3:40am (see 4.5 Water Quality Results). The event was the result of road runoff entering the watercourse. The IEM followed up with dayshift inspections on October 21 and 22 (Photo 16) and flows were observed to be visibly clear. Erosion and sediment control measures should be installed to protect ASTR04 from sediment inputs during significant rain events.

Photos:



Photo 11 – ULRHEF penstock grubbing and bulk excavation from 2+725 to 3+090m (October 19, 2014).



Photo 12 – Sediment fencing around perimeter of rock truck turn-around area located at station 2+660 (October 19, 2014).



Photo 13 – Fill slope at 2+800 capped with organic material for slope stabilization (October 19, 2014).



Photo 14 – ULRHEF penstock bulk excavation at 4+075 (October 22, 2014).



Photo 15 – Drain installed at 3+875; water was observed infiltrating to ground during significant rain event (October 22, 2014).



Photo 16– ASTR04 with visibly clear flows following turbid event (October 22, 2014).

4.4 Powerhouse & Access Road

Construction Activities:

- Continued rebar installation and formworks for the powerhouse structure (Photo 17). A structure pour was completed on October 18.
- Two pumps (6" and 10") previously installed in the sump draining seepage waters in the powerhouse excavation continued to convey water to the existing settling ponds. No flowing surface water was observed within the excavation and pump capacity appears to be adequate to maintain isolation from active work areas.

Environmental Summary:

- Dewatering of the ULRHEF powerhouse continued without environmental concerns. The IEM will continue to monitor the works area to confirm that future concrete pours are adequately isolated from flowing waters and protected from precipitation during curing.

Photos:



Photo 17 – Current conditions at ULRHEF powerhouse; rebar and formworks continued during this reporting period (October 22, 2014).

4.5 Water Quality Results

The following table presents the results of the routine water quality sampling program for the ULRHEF. The IEM is undertaking a weekly monitoring program according to the conditions outlined in the Surface Water Quality Protection Plan. The regular monitoring sites have been selected to quantify WQ conditions within the Lillooet River upstream and downstream of active construction areas. The IEM acknowledges the natural variability of instream WQ conditions in the Lillooet River due to seasonal melt fluctuations and large tributary inputs. In the event that an exceedance of *in-situ* water quality (turbidity or pH) is deemed to be caused by project-related activities, the IEM will highlight the exceedance, discuss the cause, and outline measures undertaken by the Contractor to correct the issue. When an exceedance cannot be attributed to project related activities, the exceedance will be marked by an asterisk (*).

Date	Time	Sample Location Description	pH	Turbidity (NTU)	Cond (µS)	Temp (°C)
Water Quality for Specific Works						
Water quality from the north side settling pond during upstream portal excavation works and flocculant treatment						
October 19, 2014	11:30	ULRHEF intake north side settling pond spillway (point source)	-	1211 (AU)	-	-
	11:35	ULRHEF intake north side settling pond overflow pipe outlet (point source)	-	1028 (AU)	-	-
	11:45	ULR Background – ULRHEF Intake	-	68.3	-	-
	12:00	Downstream of ULRHEF intake at Keyhole Bridge	-	69.2	-	-
	13:30	ULRHEF intake north side settling pond spillway (point source)	-	717	-	-
	13:35	ULRHEF intake north side settling pond overflow pipe outlet	-	90	-	-
	14:00	ULR Background – ULRHEF Intake	-	66.1	-	-

Date	Time	Sample Location Description	pH	Turbidity (NTU)	Cond (µS)	Temp (°C)
	14:15	Downstream of ULRHEF intake at Keyhole Bridge	-	65.8	-	-
	16:40	ULRHEF intake north side settling pond following flocculant treatment	-	53	-	-
	16:50	ULRHEF intake north side settling pond	-	50	-	-
Water quality conducted during settling pond repair activities						
October 20, 2014	13:10	ULRHEF intake north side settling pond	-	15	-	-
	14:00	ULR Background – ULRHEF Intake	-	998 (AU)	-	-
	14:05	Downstream of ULRHEF intake at Keyhole Bridge during settling pond repair works	-	913 (AU)	-	-
	14:50	Upstream portal excavation taken at outlet of 3" pump discharging directly to Lillooet River	-	47	-	-
	16:00	Downstream of ULRHEF intake at Keyhole Bridge	-	697 (AU)	-	-
	16:30	ULRHEF intake north side settling pond	-	64.7	-	-
	17:00	ULRHEF intake north side settling pond	-	37.5	-	-
	17:25	Upstream portal excavation	-	53.7	-	-
	20:50	ULRHEF intake north side settling pond	-	19.3	-	-
October 20, 2014	21:16	Discharge of 3" pump conveying water from US portal to UL River (<i>point source</i>)	-	1468(AU)	-	-
	21:30	Downstream of ULRHEF intake at Keyhole Bridge	-	207	-	-
	22:45	ULR Background – ULRHEF Intake	-	274	-	-
Water quality conducted during significant rain event at ASTRO4						
October 21, 2014	03:35	BG for ASTRO4 taken above Upper Lillooet FSR	-	10.11	-	-
	03:40	DS in ASTRO4 taken below old Truckwash access road	-	21.5	-	-

4.6 Recommendations

IEM recommendations for the ULRHEF are as follows:

- As a follow up to *FAM04* (issued September 29, 2014) and additional ESC issues identified in this reporting period, the IEM continues to recommend that all necessary measures be implemented to mitigate sediment mobilization and provide for adequate treatment capacity and efficiency prior to discharging to receiving waters.
- The intake north side settling pond has proven to be ineffective in treating the construction water generated by the upstream portal excavation and the pond has experienced two consecutive structural failures. The IEM recommends that an active treatment system be installed for dewatering prior to resuming works.

4.7 Upcoming Works

The following new and/or environmentally sensitive construction activities are scheduled to occur at the ULRHEF in the upcoming reporting period(s):

- Continued bulk excavation at the north side ULRHEF intake open cut below elevation 666m will continue once an active dewatering system is installed that is capable of treating seepage water.
- Structure works at the ULRHEF intake Obermeyer weir will continue for the structure foundation and walls.
- Continued cut/fill along the ULRHEF penstock alignment.
- Completion of outstanding ESC items outlined in FAM04 will continue.

5.0 Boulder Creek Hydroelectric Facility – Monitoring Results

5.1 Intake Access Road & Crane Pad

Construction Activities:

- Sequences of drilling, small controlled blasts, and blast rock excavation continued on the top bench of the crane pad throughout the reporting period.
- Scaling works were performed with an excavator following a rock fall at 4.75km on the BDRHEF intake access road (Photo 18 and Photo 19).
- Log removal was conducted using 300 tonne crane at BDRHEF intake (Photo 21).
- Rope access technicians conducted right bank stabilization works below crane pad at BDRHEF intake (Photo 22).

Environmental Summary:

- Construction activities occurred along the BDRHEF intake access road and crane pad with the IEM onsite for construction activities within 30m of Boulder Creek. No environmental issues were observed.

Photos:



Photo 18 – Scaling works following rock fall at KM 4.75 on BDRHEF intake access road (October 22, 2014).



Photo 19 – Continued scaling works following rock fall at KM 4.75 on BDRHEF intake access road (October 22, 2014).



Photo 20 – BDRHEF intake diversion tunnel location looking downstream (October 24, 2014).



Photo 21 – Log removal at BDRHEF intake using 300 tonne crane (October 24, 2014).



Photo 22 – Rope access crew conduct rock bolt stabilization works on the right bank at BDRHEF intake (October 25, 2014).

5.2 Downstream Tunnel Portal and Powerhouse

Construction Activities:

- Rebar installation and formworks at the powerhouse continued throughout the reporting period. Concrete works included a structure pour on October 19 (Photo 24).
- Drilling, blasting, mucking and stabilization (anchoring and shotcrete application) continued within the tunnel.

Environmental Summary:

- No environmental issues were observed during this reporting period at the BDRHEF powerhouse or downstream tunnel portal.
- Water from the Boulder Creek water withdrawal site authorized in the Short Term Water Use Approval (No.A2006123) was used effectively for dust suppression above KM 37.5 of the Lillooet River FSR and on active construction site access roads.

Photos:



Photo 23 – Conditions at BDRHEF powerhouse (October 19, 2014).



Photo 24 – Concrete works at BDRHEF powerhouse (October 19, 2014).

5.3 Water Quality Results

The following table presents the results of the routine water quality sampling program for the BDRHEF. The IEM is undertaking a weekly monitoring program according to the conditions outlined in the Surface Water Quality Protection Plan. The regular monitoring sites have been selected to quantify WQ conditions within the Lillooet River upstream and downstream of active construction areas. The IEM acknowledges the natural variability of instream WQ conditions in Boulder Creek due to seasonal fluctuations in snowmelt. In the event that an exceedance of *in-situ* water quality (turbidity or pH) is deemed to be caused by project-related activities, the IEM will highlight the exceedance, discuss the cause, and outline measures undertaken by the Contractor to correct the issue. When an exceedance cannot be attributed to project related activities, the exceedance will be marked by an asterisk (*).

Date	Time	Sample Location Description	pH	Turbidity (NTU)	Cond (µS)	Temp (°C)
Water Quality Taken During Scaling Activities And Slope Consolidation At The BDRHEF Intake						
October 24, 2014	12:35	BDR Background –Upstream of BDRHEF intake *Accessed by crane basket*	7.85	9.34	n/a	4.4
October 24, 2014	12:50	BDR #1 – Downstream of BDRHEF intake *Accessed by crane basket*	7.82	9.5	n/a	4.4
October 24, 2014	15:40	BDR #1 – Downstream of BDRHEF intake *Accessed by crane basket*	7.33	11.91	n/a	4.9
BDR #2 – Upstream of BDRHEF Powerhouse			No sampling - works did not impact downstream water quality			
BDR #3 – Downstream of BDRHEF Powerhouse at Pebble Creek Bridge			No sampling - works did not impact downstream water quality			

5.4 Recommendations

ITEM recommendations for the BDRHEF are as follows:

- Maintenance of the Boulder Creek portal sediment ponds is required to maintain their effectiveness. Sampling results have demonstrated that the sediments in the ponds are of negligible acid-generating potential (PAG) and that material could be spoiled at designated spoil locations following established mitigations.

5.5 Upcoming Works

The following new and/or environmentally sensitive construction activities are scheduled to occur at the BDRHEF in the upcoming reporting period(s):

- Rock consolidation and diversion tunnelling works.

6.0 Transmission Line – Monitoring Results

6.1 Transmission Line Construction Activities

Right-of-Way Clearing:

- RVMA clearing in Segment 5 at stream 116A (Photo 25).
- Skidding and hoe chucking wood in Segment 7.
- ROW clearing occurred in Segment 8, Segment 9 and Segment 14.
- A grinder continued processing slash in Segment 5 (KM 21 – 23 of the Lillooet River FSR).

Existing Road Upgrades and Access Road Construction:

- Transmission line access road upgrades/construction (including brushing, ballasting and drilling/blasting where necessary) were conducted in Segment 8 (above Black Creek Bridge), Segment 9 (Zorro Road) and Segment 14 (road 371.1 and 327.1).
- Temporary bridge removal works were conducted in Segment 8 (Photo 26).

Transmission Line Pole Installation, Line Stringing and Clipping:

- Foundation construction (ground works including blasting and use of heavy machinery) was conducted in Segments 6 – 7.
- Structure framing, steel hanging and stringing occurred in Segments 4 – 5.
- Structure winterization occurred in Segment 6.

Environmental Summary:

- The IEM was present as required when clearing and construction activities occurred within 150m of wetlands, 15m RVMAs (30m for CTF streams), 100m of Coastal Tailed Frog Streams, Class 1 & 2 suitable Grizzly Bear WHA and/or suitable forage habitat, moose and deer UWR, and within legally designated Old Growth

Management Areas (OGMAs). All flagged boundaries were respected during clearing activities. No environmental issues were observed.

Photos:



Photo 25 – Segment 5 - Stream 116A RVMA clearing (October 24, 2014).



Photo 26 – Removal of temporary bridge over Black's Creek (October 21, 2014).

6.2 Water Quality Results

Date	Time	Sample Location Description	pH	Turbidity (NTU)	Temperature (°C)
Water quality was visually assessed in all areas of active construction during this monitoring period. No water quality concerns were noted.					

6.3 Recommendations

- The IEM has no recommendations at this time.

6.4 Upcoming Works

The following new and/or environmentally sensitive construction activities are scheduled to occur along the Tx line in the upcoming reporting period(s):

- Road upgrades will continue in Segments 8, 9 and 14.

7.0 Wildlife Sightings

As per the CEMP, a wildlife sightings record has been implemented and will be updated regularly by Project Personnel. It is mandatory for all personnel to report wildlife sightings including, but not limited to bears, cougars, mountain goats and deer. Wildlife sighting will be reported and recorded by the contractor(s) and will be submitted to the IEM on a weekly basis. Wildlife Observation forms will be summarized on a monthly basis and appended to the first WEMR of the following month. Observation or detection of the following species will trigger notification to identified parties according to the following table.

Species Observed or Detected	Notification Period	Agencies to be Notified
Northern Rubber Boa	Immediately	IEM, Owner
Grizzly Bear	24hrs	IEM, Safety Officer, Conservation Officer, Owner
Wolverine Den	24hrs	IEM, MFLNRO, Owner
Spotted Owls	24hrs	IEM, MOE, Owner
Mountain Goats	48hrs	IEM, MFLNRO, Owner

8.0 Mountain Goat Monitoring Program

Mountain Goat Monitoring has been temporarily suspended until the fall monitoring period as outlined in the Mountain Goat Management Plan.

9.0 Environmental Issues Tracking Matrix (ITM)

9.1 Hydroelectric Facilities (ULRHEF & BDRHEF)

Issue Tracking		Environmental Issue		Mitigation Measures			
ID No.	Status	Location	Issue Description	Action Taken/Recommended	Date of Identification	Targeted Date for Completion	Date Completed
ITM Tracking Legend:		<div style="display: flex; justify-content: space-between; margin-bottom: 5px;"> Work Item Open </div> <div style="display: flex; justify-content: space-between; margin-bottom: 5px;"> Work Item Complete </div> <div style="display: flex; justify-content: space-between;"> Issue Closed </div>					
ULR#17	Closed	BDR Intake Access Road	Damage to standing timber and impacts outside of minimized clearing boundary & approved OLTC limit (both within and adjacent to UWR)	<ol style="list-style-type: none"> 1. Prepare and submit EIR#011 outlining the root cause of the incident and how it will be avoided in future. 2. Assess damage to standing timber and impacts outside of the minimized clearing boundaries and approved OLTC (both within and adjacent to UWR). A damaged timber assessment was prepared by Hedberg and Associates and was provided to the IEM and IE on October 24, 2014. The report indicates impacts outside of the OLTC boundary and within UWR polygon UL 12. Further assessments will be required to develop an appropriate reclamation, compensation, or replacement strategy to satisfy permitting conditions. As all conditions of the original Stop work order issued by the IE have now been met and no outstanding environmental risk remain this issue will be considered closed. The owner will be responsible for ensuring documentation is provided to regulators demonstrating compliance with applicable clearing permits and the General Wildlife Measure Exemption in relation to UWR, upon completion of a project wide clearing assessment. 	July 25, 2014	July 30, 2014	August 1, 2014
ULR#20	Open	Various location at ULRHEF, BDRHEF and along the Lillooet FSR	FAM04 (attached) was issued to the contractor to address ESC concerns at HEF component sites	<ol style="list-style-type: none"> 1. ULRHEF Intake (north and south sides) <ol style="list-style-type: none"> a. Ditch installation/maintenance b. Slope protection c. Spoil area winterization (plan submitted October 17, 2014) 2. ULRHEF Powerhouse <ol style="list-style-type: none"> a. Slope protection 3. BDRHEF Intake Access Road <ol style="list-style-type: none"> a. Slope protection 	September 29, 2014	October 17, 2014	-

Issue Tracking		Environmental Issue		Mitigation Measures			
ID No.	Status	Location	Issue Description	Action Taken/Recommended	Date of Identification	Targeted Date for Completion	Date Completed
ULR#21	Open	38km Laydown	Reportable spill – 300L of diesel spilled to ground at the fueling station	<ol style="list-style-type: none"> 1. Prepare and submit <i>EIR#013</i> outlining the root cause of the incident and how it will be avoided in future. 2. Provide confirmation that the spill has been fully remediated through the lab analyses of the confirmatory samples. Lab results were submitted to INX and the IEM along with a draft EIR on October 25, 2014. 	October 6, 2014	October 21, 2014	-
ULR#22	Open	ULRHEF intake	Written Stop Work Order issued by INX – CE must cease all work at the ULRHEF intake (north side) and upstream tunnel portal excavation following prolonged inadequate ESC measures and a second failure of the settling pond.	<ol style="list-style-type: none"> 1. Submission of a long-term plan for an active dewatering treatment plan for review and approval by the IE, IEM and INX. 2. Implementation of an approved dewatering treatment system to the satisfaction of the IE, IEM and INX. 	October 21, 2014	October 28, 2014	

next ITM – ULR#23

9.2 Transmission Line

ITM Tracking Legend:	Work Item Open
	Work Item Complete
	Issue Closed

Issue Tracking		Environmental Issue		Mitigation Measures			
ID No.	Status	Location	Issue Description	Action Taken/Recommended	Date of Identification	Targeted Date for Completion	Date Issue Closed
<i>No outstanding environmental issues (next ITM – Tx#2)</i>							