1	Q.	GENERATION - HYDRO
2 3		Rattling Brook Hydro Plant Refurbishment (Clustered) - \$18,242,000
4		PUB 10.0 NP
5 6		Provide for the last five years:
7 8		 The particulars of maintenance costs in relation to this plant, with details in relation to the penstock and the surge tank,
9		2. Maintenance logs,
10		3. Inspection reports/assessments, and
11		4. Outage reports with reasons.
12 13 14	A.	Maintenance Cost
15 16		Please refer to CA-30.0 NP for the particulars of maintenance costs in relation to the penstock and the surge tank for the years of 2002 to 2006.
17		pensoon and the surge man for the years of 2002 to 2000.
18		Maintenance Logs
19		
20		Please refer to Attachment A for maintenance logs for the Rattling Brook plant for years
21		2003 to 2006. These logs have been retrieved from Avantis, the Company's Asset
22 23		Management software tool. Prior to 2003 the Company did not have a software program that was used to track maintenance completed to the plant therefore logs are not
2425		available for 2002.
26 27		Inspection Reports/Assessments
28		Please refer to Attachment B for inspection reports and assessments that were completed
29 30		for Rattling Brook for the years 2002 to 2006. Enclosed in this Attachment are the Quarterly and In-house Dam Safety Inspections. The Quarterly Dam Safety Inspections
31		are completed by the plant operating staff at Rattling Brook. The In-house Dam Safety
32		Inspections are completed on a bi-annual basis by a civil engineer in the Company's
33		Generation Engineering group.
34		
35		Please refer to Volume II of the 2007 Capital Budget Application, Appendices D, E, and
36		F for the Civil, Electrical, and Mechanical Assessments reports that were completed from
37		2002 to 2006.
38		
39		Outage Reports
40		Diagramator to Attachment C for a convert the outgoing moments for Dattling Dreat for III-it
41 42		Please refer to Attachment C for a copy of the outage reports for Rattling Brook for Unit #1 and Unit #2.

Maintenance Logs for Rattling Brook Plant 2003 to 2006

RBK: Access Roads and Bridges System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
28520	Road Grading Required	RBK: Access Roads & Bridges System	05 Repair		Plant road needs grading to avoid flooding at plant during rainy season.		No
26568	Plant Road Needs Grading	RBK: Access Roads & Bridges System	05 Repair		Plant road needs grading to avoid flooding at plant during rainy season.		No

RBK: Amy's Gate Water Level System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description		
1					Description	Closing Comments	Closed (Yes/No
51177	Recalibrate Water Level	RBK: Amy's Gate Water Level System	03 Preventive Maintenance (M3)	5/2/2006	The unit was inspected to determine the problem is caused by faulty probe. When replacement probe was received, installation and calibration was performed using the druck pressure calibratior. The preferred source of pressure during calibration is actual raising & lowering of probe in foreboy water. Unit calibration check should be performed when storage levels are high.	See first timecard for time value 2. Investigation of water level indication error at ratifing reservoir, level indication noted to be in error by approximately 1.4 feet. a. Reduce water level range and recalibration of water level transducer. b. Check and recalibrate PDT / PDR transducers (transmission equipment) c. Re-calibrate and check local Indication at Ratifing plant & Scada d. Modify water level data sheet & prepare reservoir re-calibration report. Note altached re-calibration report. OK	Yes
44791	Investigate False Water Level Reading	RBK: Amy's Gute Water Level System	Of Inspection/Investigation	8/23/2005	The control center and plant are oil reading high and are at the maximum levels. This is obviously a false reading as the water levels are low. Kevin Gill has requested that the PPM's shut down the system until he can further investigate the problem.		Yes
44791	Investigate False Water Level Reading	RBK: Amy's Gate Water Level System	01 Inspection/Investigation	11/23/2005	the PPM's shut down the system until he can further investigate the problem.	The unit was inspected to determine the problem is caused by faulty probe. When replacement probe was received, installation and calibration was performed using the druck pressure calibrator. The preferred source of pressure during calibration is actual raising & lowering of probe in forebay water Unit calibration check should be performed when storage levels are high. See	Yes
42368	Recalibration	RBK: Amy's Gate Water Level System	13 Restoration .	5/2/2006	The reading on Friday was off by 1.1 feet. All along it was off by .4 feet but that was stillbuted to draw down. We need someone to look at this water feet monitoring and adjust it. This reading is especially important now when we are all full supply.	1. Dinvestigation of water level indication error at railling reservoir.	Yes
42388	Recalibration	RBK: Amy's Gate Water Level System	13 Restoration	5/2/2006	off by .4 feet but that was attibuted to draw down. We	OK	Yes

RBK: Amy's Lake Dam

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
38739	Vegetation Management Required	RBK: Amy's Lake Dam	16 Vegetation Control		Brush clearing required this will be done by outside contractor when set up.		No
33919	Dam Safety Engineering Inspection (High-1 Category)	RBK: Amy's Lake Dam	01 Inspection/investigation		Dam Safety Engineering Inspection (High- 1 Category)	-	No
27103	Dam Safety Operator Inspection	RBK: Amy's Lake Dam	01 Inspection/Investigation	10/30/2003	Dam Safety Operator Inspection		Yes
27027	Storage Dam Site Watkabout	RBK: Amy's Lake Dam	01 Inspection/Investigation	10/30/2003	Storage Dam Site Walkabout		Yes
25004	Storage Dam Site Walkabout	RBK: Amy's Lake Dam	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout		Yes
22883	Storage Dam Site Walkabout	RBK: Amy's Lake Dam	01 Inspection/Investigation	8/19/2003	Storage Dam Site Walkabout		Yes

RBK: Amy's Lake Gate Structure

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
52182	Control Gate Conditional Assessment	RBK: Amy's Lake Gate Structure	Ot Inspection/Investigation		Control Gate Conditional Assessment		Nο
	Control Gate Inspection	RBK: Amy's Lake Gale Structure	01 Inspection/Investigation	B/23/2005	Control Gate Inspection	Some blockage in Amys discharge channel. Gate guide; seals and sill is underwater therefore unable to check. When last cleaned by divers the trashracks checked ok.	Yes
43260	Control Gate Operational Test	RBK: Amy's Lake Gate Structure	03 Preventive Maintenance (M3)	8/8/2005	Control Gate Operational Test		Yes
38738	Remove Debris Blocking Channel	RBK: Amy's Lake Gate Structure	13 Restoration		Outlet Channel, debris blocking channel, should be removed. As per Byron Hayter and priority by Bill Guy		No
36303	Investigate Deteriorated Concrete	RBK: Amy's Lake Gale Structure	01 Inspection/Investigation		Intake Structure, concrete deteriarated, Needs repairs. We will do a full inspection of this structure next summer when water levels allow as per Garry Humby		No
	Clean Trash Racks	RBK: Amy's Lake Gale Structure	05 Repair	7/22/2003	Debris in front of trashracks unable to run 2 machines This task will also require the use of a Boom Truck and also a Diving Contractor.	The trade requirement for this work order should have been one PPM for about 5 hours.	Yes
22284	Clean Trash Racks	RBK: Amy's Lake Gate Structure	05 Repair			i	No
22284	Clean Trash Racks	RBK: Amy's Lake Gate Structure	05 Repair		This job also requires the use of a diving crew and the use of a boom truck.	,	No
22261	Adjust Gate Opening Indicator	RBK: Amy's Lake Gate Structure	05 Repair	8/14/2003	Gate opening indication out of adjustment.	Checked gate indication and recalibrated in local and remote.	Yes
22261	Adjust Gate Opening Indicator	RBK: Amy's Lake Gate Structure	05 Repair	8/14/2003		Checked and recalibrated gate indication in local and remote.	Yes

RBK: Forebay Dam Site Walkabout

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Closing Comments	Closed (Yes/No)
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
	Forebay Dam Site Walkabout		01 Inspection/Investigation	6/14/2006	ok	Yes
50357	Forebay Dam Site Walkabout		01 Inspection/Investigation	5/17/2006	ОК	Yes
49243	Forebay Dam Site Walkabout		01 Inspection/Investigation	4/11/2006	ok	Yes
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	3/20/2006	Snow covered.	Yes
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	2/15/2006	ОК	Yes
47475	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	1/11/2006		Yes
46801	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	12/12/2005	ok	Yes
45731	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	11/15/2005		Yes
	Forebay Dam Site Walkabout		01 Inspection/Investigation	10/19/2005	OK	Yes
44216	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	8/8/2005	large amount of vegetation on downstream slope See WO# 36432	Yes
42574	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	7/6/2005	OK	Yes
41755	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	6/15/2005	vegetation requires cutting See WO # 36432	Yes
	Forebay Dam Site Walkabout		01 Inspection/Investigation	5/16/2005	Vegetation needs to be cut. See WO # 36432.	Yes
	Forebay Dam Site Walkabout		01 Inspection/Investigation	4/7/2005	dam snow covered OK	Yes
	Forebay Dam Site Walkabout			3/11/2005	Snow Covered. OK	Yes
38011	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	2/9/2005	dam is snow covered	Yes
t	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	1/5/2005	Recommended follow up recorded on work order # 37527.	Yes
37003	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	12/13/2004	ОК	Yes
36432	Vegetation Management Required	RBK: Forebay Dam	16 Vegetation Control			No
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	11/25/2004	ok OK	Yes
35335	Forebay Dam Site Walkabout		01 Inspection/Investigation	10/7/2004	OK OK	Yes
34575	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	-	large amount of vegetation on the down stream & upstream slopes Planned to be done in 2004 as per J Curran.	Yes
33968	Forebay Dam Site Walkabout			8/19/2004	OK	Yes
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	7/19/2004		Yes
	Forebay Dam Site Walkabout		01 Inspection/Investigation	6/8/2004		Yes
	Forebay Dam Site Walkabout			5/19/2004		Yes
32205	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	5/19/2004		Yes

RBK: Forebay Dam Site Walkabout

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Closing Comments	Closed (Yes/No)
31762	Forebay Dam Site Walkabout	RBK: Forebay Dam		4/23/2004		Yes
30942	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	3/3/2004	Unable to do a good inspection due to heavy snowcover in area.	Yes
30610	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	2/18/2004		Yes
29864	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	1/21/2004	Dam was snowcovered at time of inspection. Dam was snowcovered at time of inspection.	Yes
29516	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	12/9/2003	DAM SNOWCOVERED , NO UNUSUAL CONDITIONS OBSERVED .	Yes
29141	Calibration Required	RBK: Forebay Dam	02 Predictive Maintenance	1/13/2004	It was discussed with plant supervisor & operations staff that the approx. 6' error indicated that the communications line between the fore bay and the plant was open circuited. The trouble was resolved by regional staff.	Yes
	Calibration Required	RBK: Forebay Dam	02 Predictive Maintenance		This task was not required since the problem was resolved according to closing comments under task 1.	Yes
29053	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	11/27/2003		Yes
27104	Dam Safety Operator Inspection	RBK: Forebay Dam	01 Inspection/Investigation	10/30/2003		Yes
26929	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
26928	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
26927	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
26926	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation	10/24/2003		Yes
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
24881	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
24880	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
24879	Forebay Dam Site Walkabout		01 Inspection/Investigation			No
24878	Forebay Dam Site Walkabout			9/2/2003		Yes
22785	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
22783	Forebay Dam Site Walkabout	RBK: Forebay Dam	01 Inspection/Investigation			No
22782	Forebay Dam Site Walkabout	RBK: Forebay Dam		8/7/2003		Yes
21087	Forebay Dam Site Walkabout					Yes

RBK Forebay Spillway

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments Activity	typ Closed (Yes/No)
27105	Dam Safety Operator Inspection	RBK: Forebay Spillway	01 Inspection/Investigation	10/30/2003	Dam Safety Operator Inspection		Yes
27105	Dam Safety Operator Inspection	RBK: Forebay Spillway	01 Inspection/Investigation	10/30/2003	Dam Safety Operator Inspection	Samp	le Yes
27028	Storage Dam Site Walkabout	RBK: Forebay Spillway	01 Inspection/Investigation	10/24/2003	Storage Dam Site Walkabout		Yes
25005	Storage Dam Site Walkabout	RBK: Forebay Spillway	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout		Yes
22884	Storage Dam Site Walkabout	RBK: Forebay Spillway	01 Inspection/Investigation	8/20/2003	Storage Dam Site Walkabout		Yes

RBK: Forebay Water Level Gauge

Work Order	Work Order Title	Entity Name	Wark Type	Date work completed	Description	Clasing Comments	Closed (Yesillo)
52156	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	01 Inspection/Investigation		Water Level Transducer Calibration Check		No
51388	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	01 Inspection/Investigation		Water Level Transducer Calibration Check		No
	Water Level Transducer Calibration Check		01 Inspection/Investigation		Water Level Transducer Calibration Check	reading ok OK	Yes
			01 Inspection/Investigation	5/23/2006	Water Level Transducer Calibration Check	OK	Yes
-	<u> </u>				· · · · · · · · · · · · · · · · · · ·	Actual reading 1 tenth higher than plant reading.	
49185	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	01 Inspection/Investigation		Water Level Transducer Calibration Check	OK	Yes
48390	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	O1 Inspection/Investigation	3/20/2006	Water Level Transducer Calibration Check	ok	Yes
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check	OK	Yes
	Water Level Transducer Calibration Check			1/19/2006	Water Level Transducer Calibration Check		Yes
	Water Level Transducer Calibration Check			12/8/2005	Water Level Transducer Calibration Check		Yes
						actual reading is 1/2 tenth higher than plant	
45691	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	01 (rispection/Investigation	11/16/2005	Water Level Transducer Calibration Check	reading	Yes
	Water Level Transducer Calibration Check			10/20/2005	Water Level Transducer Calibration Check	OK	Yes
44151	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	O1 Inspection/Investigation	9/9/2005	Water Level Transducer Calibration Check	Reading is 1 tenth higher than actual reading.	Yes
43234	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauce	O1 Inspection/Investigation	8/9/2005	Water Level Transducer Calibration Check	plant reading same as actual reading	Yes
42483	Water Level Transducer Calibration Check	RRK: Forebay Water Level Gauge	01 Inspection/Investigation	7/6/2005	Water Level Transducer Calibration Check	OK	Yes
41692	Water Level Transducer Calibration Check	RRK: Forebay Water Level Gauge	01 Inspection/Investigation	6/29/2005	Water Level Transducer Calibration Check		Yes
-11004	7744.5. 2070	(actual reading is 8.5 tenths higher than scada	
41040	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	01 Inspection/Investigation	5/18/2005	Water Level Transducer Calibration Check	reading See WO #41610	Yes
11010	THE COURT OF THE C					Actual reading is 6 tenths higher than plant	
40216	Water Level Transducer Calibration Check	RRK: Forebay Water Level Gauge	O1 Inspection/Investigation	4/15/2005	Water Level Transducer Calibration Check	reading. See WO #33222	Yes
1 10210	1						}
1	\	\	1]		Actual reading is 9 tenths higher than plant and	
			i		*	SCC reading. Advised J Decker of problem a	
30106	Water Level Transducer Calibration Check	RBX: Forehay Water Level Gaune	01 Inspection/Investigation	3/11/2005	Water Level Transducer Calibration Check	decision to be made very soon on replacement.	Yes
77050	Water Level Transducer Calibration Check	RBK: Forehay Water Level Gauge	O1 Inspection/Investigation	2/10/2005	Water Level Transducer Calibration Check		Yes
37535	TYALE LEVEL TIBIISCODE COMBIDION CITEST	TABLE FORCED FOR THE CONTROL COMME				Comments/time was put on time card for 37507.	
3742	Water Level Transducer Calibration Check	RRK: Forehay Water Level Gauge	D1 Inspection/lovestination	1/5/2005	Water Level Transducer Calibration Check	See work order 33222	Yes
3/72	TYZES CEVEL THEISCOCK GENERALD BITCOL	TABLE ! CICAL !	9.11,			Actual reading is two tenths higher than plant	
38083	Water Level Transducer Calibration Check	RRK: Forehay Water Level Gauge	01 Inspection/Investigation	12/13/2004	Water Level Transducer Calibration Check	reading. See WO# 33222	Yes
2030.	THE CEVEL THURSDOOM CONSTRUCTION CONTROL	TABLE ! BIODEY !! COVER COURSE				actual reading reading is two tenths higher than	
}	\	1	1			plant reading WO# 33222 has been created to	
35940	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gaune	01 Inspection/Investigation	11/4/2004	Water Level Transducer Calibration Check	corret this problem.	Yes
33040	TANDES COVER THE SUBSECT COMPUTATION OF COM-	TOTAL WIGGEST TOTAL CONSTRUCTION				actual read is 1,1/2 tenths higher than plant	
35375	Water Level Transducer Calibration Check	RRK: Enrebay Water Level Gauge	01 Inspection/Investigation	10/19/2004	Water Level Transducer Calibration Check	reading See WO# 33222	Yes
33272	Trans. Corp. Transpace: Othermion Street	THE PARTY OF THE P				actual reading 1.5 tenths higher than reading at	
34536	Water Level Transducer Calibration Check	RRK: Forebay Water Level Gauge	01 Inspection/Investigation	9/13/2004	Water Level Transducer Calibration Check	the plant	Yes
34330	TARIO ESTE TIMISAGESI GENERALDIOI OILECK	The state of the s	The state of the s	1		Actual reading is 1,5 tenths higher than reading	
4200	Water Level Transducer Calibration Check	RBK: Forehay Water Level Gaune	O1 Inspection/Investigation	8/17/2004	Water Level Transducer Calibration Check	at the plant. See WO #33222	Yes
3300	Lieral Feati Houseonal Calinidinii Fucer	LINE A GLODAY STATES COVER CONTRA	ic				

RBK: Forebay Water Level Gauge

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No
					L , , , , ,	there is a 2 .1/2 tenths difference in actual	
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check	reading See work order 33222.	Yes
33222	Water Level Re-Calibration Required	RBK: Forebay Water Level Gauge	13 Restoration		Bill Guy has forwarded the following instructions to the control centre for them to follow until we get the recalibration completed. "The Forebay is actually about 3 tenths higher than the scada reading. With The Scada reading at 334.6 we are spilling at the forebay emergency spillway. Please control the forebay at a scada reading of 334.3 to prevent spilling at the emergency sollway."	See comments attached to time card for K. Gill. OK	Yes
33222	Water Level Re-Calibration Required	RBK: Forebay Water Level Gauge	13 Restoration	2/4/2005	Bill Guy has forwarded the following instructions to the control centre for them to follow until we	and the reading sensitivity is decreased. Recalibration would only to appear to help because of large pressure changes during the process, which would exercise the probe moving parts, and possibly temporarily free them up. The replacement of the probe is not a possibility because the unit is obsolete, a total system replacement would be required, approx value \$ 3500,00 System replacement should be considered during plant upgrade. Spoke with J Decker this will be replaced during Plant Uporade.	
32930	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	O1 Inspection/Investigation	8/22/2004	Water Level Transducer Calibration Check	The actual reading at the forebay is 2.5 tenths higher than the plant reading. Check with Jeramy Deckers group for followup.	Yes
32163	Water Level Transducer Calibration Check	RBK: Forebay Water Level Gauge	O1 Inspection/Investigation	5/19/2004	Water Level Transducer Calibration Check	Plant reading is 3.5 tenths lower than actual reading at forebay.	Yes
	 Water Level Transducer Calibration Check	DDIG Franken Material and Commit	04 1	4/20/0004	Motor I aval Tanadusas Callbartias Charles	Reading at forebay is two tenths higher than plant reading.	Yes
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check Water Level Transducer Calibration Check	риант годину.	Yes
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check		Yes
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check	Plant reading is one tenth higher than actual reading at forebay.	Yes
	Water Level Transducer Calibration Check Water Level Transducer Calibration Check				Water Level Transducer Calibration Check Water Level Transducer Calibration Check	Reading at forebay is one tenth higher than reading showing at plant .	Yes
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check	····	Yes
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check		Yes
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check		Yes
	Water Level Transducer Calibration Check				Water Level Transducer Calibration Check	Forebay reading 2 tenths higher than plant reading.	Yes

RBK: Intake Gate Structure

Work Order		Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
44192	Intake Operational Test	RBK: Intake Gate	12 Isolation	9/26/2005	Intake Operational Test		Yes
		RBK: Intake Gate	03 Preventive Maintenance (M3)	9/26/2005	Intake Operational Test	 -	Yes
42546	Intake Conditional Assessment	RBK: Intake Gate	01 Inspection/Investigation		Dewater Penstock		No
					Swithching Order		7.00
41731	Intake Conditional Assessment	RBK: Intake Gate	12 Isolation		preparation/approval		No

RBK: Intake Trashracks

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
					With the change in territerature we have a lot		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
i		·			if ice on trash racks causing the the plant to		
					trip of. We will require a diving crew to		
48263	Remove Ice From Trash Rack	RBK: Intake Trashracks	03 Preventive Maintenance (M3)	1/24/2006	remove this ice.	OK	Yes
					With the change in temterature we have a lot		
					if ice on trash racks causing the the plant to		
	<u>L</u>				trip of. We will require a diving crew to		
48263	Remove Ice From Trash Rack	RBK: Intake Trashracks	03 Preventive Maintenance (M3)		remove this ice.		No

RBK: Penstock

Social Pensiock Sile Welkabout Self-Vensiock Other Type Date work completed Self-Vensiock Self-Vensiock Other Sile Welkabout Self-Vensiock Other Sile Welkab	Clased (YesiNa) No
Social Repair Penstock Blowout at Rattling Brook 12 Isolation Sir/2000 the installation of setting lights to repair a legislate to repair a legislate to repair a legislate to repair and the biddle and we will have to de-water to just below the location and on the stream of the upper side of the highway. We should check the area to see if there has been more oresion which caused the pipe to settle (causing the blowout) which may need to be addermined that two of the bands will have to be removed and then a place of steel pile in Italiang with ITalia Is take area where there is ensolined ducheck the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should check the area to see if the highway. We should the high caused the pipe to settle (causing the blowout) which may need to be addermined that two of the bands will have to be consisted where the installed over the needs of the high the high and the penstock does not have to be consisted whereast the strength of the highway the strength of the highway the strength of the highway the high and the penstock does not have to be completely developed. 40512700000000000000000000000000000000000	110
S7/10/2006 As per Gary Murray, "The blow aut is just below the bridge and we will have to de-water to just below the focation and install a sized jate, Tom and Byron tried to repair and could not do anything with it. This is the area where the size resion due to the stream on the upper sized of the highway. We should check the area to see if there has been more enable more enable which addressed aleas. In talking with Bill Guy, it was determined that two of the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the bands will have to be removed and then a ject of sized justice in the sized in the sized in the sized in the sized justice. In the sized justice is the size of the sized justice in the sized jus	Yes
This can be done by in house staff and the penstock does not have to be completly dewatered. 49217 Penstock Operator Inspection A7447 Penstock Site Walkabout A7448 Penstock Operator Inspection A7448 Penstock Operator Inspection A7449 Penstock Operator Inspection A7440 Penstock Operator Inspectio	Yes
47447 Penstock Site Walkabout RBK: Penstock D1 Inspection/Investigation 1/13/2008 Penstock Site Walkabout Unable to walk the penstock due to and snow on roadhed. Checked pension of the steel phaline near the surge tank at RBK. We should replace the phaline near the surge tank at RBK. We should replace the bolts as some are not able to be tightened any further. 42519 Penstock Site Walkabout RBK: Penstock D1 Inspection/Investigation RBK: Penstock D1 Inspection/Investigation RBK: Penstock Site Walkabout RBK: Penstock Site Walkabout RBK: Penstock D1 Inspection/Investigation A/18/2005 Penstock Operator Inspection OK Recommended Foliow Up: Expansic joint leaking on Site als section of RBK Penstock. Schedule repairs in late of pension section of RBK Penstock Site Walkabout RBK: Penstock Site Walkab	
44964 Penstock Operator Inspection RBK: Penstock O1 Inspection/Investigation RBK: Penstock O1 Inspection/Investigation RBK: Penstock O2 Inspection/Investigation Addisplace Boils and Tighten Expansion Joint RBK: Penstock O5 Repair RBK: Penstock O5 Penstock O5 Repair RBK: Penstock O5 Penstock O5 Penstock O5 Repair RBK: Penstock O5 Penstock O5 Penstock O5 Penstock O5 Repair RBK: Penstock O5 Penstock O5 Penstock O5 Penstock O5 Repair RBK: Penstock O5 Penstock O5 Penstock O5 Penstock O5 Repair RBK: Penstock O5 Penstock O5 Penstock O5 Penstock O5 Repair RBK: Penstock O5	Yes
We experienced a leak in the expansion joint of the steel pipeline near the surge tank at RBK. We should replace the pipeline near the surge tank at RBK. We should replace the pipeline near the surge tank at RBK. We should replace the Dolts as some are not able to be tightened any further. 42519 Penstock Site Walkabout RBK: Penstock 01 Inspection/investigation RBK: Penstock 01 Inspection/investigation RBK: Penstock 01 Inspection/investigation RBK: Penstock 01 Inspection/investigation RBK: Penstock Site Walkabout RBK: Penstock 01 Inspection/investigation RBK: Penstock 01 Inspection/investigation RBK: Penstock Site Walkabout RBK: Penstock 01 Inspection/investigation RBK: Penstock Site Walkabout RBK: Penstock 01 Inspection/investigation 1/12/2005 Penstock Site Walkabout RBK: Penstock Site Walkabout RBK: Penstock 01 Inspection/investigation 1/12/2005 Penstock Site Walkabout RBK: Penstock Site Walkabou	Yes
44036 Replace Bolts and Tighten Expansion Joint RBK: Penstock 05 Repair 7/26/2005 bolts as some are not able to be tightened any further. OK no cost available. 142519 Penstock Site Walkabout RBK: Penstock 01 Inspection/Investigation 8/3/2005 Penstock Operator Inspection 14252 Penstock Operator Inspection 1726/2005 Penstock Site Walkabout Penstock Site Walkabout Penstock Operator Inspection 1726/2005 Penstock Operator Inspection 1726/2005 Penstock Site Walkabout Penstock Site Walkabout Penstock Operator Inspection 1726/2005 Penstock Site Walkabout Penstock Operator Inspection 1726/2005 Penstock Site Walkabout Penstock Operator Inspection 1726/2005 Penstock Operator Inspe	Yes
42519 Penstock Site Walkabout RBK: Penstock Demonstrated Penstock Site Walkabout RBK: Penstock Demonstrated Penstock Site Walkabout RBK: Penstock Demonstrated Penstock Demonstrated Penstock Site Walkabout RBK: Penstock D1 Inspection/Investigation 4/18/2005 Penstock Operator Inspection OK 40252 Penstock Operator Inspection RBK: Penstock D1 Inspection/Investigation 4/18/2005 Penstock Operator Inspection OK Recommended Follow Up: Expansion of RBK Penstock Site Walkabout Penstock Site Walkabout Spring or summer by PPM. See we part of the spring o	Yes
40252 Penstock Operator Inspection IRBK: Penstock II Inspection/Investigation 4/18/2005 Penstock Operator Inspection OK Recommended Foliow Up: Expansion of RBK Penstock Site Walkabout RBK: Penstock II Inspection/Investigation 1/12/2005 Penstock Site Walkabout Order 38737 Work on penstock by H&B	Yes
Joint leaking on Steel section of RBK Penstock, Schedule repairs in late spring or summer by PPM. See we order 38737 Work on penstock by H&B	Yes
Work on penstock by H&B	
Started Nov.01 total of 45 hrs.@ S6500.00. Cost of ceder shingles for roadbed flooded in one area requires ditching lot of large leakes repairs \$1309.85. Invoice Complete 36376 Penstock Repairs Required RBK: Penstock 05 Repair 11/5/2004 requires plugging will discuss work with bill guy next week p 3 OK	Yes
roadbed flooded in one area requires ditching lot of large leakes requires plugging will discuss work with billig next week p 3 WD #36376 Creater	
33625 Penstock Site Walkabout RBK: Penstock 01 Inspection/Investigation 7/13/2004 Penstock Site Walkabout RBK: Penstock 01 Inspection/Investigation 7/13/2004 Penstock Site Walkabout 7/13/2004 Penstock Sit	Yes
32968 Penstock Engineering Inspection RBK: Penstock In Inspection/Investigation 6/9/2004 Penstock Engineering Inspection	Yes
31681 Penstack Operator Inspection RBK: Penstock 01 Inspection/Investigation 5/11/2004 Penstock Operator Inspection Submitted to Tony Chistett.	Yes Yes
29539 Penstock Site Walkabout RBK: Penstock O1 inspection/Investigation 1/20/2004 Penstock Site Walkabout snowcovered at time of inspection	Yes
28853 Penstock Site Walkabout RBK; Penstock 01 Inspection/Investigation 10/30/2003 Penstock Site Walkabout slowbyered at time of inspection.	Yes

RBK: Penstock

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Classed (Vestive)
Work Grace	World Grazil Mile	Linky (taking	WOLK TYPE	Date work completed	Description	Closing Comments	Closed (Yes/No)
		i			i	penstock requires a lot of maintenance	İ
						plugging installing plates repairs to	
						broken cradles ditching roadbed the	
						penstock will be drained in october this	
						work can be done at this time this work	
l .						will require a outside contractor.	
						Penstock will be drained in october	
		i				plates can be installed at this time	·
	·	i				requires constractor to make	l
i						necessary repairs to penstock.	ļ.
l						PENSTOCK NEEDS A LOT OF WORK	
24790	Penstock Operator Inspection	DOK: Benetock	01 Inspection/Investigation	047/2002	Penstock Operator Inspection		
27100	T Charlest Operator Inspection	INDIA PENSION	OT IIISpecticit/iiIvestigadoti	9/1//2003	Pensiock Operator Inspection	covered under work order #22159	Yes
I		1					l l
1		i				penstock requires a lot of maintenance	
		1				plugging installing plates repairs to	
1		1				broken cradles ditching roadbed the penstock will be drained in october this	
į.							
						work can be done at this time this work will require a outside contractor.	
					'		
						Penslock will be drained in october	
						plates can be installed at this time	
						requires constructor to make	
						necessary repairs to penstock. PENSTOCK NEEDS A LOT OF WORK	
			.			DONE. P3 This is	
24790	Penstock Operator Inspection	RBK Penstock	01 Inspection/Investigation	בחחכ <i>ו</i> לו/ם	Penstock Operator Inspection		
24767	Penstock Site Walkabout		O1 Inspection/Investigation	במחמבים	Penstock Site Walkabout	covered under work order #22159	Yes
		TABLE ! ENDIOUS	o i mapocaoromivestigation	5/20/2003	FE()3100X G((E VVA)KAPOUT		Yes
						Bad woodstaves in several areas.Poor	
					·	drainage on roadbed. Threads and	ļ .
							i i
						nuts rusting on band's. Several broken cradie's, More settlement in pensiock	
			1			and cradle's in washout area. Bush in	[
22709	Penstock Site Walkabout	RBK: Peostock	01 Inspection/Investigation	8/12/2003	Penstock Site Walkabout	several area's.	I
			- Trippedoistiffcatiguien	0,12,2000	t attack one wantsout	Work done by outside contractor for	Yes
						more details contact gary murray.	
						Through conversation with Gary	
						Murray, it was determined that the	
						contractor took about three weeks to	
22264	Repair Penstock Leaks	RBK: Panstock	05 Repair	11/28/2003		repair the pensiock leaks.	Yes
		1		1112012000		Work done by outside contractor for	185
		i				more details contact gary murray.	
						Through conversation with Gary	
	*					Murray, it was determined that the	
		1			Requires outside contractor to make necessary repairs to	contractor took about three weeks to	
22264	Repair Penstock Leaks	RBK: Penstock	05 Repair	11/28/2003		repair the penstock leaks.	
				11/20/2003	1 minimum mini	bad woodstaves in several areas poor	Yes
							i
]			drainage on roadbed threads&nuts rusting on bands several broken	
]					,	cradies more settlement in	l
							ŀ
1			1			pipe&cradles in washout area brush in	
21059	Penstock Site Walkabout	RBK: Pensing	O1 inspection/investigation	B/4E/2002	Penstock Site Walkabout	area This work has been captured in	i l
		1:		0/ (3/2003	L GUSTOCK OUG AAGIVEDDOT	held work request #1465	Yes

RBK: Powerhouse Air Compressor

Work Order		Entity Name	Work Type	Date work completed	Description		
28195	RBK1 Air Compressor Weekly Visual Inspection	RBK: Powerhouse Air Compressor			RBK1 Air Compressor Weekly Visual Inspection	Closing Comments	Closed (Yes/No)
28194	RBK1 Air Compressor Weekly Visual Inspection	RBK: Powerhouse Air Compressor	01 Inspection/Investigation		RBK1 Air Compressor Weekly Visual Inspection	 	No
	RBK1 Air Compressor Weekly Visual Inspection	RBK: Powerhouse Air Compressor			RBK1 Air Compressor Weekly Visual Inspection	<u> </u>	No
	RBK1 Air Compressor Weekly Visual Inspection		01 Inspection/Investigation	10/20/2003	RBK1 Air Compressor Weekly Visual Inspection		No
26312	RBK1 Air Compressor Operational Inspection		03 Preventive Maintenance (M3)	8/13/3003	RBK1 Air Compressor Operational Inspection	OK .	Yes
	RBK1 Air Compressor Weekly Visual Inspection	RBK: Powerhouse Air Compressor	ID1 Inspection/Investigation		RBK1 Air Compressor Weekly Visual Inspection		Yes
	RBK1 Air Compressor Weekly Visual Inspection		D1 Inspection/investigation		RBK1 Air Compressor Weekly Visual Inspection		No
	RBK1 Air Compressor Weekly Visual Inspection		01 Inspection/Investigation		RBK1 Air Compressor Weekly Visual Inspection	<u> </u>	No
	RBK1 Air Compressor Weekly Visual Inspection		01 Inspection/Investigation				No
	RBK1 Air Compressor Weekly Visual Inspection		01 Inspection/Investigation	0/20/2003	RBK1 Air Compressor Weekly Visual Inspection		No
23989	RBK1 Air Compressor Weekly Visual Inspection		O1 Inspection/Investigation	5/25/2003	RBK1 Air Compressor Weekly Visual Inspection		Yes
23968			O1 Inspection/Investigation		RBK1 Air Compressor Weekly Visual Inspection		No
			O1 Inspection/Investigation		RBK1 Air Compressor Weekly Visual Inspection		No
			O1 Inspection/Investigation		RBK1 Air Compressor Weekly Visual Inspection		No
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	TROTE I DIVERTINGSE AT COMPRESSO	o i mspection mivestigation	8/25/2003	RBK1 Air Compressor Weekly Visual Inspection		Yes
21800	RBK1 Air Compressor Weekly Visual Inspection	RBK: Powerhouse Air Compressor	D			Check oil level should be added to	
			01 Inspection/Investigation	7/29/2003	RBK1 Air Compressor Weekly Visual Inspection	the activity decription.	Yes
21798		RBK: Powerhouse Air Compressor RBK: Powerhouse Air Compressor		7/18/2003	RBK1 Air Compressor Weekly Visual Inspection		Yes
	VISUAL COMPLESSES VASCALY VISUAL (LISPECTURE)	INCK. POWERIOUSE AIR COMPRESSOR	01 Inspection/investigation	7/17/2003	RBK1 Air Compressor Weekly Visual Inspection		Yes

RBK: Powerhouse Electrical System

Wark Order	Wark Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
		<u> </u>			Install temperary heaters in Turbine Pit . Also we	Closing Comments	Cidaca (Teativo)
					need to install Recepacies at the forebay shack for		
		RBK: Powerhouse Electrical System	03 Preventive Maintenance (M3)	1/24/2006		lok	Yes
4D424	Instali Receptacles & Heaters	RBK: Powerhouse Electrical System	08 Installation			OK	Yes
1							
i					We will have to first identify the correct circuits and		
					put temporary labels in place while we are waiting for		
		 			permanant labeling to be completed. This was a		
	Identify and Label AC/DC Panels		06 Modification - Non-capital		safety deficiency identified in past safety meetings.		No
40182	Identify and Label AC/DC Panels	RBK: Powerhouse Electrical System	08 Modification - Non-capital	<u> </u>			No
					Tom Hanlon requested the installation of three		
78276	lastely Daggetinical for Daggetinia	RBK: Powerhouse Electrical System			recepticles in the attick of the plant for pest control	}	1
30350	MISTAL Receptices for Pest Control	RBA: Powembuse Electrical System	08 Installation	10/21/2004	equipment.	OK	Yes
1					A 4-3-1		
					A switching order is required as per the following	1	
1		1			description. As per the recent PUB ruling on NL		
					and H's rate application, NP Is required to provide		
					Hydro with access to our generation plant metering		
					for the purpose of downloading energy and demand		
					data. An important aspect of this project will be the verification and documentation of existing plant]	
					metering equipment. Plant Electricians will be		
					conducting site visits in order to access, trace, verify		
					and document all plant metering. In addition.		1
			[grounding lugs are required on the bus in most	ļ	1
]		i			plants, generator side and a possible location for		
35028	Plant Metering - Site Inspection	RBK: Powerhouse Electrical System	12 Isolation			time was entered on task one.	
					As per the recent PUB ruling on NL and H's rate	tine was entered bil lask one.	185
l			İ		application, NP is required to provide Hydro with		1
					access to our generation plant metering for the		
1					purpose of downloading energy and demand data,		1
			· · · · · · · · · · · · · · · · · · ·		An important aspect of this project will be the		
					verification and documentation of existing plant		
1		<u>,</u>			metering equipment. Plant Electricians will be		
		Ì	·		conducting site visits in order to access, trace, verify		
					and document all plant metering. In addition,		1
					grounding lugs are required on the bus in most		[[
]]		plants, generator side and a possible location for		
35026	Plant Metering - Site Inspection	RBK: Powerhouse Electrical System	07 Project - Capital	2/16/2005	these lugs needs to be determined.	time was entered on task one.	Yes

RBK: Powerhouse Overhead Crane

				<u> </u>		Closing	
Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Comments	Closed (Yes/No)
52345	RBK Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)		A		No
				į	According to CSA B167-98, we are required to have a qualified	ļ	\
				•	inspection company, inspect all		
					overhead cranes at least		
F4544	Annual Quadrand Steps Innoction	RBK: Powerhouse Overhead Crane	01 Inspection/lovestination		annually.		No
51344	Annual Overhead Crane Inspection	RBR. POWERINGS OVERHEAD CHAIRS	a (mapezaciona de de de de de de de de de de de de de		Powerhouse Crane Operational		
51374	Powerhouse Crane Operational Inspection	RBK; Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	7/6/2006	Inspection	ok	No
3,514	1 Description of Dillo Description (1990)				Powerhouse Crane Operational		
50947	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	6/13/2008	Inspection	every thing ok	Yes
					Powerhouse Crane Operational		
50275	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	5/12/2006	Inspection Powerhouse Crane Operational	DK	Yes
		Spie B O. school S	02 December Maletagene (M2)	4/12/2008	Inspection	ОК	Yes
491/1	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	CO Preventive Maintellance (MO)	411212000	Powerhouse Crane Operational		-
40274	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	3/15/2006	Inspection	ок	Yes
40314	POWEITIDGSE CIANE Operational Inspection	TABLE BARRAIDESC OVERIESC OTERIO	DO I TOTALIST (MAINTAINE (MA)		Powerhouse Crane Operational		
48065	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	2/10/2006	Inspection	OK	Yes
					Powerhouse Crane Operational		
47395	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	1/18/2006	Inspection	<u> </u>	Yes
					Powerhouse Crane Operational	1	
47395	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	1/18/2006	Inspection		Yes
		0.00	OZ Z	*2420000	Powerhouse Crane Operational Inspection		Yes
46744	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	O3 Prevenuve wattrenance (M3)	12/12/2003	Powerhouse Crane Operational		1163
45054	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	11/15/2005)inspection	}	Yes
43031	Pawellagas Claris Operational propercion	TABLE FOREITIDADE CVATTICAC CITATIO	GD ((C-GC) E-D I-VERILLE (III-V)			Inspection	
						completed by	
45534	Annual Overhead Crane Inspection	RBK: Powerhouse Overhead Crans	01 Inspection/Investigation	10/12/2005		Dover Crane.	Yes
			·· ·		Powerhouse Crane Operational	l	
44916	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	10/13/2005	Inspection	OK	Yes
	L		SS S dive Meintenann (MS)	OUS APPOINE	Powerhouse Crane Operational Inspection	DK OK	Yes
44136	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	OS Prevenuve Maintenance (MS)	8/14/2003	Powerhouse Crane Operational	un un	1,03
42105	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crans	03 Preventive Maintenance (M3)	8/5/2005	Inspection	everything ok	Yes
40100	Leastlings Citile Charaterial Habarian	HDIC 1 ON SHIDDS C CYPHINGS BY SHIP			Powerhouse Crane Operational		
42468	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	7/5/2005	Inspection	ОК	Yes
					Powerhouse Crane Operational		
41676	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	6/13/2005	Inspection	ok OK	Yes
["		1	\		Powerhouse Crane Operational	200	
41008	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	us Prevenuve Maintenance (M3)	5/13/2005	Inspection Powerhouse Crane Operational	OK	Yes
40000	Developes Conceilend large-files	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	1	Inspection	1	No
40203	Powerhouse Crane Operational Inspection	TOTAL FORESTINUSE OVERTICAD CIANE	100 1 1046Have Menifersuine (MD)	 	Powerhouse Crane Operational	 	
39034	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	103 Preventive Maintenance (M3)	3/11/2005	Inspection	ок	Yes
0000					Powerhouse Crane Operational		
39033	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	<u> </u>	Inspection		No
	1			1	Powerhouse Crane Operational	1	1
39032	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	 	Inspection		No
		BDIG Barretonia G. ata-ata	Da Danielius Maintanana (19)		Powerhouse Crane Operational Inspection		N¤
39031	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	no Lieveuline Maintenauce (W3)		Powerhouse Crane Operational	 	1114
20020	Powerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)		Inspection		No
	Lowelliness clark Obstantia (Paperion	I SWEETINGS OVERTICAL CITEDS	Co. Toveriero mienteneries (MD)		Powerhouse Crane Operational	1	1
39029	Powerhouse Crane Operational Inspection	RBK; Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	l	Inspection		No
	Remaye Jumper From Limit Switch	RBK: Powerhouse Overhead Crans		11/9/2004			Yes
	i a				This is required due to lifting		1
				_	limitations, height wise, of the	\	\
36505	Temporarily Jump Out Limit Switches	RBK: Powerhouse Overhead Crane	06 Modification - Non-capital	10/29/2004	crane.	OK	Yes

RBK: Powerhouse Overhead Crane

34522 Powe 34522 Powe 34522 Powe 34522 Powe	Work Order Title est Crane Limits erhouse Crane Operational Inspection erhouse Crane Operational Inspection erhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane RBK: Powerhouse Overhead Crane		12/8/2004	switch today Oct 22/2004 (caution tags to be used) to permit re-assembly of Unit 1 but a permanent change to raise the	Dover crans completed this workerder. Will have to contact B Guy for cost of contractor.	Closed (Yes/No)
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/8/2004	the upper limit switch for the Ratiling Brook crane. We are doing a temp bypass of the switch today Oct 22/2004 (caution tags to be used) to permit re-assembly of Unit 1 but a permanent change to raise the upper limit is required.	completed this workerder. Will have to contact B Guy for cost of	Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/8/2004	Ratiling Brook crane. We are doing a temp bypass of the switch today Oct 22/2004 (caution tags to be used) to permit re-assembly of Unit 1 but a permanent change to raise the upper limit is required.	completed this workerder. Will have to contact B Guy for cost of	Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/8/2004	doing a temp bypass of the switch today Oct 22/2004 (caution tags to be used) to permit re-assembly of Unit 1 but a permanent change to raise the upper limit is required.	completed this workerder. Will have to contact B Guy for cost of	Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/8/2004	switch today Oct 22/2004 (caution tags to be used) to permit re-assembly of Unit 1 but a permanent change to raise the upper limit is required.	completed this workerder. Will have to contact B Guy for cost of	Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/8/2004	(caution tags to be used) to permit re-assembly of Unit 1 but a permanent change to raise the upper limit is required.	workerder. Will have to contact B Guy for cost of	Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/8/2004	(caution tags to be used) to permit re-assembly of Unit 1 but a permanent change to raise the upper limit is required.	have to contact B Guy for cost of	Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/5/2004	a permanent change to raise the upper limit is required.	Guy for cost of	Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/5/2004	a permanent change to raise the upper limit is required.		Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane		12/8/2004	upper limit is required.		Yes
34522 Powe 34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection rerhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane					
34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection		93 Preventive Maintenance (M3)	10000004		. ,	
34522 Powe 34522 Powe 34522 Powe	erhouse Crane Operational Inspection		,		I)nspection	1	Yes
34522 Powe		RBK: Powerhouse Overhead Crane	1		Powerhouse Crane Operational		
34522 Powe		Note Chemoday Orement Clair	Ing Preventive Maintenance (M3)	10/5/2004	Inspection		Yes
34522 Powe	erhouse Crane Operational Inspection		I TEVETICAL MISSISSISSISSISSISSISSISSISSISSISSISSISS		Powerhouse Crane Operational		1 69
34522 Powe	embose Clane Obelendial Inspection	RBK: Powerhouse Overhead Crane	B3 Desugative Maintenance (M3)		Inspection		Yes
		Marc / Biverrouse Overriead Cibite	CO L I CARITORE IN BILITELIBITES (NID)	10/3/2004	Powerhouse Crane Operational		165
	archeuse Conse Constituent In-section	RBK: Powerhouse Overhead Crane	D3 Composition Mariety	40/5/00/14		j ,	
34522 Powe	erhouse Crane Operational Inspection	RBX: Powerhouse Overhead Crane	na Nieveunae Mailiteuauce (Wa)	10/5/2004	Inspection		Yes
34522 POWE		and a second second	00.00	40/500-44	Powerthouse Crane Operational		i
I	emouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Prevenuve Maintenance (M3)	10/5/2004	Inspection	L	Yes
		L			Powerhouse Crane Operational		
34522 Powe	erhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	10/5/2004	Inspection		Yes
!		\	ì)		Inspection was	İ
ŀ	•					completed by	i
						Dover Crane over	İ
			l i	i :		a three hour time	i
30870 Powe	erhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	5/4/2004	Inspection		Yes
		1	[ţ	i	Inspection was	1
ì		1	1			completed by	İ
		İ				Dover Crane over	i
	•				Powerhouse Crane Operational	a three hour time	İ
30870 Powe	erhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	5/4/2004	Inspection	period,	Yes
						Inspection was	
Į .		Ļ	,	\	i T	completed by	
		1	1			Dover Crane over	i
					Powerhouse Grane Operational	a three hour time	i
30870 Powe	remouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	D3 Preventive Maintenance (M3)	5/4/2004	Inspection	period.	Yes
		T				Inspection was	
1			1		1	completed by	i
1		1	1		i '	Dover Crane over	į
				i '	Powerhouse Crane Operational	a three hour time	i
30870 Powe	rethouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	5/4/2004		period.	Yes
						inspection was	
		1	İ			completed by	i
- 1		Į.	Į.	\		Dover Crane over	i
ì			1			a three hour time	İ
30870 Powe	remouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenance (M3)	5/4/2004	Inspection	period.	Yes
			1			Inspection was	·
		1	l			completed by	i
		1		· ·		Dover Crane over	i
ı	9		{	\		a three hour time	İ
	verhouse Crane Operational Inspection	RBK: Powerhouse Overhead Crane	03 Preventive Maintenages (43)	5/APRDA	Inspection	period.	Yes
30870 Pows	International Chemical Instruction	Lithie Laurellong Overliego Claire	OS 1 (CACITO AC INCIDENTALICS (MS)	3/4/2004		DELION.	123
30870 Powe	· ·	•			Powerhouse Crane Operational		,

RBK: Powerhouse Plumbing

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
			i . 		Sump pit pump not working properly		
•					sittl floods sometimes with 2 machines		
26567	Repair Sump pit pump	RBK: Powerhouse Plumbing	05 Repair		on line.		No

RBK: Powerhouse Ventilation System

Work Order	Work Order Title	Entity Name	Wark Type	Date work completed	Description	Clasing Comments	Closed [Yes/No)
						Investigation to determine why the large exhaust fan	,
1 1						西 RBK plant is periodically tripping the overload	1
						relay. All voltage and current checks appear OK.	1
			1			physical inspection of contactor shows contact wear	
1			ł	1		to the right side phase which is beyond field	
1 1						dressing, contact need to be replaced.	i i
1 1					As per Pat O'keele, we need to replace the contacts	Arrangements made to acquire new contacts or	
50936	Replace Starter Contacts for Exhaust Fan of Rattling Brook	RBK: Powerhouse Ventilation System	05 Repair	5/19/2008	in the starter for the building exhaust fan.	replace contactor. OK	Yes
1 1					We have had several ottempts at stopping the		
		1			leakage of oir from the pliot valve and new parts are		
40923	Permanant Repair Required on Louvres	RBK: Powerhouse Ventilation System	05 Repair			OK	Yes
		İ			We have had several attempts at stopping the		
i I		i			leakage of air from the pilot valve and new parts		
1		1	\		have been ordered, however the leakage is so great		1
		1			that we should replace the o-rings in the pilot valve		1
1 1					now to keep the louvres operational until the correct		
40176	Repair Louvers	RBX: Powerhouse Ventilation System	05 Repair	3/8/2005			Yes
						louvent are still operating right. Parts that normally	
40146	Repair Louvers	RBK: Powerhouse Ventilation System	05 Repair	3/2/2005	Plant freezing up because louvers not closing.	wear ordered.	Yes
1		1	1		The building extraust fans need to be inspected to		
1 1			i		check for proper operation including condition of		
1		<u></u>	I		belts and shaft and motor bearings. This should be		l
32295	Inspect Building Exhaust Fans	RBK: Powerhouse Ventilation System	[0] Inspection/Investigation	1 6/1/2004	done prior to increasing seasonal temperatures.		Yes

RBK: Rattling Brook Hydro Plant

Nork Order	Work Order Title	Entity Name	Work Type	Date work completed		Closing Comments	Closed (Yes/)
51271	Replace Water Level Transducer and DC Lightening Protection	RBK: Ratiling Brook Hydro Plant	05 Ressie		As per Bill Guy: "replace gate opening monitoring transducer, one Electrician and one tech four hours."		
<u> </u>	replace states react translation file por relinerated a translation	Kar Karmin Biggs HARD Light	us Repair		The lightening arrestor has falled and needs to be		No
44791	Investigate False Water Level Reading	RBK: Rattling Brook Hydro Plant	05 Repair		replaced,	<u> </u>	No
ì	····				As per Jeremy Decker/Kevin Gill, we need to take an		
					inventory of the lockout relays in service in all plants		
	·			1	including manufacturer, type, number of contacts and trip coil type as well as the voltage rating and burden.		
38905	Inventory Lockout Relays	RBK: Rattling Brook Hydro Plant	D1 Inspection/lovestination	-	This will assist us in determining		No
					Tributin again, as tri describining	When filling out time cards, both were put	140
22258	Repair G1 and G2 Head Cover Flood Alarms	RBK: Rattling Brook Hydro Plant	05 Repair	<u></u>	<u> </u>	against task #1.	Yes
						Drawing revisions to accurately record trip and	
- 1			Į	Į	As per John Budgell, we need to check trips and alarms		
ì					on each unit and we need to reinstate the trush rack	completed. The investigation of the trash rack	
					block trip/alarm. The plant did not trip on trash racks blocked during the Ice problems that occurred on the	blocked protection revealed that the system wasn't of a fallsafe design and had multiple]
48290	Check Trips and Alarms on Both Units and Reinstale Trash Rock Block Trip/Alarm	RBK: Rattling Brook Hydro Plant	O1 Inspection/Investigation		week of the 23rd of January.	fallures active.	Yes
			<u> </u>		As per John Budgell, we need to check trips and alarmy	Innated Wester	1.00
					on each unit and we need to reinstate the trash rack		l
			l		block trip/alerm. The plant did not trip on tresh racks		
48300	Check Trips and Alarms on Both Units and Reinstate Trash Rock Block Trip/Alarm	DOM: Battles Coast Mark 191-1	Da fare - N - N		blocked during the ice problems that occurred on the	L	L
70200	where they and exems on root tills and remaine train rack block inp/Alaim	RBK: Ratiling Brook Hydro Plant	n i ilisbectiotriuresaturion	21/12006	week of the 23rd of January. With the change in temterature we have a lot if ice on	See comments on task 1 OK	Yes
			1		trash racks causing the the plant to big of. We will	i	
48263	Remove fee From Trash Rack	RBK: Rattling Brook Hydro Plant	03 Preventive Maintenance (M3)	1/25/2005	require a diving crew to remove this Ice.	Switching Order 131690 OK	Yes
				<u> </u>	As per Tom Hanlon, the cooling water strainers which		
		L			serves both units were blocked and needed to be		
44/93	Clean Cooling Water Strainers	RBK: Rattling Brook Hydro Plant	03 Preventive Maintenance (M3)	8/19/2005			Yes
1					As per Tort Hanlon, the cooling water strainers which		
42430	Clean Cooling Water Strainers	REK: Rattling Brook Hydro Plant	G3 Dreventive Maintenance (M33)	5/31/2005	serves both units were blocked and needed to be	lali strainers on system removed and cleaned :	
		Trons rational Cipos Hydra Flatte	OD T-TEVERINDE MARKETINE (N)2)	3/3/12/03	Clearled.	A.C. feed surpe arrestor of Amy's water level	Yes
- {			1	ì	The lightening arrestor has falled and needs to be	system was replaced & S/S neutral bonded to	
41510	Investigate False Water Level Reading	RBK: Ratiling Brook Hydro Plant	05 Repair	5/11/2005	replaced.	equipment ground at S/S entrance. OK	Yes
					Pout Trickett reported that the water level at Amy's Gate		
					is reading out. Over the past couple of years, we have	· ·	
	· ·			İ	had instances where the water level was out as much as six feet but was resolved by regional stalf and other	1	
41610	Investigate False Water Level Reading	RSK: Rattling Brook Hydro Plant	O1 Inspection/lovestication	5/10/2005	Instances where the technologist	ок	Yes
					Byrun Hayler notes that there have been several call	<u> </u>	1169
- !					outs recently due to intruder alarms at the plant. Each	İ	l
- 1)	ì	call out did not result in any unusual findings so each]	1
40996	Investigate Faire Intruder Alagras	RBK: Ratiling Brook Hydro Plant	0+	4/40/00/00	has been determined to be talse alarms. After speaking with Rick Mercer, the problem ma		
10230	Miccapilate Comme diabate Cartitle	RBK. Naturij bjook Hytira Fasin	o i inspeczonoji vesugandit	4/12/2003	With Flick Mercer, the problem ma	dia control center building GK	Yes
					We will be carrying out an inspection of both the		
					switchgear and penstock at Raitling Brook as part of the		
36930	Engineering Investigation of Ruttling Brook	RBK: Rattling Brook Hydro Plant	01 Inspection/Investigation	2/24/2005	preparation for the upcoming Capital program for 2006.		
2020	Engles wise Inspellentian of Betties Great	DDK-5-W			This work to be carried out in determing the required	Work complete & time charged to Task 1 DK	
389091	Engineering Investigation of Rattling Brook Internal Turbine Inspection Required	RBK: Rattling Brook Hydro Plant RBK: Rattling Brook Hydro Plant		2/24/2005	work for the capital program in 2006		Yes
40533	THE TELEVISION OF TELEVISION	Trees, reasonal properties biggs	Les monadan		February 15 – Outage to units 1 and 2 to complete	DK	Yes
			l	1	internal As per Gary Murrays comments, Internal		
					inspection of runners, wicket gates, scroll case, etc. (SO		
				1	Prepared by John Budgell) This will be an 8 hour	Internal inspection complete, report to follow	
38909	Internal Turbine Inspection Required	RBK: Rattling Brook Hydro Plant	O1 Inspection/Investigation	2/18/2005	outage to the turbines: The fol		Yes
35000	Internal Trading Inspection Construct	BBK Barrie Barrie III .			This is to be completed as part of the inspection	l	
20008	Internal Turbine Inspection Required	RBK: Rattling Brook Hydro Plant	v i inspection/jgves0gation	2/16/2005	required for capital upgrade work preview.		Yes
38930	Engineering Investigation of Ratiling Brook	RBK: Rattling Brook Hydro Plant	12 Isolation	2/11/2005		prepare switching order and assist in plant	_{1,e}
	and and the same of the same	Trees rearried piens tring Hall	LE INDIGIDITE	21 1/2005		Removal and installation of new Omega float	Yes
			Ī	1		devices. Materials; Omega floats LV-10,	
						conduit, bushings, L.T. Cable, connectors,	1
			l	l	G1 & G2 Head Cover flood plarms not working on both	5X6X4 PVC boxes, 24VDC relays, Terminal	l
	Repair G1 and G2 Head Cover Flood Alaims	REK: Ratiling Brook Hydro Plant		8/11/2003		blocks and Din Rail Cost \$300	

52292 Polat 52292 Polat 51514 Gend 51055 Gend 51052 Gend 51023 Oil St	izalion Index Testing izalion Index Testing erating Equipment Visual Inspection (monthly)	Entity Name RBK: Rattling Brook Unit 1 RBK: Rattling Brook Unit 1 RBK: Rattling Brook Unit 1	12 Isolation	Date work completed	Description	Clesing Comments	Closed (Yes/No) No
52292 Polat 52292 Polat 51514 Gend 51055 Gend 51052 Gend 51023 Oil St	izalion Index Testing izalion Index Testing erating Equipment Visual Inspection (monthly)	RBK: Rattiling Brack Unit 1	12 Isolation				
52292 Polut 51514 Gene 51055 Gene 51052 Gene 51023 Oil S	izalion Index Testing erating Equipment Visual Inspection (monthly)						lNa
51055 Gene 51052 Gene 51023 Oil St			02 Predictive Maintenance				No
51052 Gent 51023 Oil St		RBK: Rattling Brook Unit 1	01 Inspection/Investigation	7/13/2006			No
51023 Oil St	erating Equipment Operational Inspection (6-month)	RBK: Rattling Brook Unit 1		6/8/2006		OK	Yes
		RBX: Rattling Brook Unit 1	O1 Inspection/Investigation	E/14/2006		EVERY THING OK OK	Yes
						WC # RBK G-1 THB-666677 WC # G-1 LGB-666678	1
Carefie	gampling & Anaylsis - Bearing System	RBK; Rattling Brook Unit 1	03 Preventive Maintenance (M3)	6/27/2006		WC # G-1 TUB-666679 Received 2006-06-27 OK	Yes
1 503951136016	erating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 1	O1 Inspection/Investigation	5/10/2006		OK	Yas
49302 Gend	erating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 1	01 Inspection/Investigation	4/12/2006		OK	Yes
1 1 '		-			Before an effective PM job can be carried out, we		
1 1	i				need to set up each unit such that the equipment		
i 1	į				can be readily attached to each bearing. Also, the		
1 1	1				software should be set up for the information		
	i				collection for each site/plant with the appropriate		
					Baseline Signatures developed such that the PM		
49068 Vibra	gtion PM Set Up and Baseline Signature Development	RBK: Rattling Brook Unit 1	07 Project - Capital	3/13/2006	can be carried out on a yearly go forward basis.	same time worked on task by student eng. OK	Yes
	•				Before an effective PM job can be carried out, we	<u> </u>	1
	٠				need to set up each unit such that the equipment	,	1
1			ı		can be readily attached to each bearing. Also, the	· · · · · · · · · · · · · · · · · · ·	1
	. i		1		software should be set up for the information		1
1 .			<u> </u>		collection for each site/plant with the appropriate		1
1			1		Baseline Signatures developed such that the PM		
1 1			1		can be carried out on a yearly go forward basis.		1
			I		The next part of this job is analyse the baseline		l.,
		RBK; Rattling Brook Unit 1			test results.	7312	No
48503 Gend	erating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 1	DT Inspection/investigation	3/15/2006		OK	Yes
1 F						RBK G-1 THB WC # 665692 RBK G-1 LGB WC #	İ
			l			666669 RBK G-1 TUB WC #666670 Samples	l.,
			03 Preventive Maintenance (M3)	3/15/2006		recleved.	Yes
			D1 Inspection/Investigation	2/8/2006		<u>ok</u>	Yes
		RBK: Rattling Brook Unit 1		1/19/2005			Yes
		RBK: Ratiling Brook Unit 1 RBK: Ratiling Brook Unit 1		12/14/2005		OK	Yes
40007 Gene	terating Equipment Visual Inspection (monthly)	HBR: Hamming Elbox Ont. 1	n i stabectominesistation	12/13/2005		WC # 688723 RBK-G1-TUB 656724 RBK-G1-	Yes
							1
46024 011 0	Sampling & Anaylsis - Bearing System	BBK: Battling Smok I told 1	03 Preventive Maintenance (M3)	12/7/2005		LGB 666725 RBK-G1-THB Samples recieved.	Yes
	graling Equipment Visual Inspection (monthly)		01 Inspection/Investigation	11/15/2005		tedeyed.	Yes
	grating Equipment Visual Inspection (monthly)		101 Inspection/Investigation	10/19/2005		ок	Yes
	erating Equipment Visual Inspection (monthly)		01 Inspection/Investigation	TOTTELLUS			No
	terating Education Vision (topeodell (thempily)	ADIC HISTORY DIDER ONL 1	THE HEADECHOTE HIVE SAGARION			THB WC # 665855 LGB WC # 666854 TUB WC #	1140
44243 CD S	Sampling & Anaylsis - Bearing System	RBK: Ratiling Brook Unit 1	03 Preventive Maintenance (M3)	9/13/2005		665856. Samples recieved.	Yes
						THE WC # 666655 LGB WC # 656854 TUE WC #	
44243 Oil St	Sampling & Anaylsis - Bearing System	RBK: Ralling Brook Unit 1	03 Prevestive Maintenance (M3)	9/13/2005		686856, Samples recieved.	Yes
		RBK: Rallling Brook Unit 1		3/14/2008		done OK	Yes
		RSK: Rattling Brook Unit 1		3/14/2006			Yes
	erating Equipment Visual Inspection (monthly)		01 Inspection/Investigation	8/10/2005			Yes
	jace Packing On Fower Piston	RBK: Rattling Brook Unit 1					No
	erating Equipment Visual Inspection (monthly)	RBK: Ratiling Brook Unit 1		7/12/2005			Yes
	rerating Equipment Operational Inspection (6-month)		O1 Inspection/Investigation	6/29/2005		•	Yes
	erating Equipment Visual Inspection (monthly)		Of Inspection/Investigation	6/14/2005		OK	Yes
		<u> </u>	1			wc# rbk-g1 thb -651408 wc # rbk-g1 lgb- 651409 wc #	1
41778 Oil S	Sampling & Anaylsis - Bearing System	RBK: Rattling Brook Unit 1	03 Preventive Maintenance (M3)	6/15/2005		rbk g1 tub 651410 Received 2005-06-17	Yes
	erating Equipment Visual Inspection (monthly)		Ot Inspection/investigation	5/12/2005		ОК	Yes
						This time was for updating the MSDS sheets for the	1
40341 Gene	nerating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 1	Ot Inspection/Investigation	5/2/2005		stations at Rattling.	Yes
			01 Inspection/Investigation	3/23/2005		OK	Yes
						RBK-G1-WC #651289-GI- LGB-WC #651270 -RBK -	1
	Sampling & Anaylsis - Bearing System		03 Preventive Maintenance (M3)	3/3/2005		G1-TUB -WC # 651271 Samples recieved	Yes
			01 Inspection/Investigation	2/9/2005			Yes
			01 Inspection/Investigation	1/24/2005		ok	Yes
			01 Inspection/Investigation	12/14/2004			Yes
	grating Equipment Visual Inspection (monthly)		01 Inspection/Investigation	12/14/2004			Yes
	Sampling & Anayisis - Bearing System		03 Preventive Maintenance (M3)	12/10/2004		ak Recieved Dec 14/04	Yes
	erating Equipment Visual Inspection (monthly)	RBK: Rallling Brook Unit 1	O1 Inspection/Investigation	11/29/2004		lok .	Yes

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Clarks Co.	127
35398	Generating Equipment Visual Inspection (monthly)	RBK: Rallling Brook Unit 1	01 Inspection/Investigation	12/7/2004	Poreitalist	Closing Comments	Closed (Yes/N
			· · · · · · · · · · · · · · · · · · ·		······	All activities were not completed due to rewind taking	Yes
34632	Generating Equipment Visual Inspection (monthly)		01 Inspection/Investigation	9/30/2004		place on unit.	
34602	Oil Sampling & Anaylsis - Bearing System	RBK: Rattling Brook Unit 1	03 Preventive Maintenance (M3)			place on time	Yes
						An everhoul for rewind is now in progress on RBK-G1.	No
34009	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 1	01 Inspection/Investigation	8/28/2004		OX	
33721	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 1	Of Inspection/Investigation	7/13/2004		OK OK	Yes
	Generating Equipment Operational Inspection (6-month)		Of Inspection/Investigation	6/30/2004		replaced one comm & 3 slipring brushes	Yes
33065	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 1	Dt Inspection/investigation	6/11/2004		replaced the comin & 3 slipning prosnes	Yes
						Missa Charle Number of the second	Yes
				·		Wear Check Numbers are as follows: RBK-G1-THB	
	Oil Sampling & Anaylsis - Bearing System	RBK: Rallling Brook Unit 1	03 Preventive Maintenance (M3)	6/9/2004		612627 RBK-G1- LGB 612628 RBK-G1- TUB	
32249	Generating Equipment Visual Inspection (monthly)		O1 Inspection/Investigation	5/17/2004		612629 Samples Recleved	Yes
31825	Generaling Equipment Visual Inspection (monthly)		O1 Inspection/Investigation	4/20/2004			Yes
31000	Generating Equipment Visual Inspection (monthly)		01 Inspection/Investigation	3/31/2004			Yes
			The position of the control of the c	3/3 1/2004			Yes
		ļ				WC Numbers: RBK-G1-LGB - 612612	
30970	Oil Sampling & Anaylsis - Bearing System	RBK- Rettling Brook Light 1	03 Preventive Maintenance (M3)	3/23/2004		RBK-G1-TUB - 612613 RBK-G1-THB -	Į.
30854	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 1	Of Inspection/Inspection/ins	2/25/2004		612614 Recieved	Yes
30625	Oil Sampling & Anaylsis - Bearing System	Rek: Retilion Brook Unit 1	D3 Preventive Maintenance (M3)				Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rallling Brook Unit 1	03 Fleventive Maintenance (M3)	2/24/2004	· · · · · · · · · · · · · · · · · · ·	WC Number's 612607 612608 612609	Yes
		TENCT VALUE OF LINE I	a i napectoromvestigation	1/27/2004			Yes
29882	Oll Sampling & Anaylsis - Bearing System	SSK: Patting Break Link 1	03 Preventive Maintenance (M3)			RBK G-1-TUB WC # 612486 RBK G-1-THB WC #	
	Generaling Equipment Operational Inspection (6-month)	RBK: Ratiling Brook Unit 1	03 revenue Maintenance (M3)	1/9/2004		512457 RBK G-1-LGB WC # 612458	Yes
		TABLE Ranking Brook Only 1	o i nispection/investigation	12/18/2003	· · · · · · · · · · · · · · · · · · ·		Yes
		1					
.]						checked on information from Herb Synder , no smell	
29567	Generating Equipment Visual Inspection (monthly)	DDK DWW DLitera		i		from oil but to much to be just grease checking on	
	- and any exercise visual inspection (monney)	RBK: Rattling Brook Unit 1	un inspection/investigation	11/13/2003		warranty for unit .John Curran up dated on unit .	Yes
29536	Oil Sampling & Anaylsis - Bearing System	RBK: Ratiling Brook Unit 1				RBK - GI-TUB WO# 612538 RBK - GI - THE WO#	
29100	Generating Equipment Visual Inspection (monthly)		03 Preventive Maintenance (M3)	12/9/2003			Yes
	осневану спринен мары (паресной (пирили)	RBK: Rattling Brook Unit 1	O1 Inspection/Investigation	11/26/2003			Yes
		1	i			WC numbers : RBK-G1-TVB 581542	
29059	Oil Sampling & Anayisis - Bearing System	India a				RBK-G1-1GB 581541	
20000	en entithuid a vinntara - pertitif platfill	TREAS REMAINS Brook Unit 1	D3 Preventive Maintenance (M3)	11/25/2003	_	RBK-G1-THB 581540	Yes

Work Order	Work Order Title	Entity Name	Wark Type	Date work completed	Description		Closed (Yes/No
		RBK: Rattling Brook Unit 2		Duid WORK COMPRETED	- Description	Clasing Comments	No.
	Polarization Index Testing	RBK: Rattling Brook Unit 2					No
522931	Polgrization Index Testing	RBK: Rettling Brook Unit 2					No
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2		7/13/2008			No
	Generating Equipment Operational Inspection (6-month)	RBK: Rattling Brook Unit 2		8/8/2006		ОК	Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Railling Brook Unit 2		6/12/2006		EVERY THAIG OK OK	Yes
						WC # RBK G-2 THB-666674 WC # G-2 LGB -666875 WC #	Tes
51024	Off Sampling & Anaylsis - Bearing System	RBK: Rattling Brook Unit 2	03 Preventive Maintenance (M3)	6/22/2006		RBK G-2 TUB-666676 Received 2006-05-27 OK	l
	Generaling Equipment Visual Inspection (monthly)	RBIC Rattling Brook Unit 2	61 Inspection/Investigation	5/10/2006		IOK	Yes Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	01 Inspection/Investigation	4/12/2006		OK	Yes
			w i mapearate me programme	#122000	Before an effective PM job can be carried out, we need	ion .	Yes
49069	Vibratian PM Set Up and Baseline Signature Development	RBK: Ralling Brook Unit 2	D7 Pmjert - Cnoës)	3/45mhna	to set up each unit such that the equipment can be readily attacted to each bearing. Also, the software should be set up for the information collection for each site/plant with the appropriate Baseline Signatures developed such that the PM can be carried out on a yearly of plantar baseline.		A
72302	AIDITION IN COLUMN DESCRIPTION OF A PROPERTY	TEST THERMING LINES	tor Project - Gapital	3/13/2000	yearly the lulward basis.	same time worked on task by student eng	Yes
	Vibralion <u>PM Set Up and</u> Baseline Sk <u>pralure Development</u>	RBK: Rattling Brook Unit 2			Before an effective PM job can be carried out, we need to set up each unit such that the equipment can be readily attached to each bearing. Also, the software should be set up for the information collection for each stierplant with the appropriate Baseline Signatures developed such that the PM can be carried out on a yearly go forward basis. The next part of this job is analyse the baseline test results.		Na
48504	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	Ot Inspection/Investigation	3/15/2006		OK	Yes
	*		i			RBK-G2 THB WC # 666689 RBK-G2 LGB WC # 666890	1
	Oil Sampling & Anaylsis - Bearing System	RBK: Ratiling Brook Unit 2	03 Preventive Maintenance (M3)	3/15/2006		RBK-G2 TUB WC # 556891 Samples recleved.	Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	O1 Inspection/Investigation	2/8/2005		ОК	Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2		1/19/2008			Yes
	Generating Equipment Operational Inspection (6-month)	RBK: Rottling Brook Unit 2		12/13/2005			Yes
48858	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	O1 Inspection/Investigation	12/13/2005		СК	Yes
40885					·	WC # 666719 RBK G2 TUB- WC # 666720 RBK-G2 -LGB WC # 666721 RBK G2 THB WC # 656719 RBK G2 TUB WC # 666720 RBKG2 LGB WC #666721 RBK G2 THB	163
	Oil Sampling & Anaylsis - Bearing System	RBK: Rattling Brook Unit 2	03 Preventive Maintenance (M3)	12/7/2005		Samples recieved.	Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	01 Inspection/Investigation	11/15/2005			Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2		10/20/2005		ОК	Yes
44274	Generating Equipment Visual Inspection (monthly)	RBK: Ratiling Break Unit 2	01 Inspection/Investigation	9/9/2005		ОК	Yes
1						THB WC # 666851 TUB WC # 666852 LGB WC # 666853,	
	Oil Sampligg & Anaylsis - Bearing System	RBK: Rattling Brook Unit 2	03 Preventive Maintenance (M3)	9/13/2005		Samples recieved.	Yes
	Polarization Index Testing	RBK: Rattling Brook Unit 2		3/14/2006		OK .	Yes
	Palarization Index Testing	REK: Rattling Brook Unit 2		3/14/2008			Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	01 Inspection/Investigation	8/10/2005		every thing ok at time of inspection	Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	01 Inspection/Investigation	7/12/2005		ОК	Yes
4152/	Generating Equipment Operational Inspection (6-month)	RBK: Ratiling Brook Unit 2	Q1 Inspection/Investigation	8/28/2005			Yes
4101010	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	O1 Inspection/Investigation	6/15/2005		OK	Yes
	Dil Sampling & Anaylsis - Bearing System Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	03 Preventive Maintenance (M3)	6/15/2005		wc # rbk-g2 thb 651411 wc # rbk g2- lgb 651412 wc # rbk -g2 tub 651413 Received 2005-06-17	Yes
7,120	oconomia edalhinour aradai inshorinti (maurilla)	RBK: Rettling Brook Unit 2	UL INSPECTION/INVESTIGATION	5/11/2005			Yes
48343	Generating Equipment Visual Inspection (monthly)	DOV: Calling Death 11-4-	D4 (-	This time was for updating the MSDS sheets at Rattling	
	Generaling Equipment Visual Inspection (monthly)	RBK: Rallling Brook Unit 2	u i mapection/investigation	4/28/2005		Brook.	Yes
Juzza	errorand edebution action mathematic (digitality)	RBK: Rattling Brook Unit 2	U I INSPECTION/INVESUGITION	3/18/2005		OК	Yes
39101	Dil Sampling & Anaylsis - Bonring System	DRY: Bottling Beach time 2	03 Preventive Maintenance (M3)			RBK-G2- THB-WC #651272 RBK-G2 LGB- WC #651273	
	Generating Equipment Visual Inspection (monthly)	RBK: Ratting Brook Unit 2		3/3/2005		RBK-G2 TUB WC #651274 Sample recleved	Yes
375581/	Generaling Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	Of Inspection/myesigation	2/10/2005			Yes
	Seneraling Equipment Operational Inspection (6-month)	RBK: Rattling Brook Unit 2	Of Inspection/investigation	1/17/2005			Yes
37058 7	Senerating Equipment Visual Inspection (monthly)	RBK: Ratilling Brook Unit 2	D1 Inspection/investigation	12/13/2004			Yes
37027 (Oil Sampling & Anaylsis - Bearing System		03 Preventive Maintenance (M3)	12/13/2004			Yes
35927 (Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	03 Freventive Magnenance (M3)	12/10/2004			Yes
	Senerating Equipment Visual Inspection (monthly)	RBK: Ratiling Break Unit 2	O1 Inspection/investigation	11/30/2004		ok	Yes
			a maharinininasinianou (10/19/2004		ak	Yes
3453310	Senerating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2	O1 Intraction/Immediation	9/23/2004			Yes

Work Order	Work Order Title	Entity Name	Wark Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
							-Inaca (TESITO)
1			1			wear check # 635062 Is for thoust bearing on g-2 wear	
		1				check #635083 is for lower guide bearing g-2 wear check #	l
	Oll Sampling & Anaylsis - Bearing System		03 Preventive Maintenance (M3)	9/29/2004			Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattiing Brook Unit 2		B/31/2004			Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2		7/13/2004			Yes
	Generaling Equipment Operational Inspection (6-month)	RBK: Rettling Brook Unit 2		7/5/2004			Yes
33066	Generating Equipment Visual Inspection (monthly)	RBK: Rallling Brook Unit 2	Ot Inspection/Investigation	6/11/2004			Yes
			ł.			Wear Check Numbers are as follows: RBK-G2-THB 635074	i
[RBK-G2-LGB 635075 RBK-G2-TUB 635076 Samples	•
	Oil Sampling & Anaylsis - Bearing System		03 Preventive Maintenance (M3)	6/9/2004		Recieved	Yes
	Generaling Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2		5/13/2004			Yes
	Generaling Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2		4/28/2004			Yes
31001	Generaling Equipment Visual Inspection (monthly)	REK: Rattling Brook Unit 2	01 Inspection/Investigation	3/31/2004	<u> </u>		Yes
1 1			1	-		WC Numbers : RBK -G2-TUB - 612615 RBK	i
		<u> </u>	l			G2- LG8- 612616 RBK-G2- THB- 612615	[
	Oil Sampling & Anaylsis - Bearing System		03 Preventive Maintenance (M3)	3/24/2004		Recieved	Yes
	Generating Equipment Visual Inspection (monthly)	RBK: Rattling Brook Unit 2		2/10/2004			Yes
306261	Oil Sampling & Anaylsis - Bearing System		03 Preventive Maintenance (M3)	2/24/2004			Yes
59936	Generating Equipment Visual Inspection (monthly)	HBK: Ratifing Brook Unit 2	01 Inspection/Investigation	1/27/2004			Yes
1 20000	Oli Compiler E Angulair - Bandun Contam	lane name name	DE Consendire Malutura - 11-1	4,,,		RBK G-2-THE WC # 612489 RBK G-2-LGB WC # 612490	1
29083	Oll Sampling & Anaylsis - Bearing System Generaling Equipment Operational Inspection (6-month)		03 Preventive Maintenance (M3)	1/8/2004		RBK G-2-TUB WC # 812491	Yes
	Generaling Equipment Uperational Inspection (monthly)		01 Inspection/Investigation	12/15/2003			Yes
29568	Generating Equipment Visual Inspection (monthly)	REK: Rattling Brook Unit 2	Ot Inspection/investigation	12/15/2003			Yes
20577	Oil Sampling & Angylsis - Bearing System	PDIC 5-115-115-115		l		RBK - GR - THB WO# 612541 RBX - GR- LGB - WO#	l
	Generating Equipment Visual Inspection (monthly)		03 Preventive Maintenance (M3) 01 Inspection/Investigation	12/3/2003			Yes
29101	Generaling Equipment Visual Inspection (monthly)	HRK: Haming Block Out 5	U1 Inspection/Investigation	11/24/2003	<u> </u>		Yes
20070	Oil Sampling & Anaylsis - Bearing System	RBK: Rattling Brook Unit 2	03 Preventive Maintenance (M3)	11/25/2003		WC numbers RBK-G2-TVB 581517 RBK-G2- THB 581543 RBH-G2-LGB 581544	i
	On Sampand & Anayisa - Bealing System	TROX: Russing Brook Onk 2	03 Preventive Maintenance (M3)	11/25/2003	The trouble with the vibration protection at RBK-G2 has	THB 581543 RBH-G2-LGB 581544	Yes
					theen partially investigated and appears to be caused by		
	•		i		interference on the signal from the vibration conditioner		
1 1					at the machine and the PLC input. The cables are run		1
1 1					with power cables. There has been some conversation	,	į
i l		.	\	ļ	about the cable routing and possible tray installation.		1
1 1				l	The correction to the vibration trip problem was to		
1 1		i			disable the trip until such a time as the decision is made		
1 1		1	i		to install the tray or to re-route temporary cables to		
	Install New SKF Monitors and Cabling for	1	I		verify the problem. Two new SKF monitors are also	Probe head damaged upon closer inspection. Also a	
	Vibration on Turbing and Lower Guide Bearings	RBK: Rallling Brook Unit 2	QB (ristallation	12/3/2003			Yes
		<u>-</u>					
, ,		1	1	1	The trouble with the vibration protection at RBK-G2 has		l
[[1	been partially investigated and appears to be caused by		
		1			interference on the signal from the vibration conditioner		
			i		at the machine and the PLC Input. The cables are run		
		1	1		with power cables. There has been some conversation		
		· ·	1		about the cable routing and possible tray installation.		Ì
1		1			The correction to the vibration trip problem was to		1
1 1		1		ŀ	disable the trip until such a time as the decision is made		l
· [to install the tray or to re-route temporary cables to		
[1	1		verify the problem. Two new SKF monitors are also		i
	Install New SKF Monitors and Cabling for	1	1		required and will be installed by a technologist from	Probe head damaged upon closer inspection. Also a	ŀ
28760	Vibration on Turbine and Lower Guide Bearings	RBK: Rattling Brook Unit 2	05 Installation	1/21/2004	Jeremy Decker's group		Yes
1 <u>1</u> 1	· · · · · · · · · · · · · · · · · · ·				This is follow up work from work order #521830 and		
26616	Inspect Vibration Probes	RBK: Railling Brook Unit 2	O1 Inspection/Investigation	10/10/2003		Please see attached word doc.	Yes
1					Unit creeps sometimes when shutdown, it was shut by		
			1		SCC this morning and was creeping for 4 hours with no		
24232	Investigate Unit Creep on Shutdown	RBK: Rattling Brook Unit 2	ID1 Inspection/Investigation	<u></u>	creep alarm.		No

RBK: Rattling Lake Spillway

L	Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Clarke C	1 mg 1 mg 1 mg 1
	38740	Vegetation Management Required	RBK: Rattling Lake Spillway	1		Brush clearing required this will be done by outside contractor when set up.	Closing Comments	Closed (Yes/No)
	36316	Check Condition Of Catwalk	RBK: Ráttling Lake Spillway	05 Repair		Deteriorated. Needs repairs and painting. Also catwalk narrow dangerous when logs are piled on it. This may be capital job please sent to G. Humby's for engineering assessment on structure & catwalk. This catwalk is fearly narrow & when the stop logs are stored on top of it this creates a safety concern. Could you see what we can do to correct these problems	ı	
	33918	Dam Safety Engineering Inspection (High-1 Category)	RBK: Rattling Lake Spillway	O1 Inspection/Investigation		Dam Safety Engineering Inspection (High-1 Category)		No
ŀ		Storage Dam Site Walkabout	RBK: Rattling Lake Spillway	01 Inspection/Investigation	10/30/2003	Storage Dam Site Walkabout		Yes
ŀ			RBK: Rattling Lake Spillway			Storage Dam Site Walkabout		Yes
L	22002	Parniage dam alie walkenott	RBK: Rattling Lake Spillway	01 Inspection/Investigation	B/19/2003	Storage Dam Site Walkabout		Yes

RBK: Surge Tank

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
					The construction heaters need to be replaced in the		
37127	Replace Surge Tank Building Heaters	RBK: Surge Tank	05 Repair	11/10/2004	surge tank building.		Yes
<u> </u>		1	1 "		Bracing Repairs are required on the surge tank.		
36134	Bracing Repairs Required	RBK: Surge Tank	05 Repair	_	Additional details available from Gary Humby.		No
				· 	This will require the use of an outside contractor to be	job completed by bowringer for \$16,900 hst excutuded	
28670	Repair Ice Damage to Surge Tank	RBK: Surge Tank	05 Repair	10/22/2004	coordinated by Bill Guy	Cost captured oninvoice.	Yes

RBK; U1 BCWS

ork Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Clased (Yes/
					check and lighten if necessary all cooling water gland ruts on RBK G1 & G2.		1
33270	Cooking Water Valve Modifications	RBK: Ut Bearing Cooling Water System	DE Modification - Non-capital	7/8/2004	Also lock all valves in position with locking wire. 2 PPM for 2 hours.	Ok	Yes
		Ţ		1	In an effort o to reduce or minimize the trips associated with this we will		122
			1	1	investigate and adjust the trip setting on the flow for this line. It is currently set at		
32094	Reduce St Gland Water Supply Flow	RBK: U1 Bearing Cooling Water System	OI Inspection/Investigation	4/15/2004	3/4 Gal/Min.	trip adjusted to a lower setting. Trip adjusted lower	Yes
		1	1		A switching order is required to isolate the machine to remove the cooling water		+
31883	Remove Cooling Water Strainers for Maintenance	RBK: U1 Bearing Cooling Water System	Of Inspection/Investigation	1	strainers for maintenance.		2/0
							-1174
		ł	i e		The existing cooling water strainers are original to the facility and are non-		1
					operational. We need to investigate if the strainers are in a suitable condition for		ı
				l .	extended service and make recommendations for follow up action. An external		ł
				1	investigation was carried out and it was decided that the strainers should be		İ
31883	Ramove Coolity Water Strainers for Maintenance	RBK: U1 Bearing Cooling Water System	CB Preventive Maintenance (M3)	1	removed from service and sandidasted, freed up and re-installed.		No
	'		******	1			THES
				1	The existing cooling water strainers are original to the facility and are non-	L	
		t		1		The strainers were inspected externally and it was decided to dismunial them	
				[and repart the operating arms as no maintence has been done on them since	
				l .	extended service and make recommendations for follow up action. In addition	they were installed in 1958. Modifications to the cooling system are to be done	1
				i .	there is some question as to whether or not the piping arrangement is suitable for]
				i	todays use. The existing piping allowed for the use of a sprinkler system which	removed over the years therefore this filter system is sized for a greater	
3.220	Inspect Cooling Water Strainers	DOM: 144 Carrier Carling Shides Contact	ma to one of the state of		has been removed, this may account for the existence of two systems feeding	demand than its under today. I feel that this litter system could be put in service	
31320	ILEDECT COOK MA AANSEL OURSELE	RBK: Lt1 Bearing Cooling Water System	TII IMEDECOGINIDAREGUATION	2/25/2034	the same bearings.	for many years to come if some maintence was done to it.	Yes
		1		1		I replaced the section of piping and the reducing valve. This piping was consided	1
						and leaking. The reducing station used in the plant on G1@ G2are undersized	
		l	1		Replace two pressure reducing valves on RBK Plant cooling water supplies.	refer to drawing # NL-11900-1. This is only a tempory fix on G2 because of the	•
	Replace Pressure Reducing Valves		05 Repair	12/29/2003	Valves are 1 1/4 inch treaded with a maximum rating of 215 psi.	undersized priving and the concision.	Yes
	RBK1 Bearings Weekly Visual Inspection		Ot Inspection/Investigation	ļ	RBK1 Bearings Weekly Visual Cooling Water System Inspection		No
	RBKI Bearings Weekly Visual Inspection		Dt Inspection/investigation	·!	RBK1 Bearings Weekly Visual Cooling Water System Inspection		No
	REKI Bearings Weakly Visual Inspection		Dt Inspectize/Investigation	ļ	RBICL Bearings Weekly Visual Cooling Water System Inspection		No
	RBK1 Bearings Westly Visual Inspection	RBIC Ut Bearing Cooling Water System	DI Inspection/Investigation	10/28/2003		OK	Yes
	RBK1 Bearings Operational Inspection		03 Preventive Maintenance (M3)	9/12/2001	RBK1 Bearings Operational Cooling Water System Inspection	Solencid's not in service on RBK G-1	Yes
	RBK1 Beatings Weekly Visual Inspection	RBK: U1 Bearing Cooling Water System	O1 Inspection/Investigation		ABK1 Bearings Weekly Visual Cooling Water System Inspection		No
			O1 Inspection/Investigation	ļ	RBK1 Bearings Weekly Visual Cooling Water System Inspection		No
	RBK1 Bearings Weskly Visual Inspection		O1 Inspection/Investigation	1	RBK1 Bearings Weekly Visual Cooling Water System Inspection		Na
	RBK1 Bearings Weekly Visual Inspection	RBK: U1 Bearing Cooling Water System	O1 inspection/invastigation		RBK1 Bearings Weekly Visual Cooling Water System Inspection		No
	RBK1 Bearings Weakly Visual Inspection	RBK: U1 Bearing Cooling Water System	@1 Inspection/Investigation	9/29/2003	RBK1 Bearings Weekly Visual Cooling Water System Inspection		Yes
24318	pland cooling water leak	RBK: U1 Bearing Cooling Water System	DS Repair	7/29/2003	Replace allow on grand cooling water		Yes
	HBK1 Bearings Weekly Visual Inspection		Ut Inspection/Investigation		RSK1 Bearings Weekly Visual Conting Water System Inspection		No
	RBK1 Bearings Weekly Visual Inspection		Dt Inspection/Investigation		RBK1 Bearings Weekly Visual Cooling Water System Inspection		No
	RBK1 Bearings Weekly Visual Inspection		Of Inspection/Investigation		RBK1 Bearings Weekly Visual Cooling Water System Inspection		No
	RBK1 Bearings Weekly Visual Inspection		DI Inspection/Investigation	8/29/2003	REKT Bearings Weekly Visual Cooling Water System Inspection		Yes
	Repair Pressine Rethining Valve		DS Repair			 	No
	Repair Pressure Reducing Valve	RBIC Ut Bearing Cooling Water System	05 Repair		Cooling water supply pressure seducing valve not working properly.		Na
	ABKt Bearings Weekly Visual Inspection	RBK: U1 Bearing Cooling Water System	O1 Inspection/Investigation	7/29/2003	RBK1 Bearings Weekly Visual Cooling Water System (aspection		Yes
	RBKt Bearings Weekly Visual Inspection		C1 Inspection/Investigation	7/23/2003	RBK1 Bearings Weekly Visual Cooling Water System Inspection	OK .	Yes
21801	RBKt Bearings Weskly Visual Inspection	RBK: U1 Bearing Cooling Water System	C1 Inspection/Investigation	1 7/72/2003	RBK1 Bearings Weekly Visual Cooling Water System Inspection	only 30 minutes required to complete.	Yes

RBK UZ BCWS

	eplace Cooling Water Sciencid	RBK: U2 Bearing Cooling Water System	05 Modification - Non-capital	5/23/2005		· ·····	
40043 W					44)		Yes
40043 W		DD14 41- 0 - 1- 0 - 1- 14/4 - C - 1-	05 Repair	***777005	Make repairs to leaky cooling water solonnoid gland water & draft tube door.	ok	Yes
	Vater Leaks & Govenor Adjustment	RBK: U2 Bearing Cooling Water System	us Repair	2/1/12003	,giano water & trait mod doct.	work order#36366 was infact for the furnine	1163
	i					giand water and not for the turbine bearing as	[
1	\			ì		work order indicated. Trying to set a flow on this	
1			· ·			gland water that woun,t flood the pit ,it has to be	
						reduced to a gollon or less a minute.Flow patterns in the scroll case can set of this trip	
1						very easily especially on start-up. This water	
						flow is to the stuffing box of the main shaft	
	Į		Į	Į		.When a flow is set when new packing installed	1
1				·		it will maintain that flow .All the water from	1
				1		below on top of the runner is trying to excape up	ł
]			through the stuffing box. The flow switch is now	
					On Oct 14 the RBK G-2 unit tripped on start up with a problem on the turbine bearing cooling	disabled and the operator can clean the strainers with the unit in operation, There was	
					water. Byron Hayler simply closed the supply	repealed trips on this unit causing many call	l
ļ.	ţ		ş.		valve and opened it again. He also cleaned the	outs that has now been elimated. We don't have	
					strainers but there was nothing there significant.	these flow meter on our other vertical units and	
1					The cooling water for this bearing is taken from	if we install them there i,m sure we will increase	I
ļ					the head cover, not upstream of the main valve.	our troubles with these units . Even If we put	
1					Vince Carey has suggested removing the flow meter and cleaning it as he thinks the meter did	time delay in the program any change in flow pattern inside the turbine or discharge side of	1
			Į		not register a Now on start up. This has not	the gland will cause us more grief.t,ve set this	1
38388 C	lean Turbine Bearing Flow Meter	RBK; U2 Bearing Cooling Water System	05 Rendir	10/26/2004	occurred before as per Byron.	machine to a gallon a minute and everything is v	Yes
- 55555	TEST THE BELLING THE STATE OF T	The state of the s			In an effort o to reduce or minimize the trips	Trip reduced to .5 gallon to elimate nusience	,
					assocoalted with this we will investigate and	trip Flow maters has a narrow band and would	
					adjust the trip setting on the flow for this line. It	cause trouble with loading changes and	
32065 RI	Reduce G2 Gland Water Supply Flow	RBK: U2 Bearing Cooling Water System	01 Inspection/Investigation	5/10/2004	is currently set at 3/4 Gal/Min. RBK2 Bearings Weekly Visual Cooling Water	pressum rises.	Yes
2822712	RBK2 Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	01 Inspection/Investigation		System inspection		No
					RBK2 Bearings Weekly Visual Cooling Water		
28226 R	BK2 Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	01 Inspection/Investigation		System Inspection		No
50005	this Danie - Missis Marrie Con	DOM: 142 Continue Continue Ministra	O1 Inspection/Investigation		RBKZ Bearings Weekly Visual Cooling Water System Inspection		No ·
20225 RI	RBK2 Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	O I III Specilo IVII Vesi spation		RBK2 Bearings Weekly Visual Cooling Water		140
20224 R	RKZ Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	01 Inspection/investigation		System Inspection] ok	Yes
					A switching order is required to isolate unit to		
00700	To done Marking Makes - Distance	DDIC 113 3 (CV) Make Control	as toolulus		replace the piping for the cooling water system and to inspect the cooling water ejector pump.		Na
<u> </u>	Replace Cooling Water Piping	RBK: U2 Bearing Cooling Water System	12 (56)(00)		This is follow up work from work order #21822		IVU
				i	and will be completed in coordination with a		1
			l	Į.	mechanical maintenance person from John	\	1
26703 R	Replace Cooling Water Piping	RBK: U2 Bearing Cooling Water System	05 Repair		Budgell's group.		Na
26176 5	RBK2 Bearings Operational Inspection	RBK: U2 Bearing Cooling Water System	03 Preventive Maintenance (M3)	GHISTORIA	RBK2 Bearings Operational Cooling Water System Inspection		Yes
203701RI	tors assemble Operational morecular	Liver OF Bennid Cooking Avers, SAzish	03 FIEVERING WARRESTRICE (M3)	=:12/2003	RBKZ Bearings Weekly Visual Cooling Water	 -	103
26360 R	RBKZ Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	O1 Inspection/Investigation	L	System Inspection	<u> </u>	Na
					RBK2 Bearings Weekly Visual Cooling Water]	I
26359 R	RBK2 Bearings Weekly Visual Inspection	RBK: UZ Bearing Cooling Water System	91 Inspection/Investigation	 	System Inspection		No
26358 67	BKZ Bendings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	01 Inspection/Investigation	1	RBK2 Bearings Weekly Visual Cooling Water System Inspection		No
£113-10 Ft	three personal ascent assess trabection	The Penting Opposit saries System	S. (iisposiammaeandato)t	 	RBK2 Bearings Weekly Visual Cooling Water		
25357 R	RBK2 Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	Of Inspection/Investigation		System Inspection		No
					RBKZ Bearings Weekly Visual Cooling Water		
28356 R	RBK2 Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	D1 Inspection/investigation	10/4/2003	System Inspection RBK2 Bearings Weekly Visual Cooling Water	ok	Yes
26358 12	RBK2 Bearings Weekly Visual Inspection	RBK: UZ Bearing Cooling Water System	R1 Inspection/Investigation	10/4/2003	System Inspection	pk	Yes
20030 14	series searchly excess trapectory	The Country Country Country System	o. anapassionamassagamas	10,472500	RBK2 Bearings Weekly Visual Cooling Water	<u> </u>	
24001 R	RBK2 Bearings Weekly Visual Inspection	RBK: UZ Bearing Cooling Water System	01 Inspection/Investigation		System Inspection		No
. <u></u>	arried Chandres belong (1885) and 1	DOM: Har Dander Cook Add.	da (RBIC Bearings Weekly Visual Cooling Water	<u> </u>	1
	RBK2 Bearings Weekly Visual Inspection	RBK: UZ Bearing Cooling Water System	01 Inspection/Investigation		System Inspection	ļ <u></u>	No
24000 R			\	1	RBK2 Bearings Weekly Visual Cooling Water		

RBK UZ BCWS

Wark Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
21208	R8K2 Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	91 Inspection/Investigation		RBK2 Bearings Weekly Visual Cooling Water System Inspection		Yes
	The second secon	The second country of the control of	Tar mappendiamental	072312003	CO SCIENT INSPECTION	These lines are in good condition and a	1105
	· ·	i	'			revemping of all piping to be done when a	
						major overtraul is to be done within 2-5	
						years. There is a lot of duplication of lines	1 1
						because of the fire system that used to be on	
	Replace Cooling Water Supply Lines		05 Repair	2/25/2004		both units. This will be addressed at that time.	Yes
22251	Replace Coaling Water Supply Lines	RBK: U2 Bearing Cooling Water System	05 Repair				No
					#2 cooling water supply worn and needs	·	
			l		replacement. Material was brought several years		
22251	Replace Cooling Water Supply Lines	RBK: U2 Bearing Cooling Water System	05 Repair		age some of it is still at site.		No
	DDIES Beeden Minch Minch Inc.	GBIO 113 B/ G8 141-1 B	## I ## = @ = #!!!		RBK2 Bearings Weekly Visual Cooling Water		
21824	RBKZ Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	UT Inspection/investigation		System Inspection		Yes
74877	RBK2 Bearings Weekly Visual Inspection	RBK: UZ Bearing Cooling Water System -	St lungarling/favortication		RBICZ Bearings Weekly Visual Cooling Water	au.	l
21023	TOTAL BERNINGS VACENTA ARRIVE WESTERTION	HER. Oz Bearing Cooking Water System	In inspectionality and admini	772312003	System Inspection	C3 and the section to the section of	Yes
			i		•	G2 cooling water needs to be replaced some pipe & fittings are at the plant. Previously noted.	1 1
1	}	}	1	\ \		This work is captured under work order #26703	
1			1		RBK2 Bearings Weekly Visual Cooling Water	and is on hold waiting for switching order	
21822	RBK2 Bearings Weekly Visual Inspection	RBK: U2 Bearing Cooling Water System	01 Inspection/Investigation		System Inspection	preparation and approval.	Yes

RBK: U2 Ventilation/Heat Control System

Work Order	Work Order Title	Entity Name	Work Type	Task Supervisor	Date work completed	Description	Closing Comments	Closed (Yes/No)
1						Control for the louvers on RBK-G2 is lost		
	•				•	when the breaker is open for the DC power		
						supply for RBK-G1 causing a ventilation		
						problem on RBK-G2. See if it's possible to		
						get a temporary feed to supply the DC power	ŀ	
						for RBK-G2 louvers while G1 is out of service	Į	Į
35636	Modification Required Contot Power	RBK: U2 Ventilation/Heat Control System	01 Inspection/Investigation	William Guy	12/9/2004	for rewind.		Yes

ork Order	Wark Order Title	Entity Name	Wark Type	Date work completed	Description	Closing Comments	Closed (Yes/N
i		1			Partial Discharge Analysis is required. This	Sissing Comments	CHUBEO (TESIN
		l .		1	test will be completed after the unit has been		
			02 Predictive Maintenance	L .	tunning for six hours	1	No
			02 Predictive Maintenance		Partial Discharge Analysis is required.		No
46425	Infrared Thermography	RBK: Unit 1 AC Synchronous Generator	01 Inspection/Investigation		Infrared Thermography	<u> </u>	No
I					Partial Discharge Analysis is required. Two		140
44478	Sector Section 2015				tests will have to be conducted to capture		i
	Partial Discharge Analysis Testing	RBK: Unit 1 AC Synchronous Generator	02 Predictive Maintenance	12/13/2005		lok	Yes
	Infrared Thermography	RBK: Unit 1 AC Synchronous Generator	Ot Inspection/Investigation	12/13/2005	Infrared Thermography	OK	Yes
	Infrared Thermography		Ot Inspection/Investigation	2/17/2004	Infrared Thermography	OK	Yes
	RBK1 Generator Weekly Visual Inspection		01 Inspection/Investigation		REK1 Generator Weekly Visual Inspection		No
	RBK1 Generator Weekly Visual Inspection		01 Inspection/Investigation		RBK1 Generator Weekly Visual Inspection		No
	RBK1 Generalor Weekly Visual Inspection		01 Inspection/Investigation		RBK1 Generator Weekly Visual Inspection		No
20100	RBK1 Generator Weekly Visual Inspection	RBK: Unit 1 AC Synchronous Generator	O1 Inspection/Investigation	10/20/2003		OK	Yes
			· · · · · · · · · · · · · · · · · · ·		Investigate plarm and make		1105
				f l	recommendations for follow up work along		
20541	Investigate Pit Flood Alarm	RBK: Unit 1 AC Synchronous Generator	Ot Inspection/Investigation		with estimated priority and requirements.		No
					It was identified by Bill Guy that the head		Nu
					cover pit flood sizem is not working and		
		i			should be checked out by Jeremy Decker's	blockage in headcover drain pil flood alarm	
- 1					group. Make recommendations for any	not working blockage in headcover drain	1
22545	1110					alarm not working This work is captured in	
			05 Repair	8/1/2003	estimated requirements.	work order # 26541	Yes
263061			03 Preventive Maintenance (M3)		RBK1 Generator Operational Inspection	No scales at plant to check brush pressure.	Yes
	RBK1 Generator Weekly Visual Inspection		01 Inspection/Investigation		RBK1 Generator Weekly Visual Inspection	THE POLICE OF PRODUCT OF CHECK BIRDS IN PRESSURE.	No
26304			Ot Inspection/Investigation		RBK1 Generator Weekly Visual Inspection		Ne
26303		RBK: Unit 1 AC Synchronous Generator	01 Inspection/Investigation		RBK1 Generator Weekly Visual Inspection		No
20302		RBK: Unit 1 AC Synchronous Generator	01 Inspection/Investigation		RBK1 Generator Weekly Visual Inspection		No
26301		RBK: Unit 1 AC Synchronous Generalor	01 Inspection/Investigation	9/29/2003	RBK1 Generator Weekly Visual Inspection		Yes
23965]]			01 Inspection/Investigation		RBK1 Generator Weekly Visual Inspection		No
23964		RBK: Unit 1 AC Synchronous Generator	01 Inspection/Investigation		RBK1 Generalor Weekly Visual Inspection		No
	RBK1 Generator Weekly Visual Inspection		01 Inspection/Investigation		RBK1 Generator Weekly Visual Inspection		No ·
23962 1	RBK1 Generator Weekly Visual Inspection	RBK: Unit 1 AC Synchronous Generator	D1 Inspection/Investigation	8/26/2003	RBK1 Generator Weekly Visual Inspection		Yes
21797 8		RBK: Unit 1 AC Synchronous Generator	01 Inspection/Investigation	7/29/2003	RSK1 Generator Weekly Visual Inspection		Yes
21/96	RBK1 Generator Weekly Visual Inspection		01 Inspection/Investigation	7/23/2003			Yes
21/95 1	RBK1 Generator Weekly Visual Inspection	RBK: Unit 1 AC Synchronous Generalor	01 Inspection/Investigation	7/17/2003			Yes
		-				oo naar required to complete.	res

RBK: Unit 1 Bearings

Work Order Work Order Title		Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
34021 Vibration Analysis	RBK: Unit 1 Bearings	02 Predictive Maintenance			3	Vo

RBK: Unit 1 Brush Gear

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
		i "				raplaced 4 comm & 2 slipring brushes	
				l .	*	Should have been Task 2 Should have	
49763	Brush Gear Maintenance Required	ROK: Unit 1 Brush Gear	12 Isolation	3/28/2006		been Task 2 OK	Yes
49763	Brush Gear Maintenance Required	RBK: Unit 1 Brush Gear	03 Preventive Maintenance (M3)	3/28/2006		See Comments on Task 1 OK	Yes
- "					-	replaced 6 slipring &4comm brushes	
40409	Brush Gear Maintenance Required	RBK: Unit 1 Brush Gear	12 Isolation	3/14/2005		on rok g-1 Mistake Mistake OK	Yes
40409	Brush Gear Maintenance Required	RBK; Unit 1 Brush Gear	03 Preventive Maintenance (M3)	3/14/2005		See comments Task1 OK	Yes
		-			A switching order is required to isolate the unit		
] .		1	to remove the brush gear and stone the slip	Replaced 4 slip ring brushes & 3 com	
37928	Slip Ring Repairs and Brush Maintenance	RBK: Unit 1 Brush Gear	12 Isolation	1/6/2005		brushes.	Yes
					Due to an imperfection in the upper stip ring,		
					we need to remove the brush gear and stone		,
			•	l	the ring. We should also take the opportunity	Į.	
`) ·	l		to do the brush gear maintenance at the same	Replaced 4 slip ring brushes & 3 com	
37928	Slip Ring Repairs and Brush Maintenance	RBK; Unit 1 Brush Gear	03 Preventive Maintenance (M3)	1/7/2005	time.	brushes.	Yes
					According to Byron Hayter, there was a noise		
		1			and possibly a rough spot on the top ring that		
· '				ł .	was causing the brushes to wear abnormally,		,
\		1]		He and Tom removed the brush gear and		
ł					stoned the stip ring to remove the rough spot		
1 .			i		but we still need to have the brush gear re		
3 <u>7</u> 914	Adjust Brush Gear	RBK; Unit 1 Brush Gear	12 (solation		alligned and set up properly.		Na
		-		i	According to Byron Hayter, there was a noise		
}		1)	1	and possibly a rough spot on the top ring that		
					was causing the brushes to wear abnormally.		
]		He and Tom removed the brush gear and		
ł			i		stoned the slip ring to remove the rough spot		
l			Į]	but we still need to have the brush gear re		ļ
37914	Adjust Brush Gear	RBK: Unit 1 Brush Gear	03 Preventive Maintenance (M3)	l	alligned and set up properly.		No
31993	Brush Gear Maintenance Required	RBK: Unit 1 Brush Gear	12 Isolation	3/22/2004		Replaced 1 com and 1 slipring brush.	Yes
		1 -				Replaced 1 com and 1 slipring brush.	
31993	Brush Gear Maintenance Required	RBIC Unit 1 Brush Gear	03 Preventive Maintenance (M3)	3/24/2004		Replaced 1 com and 1 slipring brush.	Yes
					Inspect and clean brush gear and replace	Replaced (5) slipring brushes (3)comm	
28678	Brush Geer Maintenance Required	RBK: Unit 1 Brush Gear	03 Preventive Maintenance (M3)	9/24/2003	brushes as required.	brushes	Yes

RBK: Unit 1 Flow Metering Equipment

Work Order	Work Order Title	Entity Name	Entity Location	Work Type	Date work completed	Description	Closing Comments	Clased (Yes/No)
		1				Turbine cooling water flow flucuates and sends		
i i	_					alarm to SCC. We replaced the Valve but this		
Į į	, in the second of the second		\	1 1		was not inhe cause. Possibly the flow switches	1	Ì
l]		are causing problems. We cleaned the strainers		
]		on June 30 and since we have had 2 incidents.		
				1		This wil require mechanical maintenance		
1			1	1 1		expertize to determine source of problem. John		
Ì			ŀ	l ·		Budgell has picked up material & will transport to	No problem found at	
33842	Investigate Cooling Water Flow Fluctuations	RBK: Unit 1 Flow Metering Equipment	RBK: Unit 1 Instrumentation	05 Repair	10/19/2004	Ratiling Brook.	this time.	Yes

RBK: Unit 1 Gate Governor

ork Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Cinelina Communication	G(: 62
52176	Oil Sampling & Anaylsis - Governor	REK: Unit 1 Gate Shaft Governor		Dute Holk Editipleted	Oil Sampling & Anaylsis - Governor	Closing Comments	Closed (Yes/N
48140	Oil Sampling & Anaylsis - Governor		03 Preventive Maintenance (M3)	2/9/2006	Oil Sampling & Anaylals - Governor	WC # 565584 Sample recieved.	No
46786	Oil Sampling & Anayisis - Governor	RBK: Unit 1 Gate Shaft Governor			Oil Sampling & Anaylsis - Governor	WC # 666722 Sample recieved.	Yes
i i				10172000	On Company of Printy and Covernor	WO # Odd/22 Sattiple recieved.	Yes
						Guards were removed and the chain was turned	.l
i						by hand. The roughness was felt in Governor	1
ŀ						bearing not motor so motor was not removed,	Ī
ŀ							
						This should have been RBK G2 WE HAD TO	
					1	DRAIN ABOUT40 GALLONS OF OIL OUT OF	
						THE TANK AND SUMP, WE THEN TOOK THE	
						PUMP OUT AND TOOK IT APART, WE FOUND	4
		i				THE NONDRIVE GEAR SHAFT AND	1
						BUSHINGTORE UP. WE BOUGHT THE END	1
	•	1				COVER AND SHAFT TO PRO WELD TO GET	1 .
		1				REPAIRED.WHEN WE PUT THE PUMP	
				· ·		TOGETHER IT WAS TIGHT .WETOOK THE	
						PUMP APART AND FOUND THE BUSHINGS	
		· '			As per Bill Guy, the governor pump motor	WERE NOT LINEUP, WE BROUGHT THE	
				-	has falled and as far as they know, the	PUMP BACK TO PRO WELDAND HONE OUT	
					bearings need to be replaced. It has to be	THE BUSHING UNTIL THE SHAFT WOULD	
			•		removed from service and taken to a repair	ROTATE FREELY, BOTH END COVERS	
1					center for an overhead and testing and then	WERE WORN NEEDS TO BE REFACE	
46311	Remove, Repair and Reinstell Governor Pump Motor	RBK: Unit 1 Gate Shaft Governor	01 Inspection/Investigation	11/13/2005	reinstalled.	SOMETIME IN THE FUTURE	
44951	Oil Sampling & Anaylsis - Governor	RBK: Unit 1 Gate Shaft Governor	03 Preventive Maintenance (M3)		Oil Sampling & Annylsis - Governor		Yes
43255	Oil Sampling & Anaylsis - Governor	RBK: Unit 1 Gate Shaft Governor	03 Preventive Maintenance (M3)		Oil Sampling & Anaylsis - Governor	wc # 666842 Received Oct 21.	Yes
			I to to half a manual and a (MS)	0/4/2003	We have a leak on the packing on the	wc #851420 Sample recieved.	Yes
İ		j			power piston. New packing has to be		į.
43174	Replace Packing On Power Piston	RBK: Unit 1 Gale Shaft Governor	13 Dectoration		power piston. New packing has to be		F
	Oli Sampling & Anaylsis - Governor	REK: Unit 1 Gate Shaft Governor			ordered from American Governor.		No
		Apre dia 1 dala alian dayemor	03 Freventive withthemence (W3)	6/13/2005	Oli Sampling & Anaylsis - Governor	wc #651405 Received 2005-06-15 OK	Yes
40236	Oil Sampling & Anaylsis - Governor	RBK: Unit 1 Gate Shaft Governor	77 T				
	Oil Sampling & Anayisis - Governor				Oil Sampling & Anayisis - Governor	Wear Check # 651278 Received 2005-04-08	Yes
	Oil Sampling & Anayisis - Governor	RBK: Unit 1 Gate Shaft Governor	U3 Preventive Maintenance (M3)	2/11/2005	Oil Sampling & Anayisis - Governor	wc#651350	Yes
	Oil Sampling & Anaysis - Governor Oil Sampling & Anaysis - Governor	RBK: Unit 1 Gate Shaft Governor			Oil Sampling & Anaylsis - Governor	WC# 635060 Recieved Dec 14/04	Yes
33230	Oil Barripinig & Anayists - Governor	RBK: Unit 1 Gate Shaft Governor	03 Preventive Maintenance (M3)		Oil Sampling & Anaylsis - Governor	WC # 635059 Recieved Dec14/04	Yes
23511	Oil Sampling & Annyisis - Governor	RBK: Unit 1 Gate Straft Governor	03 Preventive Maintenance (M3)	8/13/2004	Oil Sampling & Anaylsis - Governor	WC # 635080 Sample Recieved	Yes
22000	515. F - 4 () -	L I		-		Wear Check Number 512625 Sample	
32956	Oil Sampling & Anaylsis - Governor	RBK: Unit 1 Gate Shaft Governor	03 Preventive Maintenance (M3)	6/9/2004	Oil Sampling & Anaylsis - Governor	Recieved.	Yes
3166/1	Oil Sampling & Anaylsis - Governor	RBK: Unit 1 Gate Shaft Governor	03 Preventive Maintenance (M3)	4/25/2004	Oll Sampling & Anaylsis - Governor	WC # 612620 Sample recieved.	Yes
30540	Oil Sampling & Anayisis - Governor	RBK: Unit 1 Gale Shaft Governor	03 Preventive Maintenance (M3)	2/24/2004	Oil Sampling & Anaylsis - Governor	WC # 612606	Yes
29502	Oil Sampling & Anayisis - Governor	RBK: Unit 1 Gale Shaft Governor	03 Preventive Maintenance (M3)	12/9/2003	Oil Sampling & Anaylsis - Governor	WO# 812536	Yes
		· · · · · · · · · · · · · · · · · · ·	" "		Recalibrate gate limit on G1, Reads low		143
	Recalibrate Gate Limit Indication	RBK: Unit 1 Gate Shott Governor		5/8/2004	when limit is at 100%,	ok ok	Yes
	REK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor	O1 Inspection/Investigation		RBK1 Governor Weekly Visual Inspection	OK OK	No
28214	RBK1 Governor Weekly Visual Inspection	REK: Unit 1 Gale Shaft Governor	01 Inspection/investigation		RBK1 Governor Weekly Visual Inspection		No
28213	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor			RBK1 Governor Weekly Visual Inspection		
					THE STATE OF THE PARCET OF THE	While checking movement in the governor	No
- 1							ł
					<u> </u>	broke assembly was notice, four bolts had	I
- 1						become loose and was re - tighten maybe a	
28212	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gale Shall Governor	Of Inspection/Impactionting	4888888	DOV4 Composition 11 11	check for this could be included as an activity.	
26811		RBK: Unit 1 Gate Shaft Governor	D3 December Maletonnes (144)	10/20/2003	RBK1 Governor Weekly Visual Inspection	ok	Yes
25342		REK: Unit 1 Gale Shaft Governor	DI Companion Maintenance (M3)		Oil Sampling & Anayisis - Governor		No
		COVERNO CONTROL CONTRO	DI Manualiani Maintenance (M3)	9/10/2003	RBK1 Governor Operational Inspection		Yes
26348	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor			RBK1 Governor Weekly Visual Inspection		No
26330	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor	u i inspection/investigation		RBK1 Governor Weekly Visual Inspection		No
26338	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor	v i inspection/investigation		RBK1 Governor Weekly Visual Inspection		No
20330	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor			RBK1 Governor Weekly Visual Inspection		No
22000	SDICA COVERNOR WEEKIN VISUAL INSPECTION	RBK: Unit 1 Gate Shaft Governor	01 Inspection/Investigation	9/29/2003	RBK1 Governor Weekly Visual Inspection		Yes
23688	RBK1 Governor Weekly Visual Inspection	RBK; Unit 1 Gate Shaft Governor	01 Inspection/Investigation		RBK1 Governor Weekly Visual Inspection		No
239881	RBK1 Governor Weekly Visual Inspection	RBK; Unit 1 Gate Shaft Governor	01 Inspection/Investigation		RBK1 Governor Weekly Visual Inspection		No
23967	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor	O1 Inspection/Investigation		RBK1 Governor Weekly Visual Inspection		No
23986	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor	Of Inspection/Investigation	8/26/2003	RBK1 Governor Weekly Visual Inspection		Yes
	Oil Sampling & Anayisis - Governor	RBK: Unit 1 Gate Shaft Governor	03 Preventive Maintenance (M3)	B/12/2003	Oil Sampling & Anayisis - Governor	WC Number 581519	Yes
	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gate Shaft Governor	01 Inspection/Investigation		RBK1 Governor Weekly Visual Inspection	410 (30)(3)(3)(4)	
	RBK1 Governor Weekly Visual Inspection	RBK: Unit 1 Gale Shaft Governor	A1 formation/Investigation		RBK1 Governor Weekly Visual Inspection	nir	Yes
21814	tarr esternal treekly tradal inspection						
21814 (RBK: Unit 1 Gate Shaft Governor	91 Inspection/investigation	7/17/2003	RBK1 Governor Weekly Visual Inspection	-t-	Yes Yes

RBK: Unit 1 Generator Lower Guide Bearing

Work Order	Mark Onles Title	t =	T				
MOU CHORL	Work Order Title	Entity Name	Work Type	Date work completed	Description	Clasing Comments	Closed (Yes/No
, 1					As per Tom Hanlon, "Oil level lower guide		1
: /					bearing not working," When Tom and Byron	ŀ	
			İ		were draining the oil from the lower guide		
,					bearing, they noted that the Magnatral oil level		
,					switch did not function. According to Tom, the		
į					DC was not turned off during the oil change and		
,					there are now kinks in the 1/4" copper line from		
,					the switch. The first check should be to shut the		
,					machine, remove the cover from the switch		
,					tiousing and physically loggle the switch to see if]
45745					it activates. If not, further investigation by an		
40313	Inspect Lower Guide Oil Level Transducer	RBK: Unit 1 Generalor Lower Guide Bearing	01 Inspection/Investigation		electrician is required.	1	No
,					A switching order clearance is required to isolate	·	
					the unit to perform a oil change on the thrust	i	
45514	Oli Change Required	RBK: Unit 1 Generator Lower Guide Bearing	12 Isolation		bearing.		и¤
,		!			Recent reports from all analysis indicate a		
,					dramatic increase in the lead content and in the		
ļ					acid number. The oil has been in this bearing for		1
ļ		1	1		more than 300 days which is good for Hydro	l	l
ļ		[Safe, but now is the right time to change the oil	l	I
45814	Oil Change Required	RBK: Unit 1 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)		before it nets too bad.	Recieved	Yes
			(iii)		Recent reports from oil analysis indicate a	I POPICACIÓ	l lea
,					dramatic increase in the lead content and in the		1
1					acid number. The oil has been in this bearing for		l
, ,					more than 300 days which is good for Hydro		[
1			l		Safe, but now is the right time to change the oil	i	
45814	Oil Change Required	RBK: Unit 1 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)		before it nets too bad,	Recieved	J
					A switching order is required to isolate the	Redeved	Yes
31076	Oil Change Required	RBK: Unit 1 Generator Lower Guide Bearing	12 Isolation	3/10/2004	machine for an Oil Change,	İ	Yes
					As a result of recent sample analysis from wear		7 P.S
- 1					check, it is recommended that we change the	note t clearance	
- 1					all. This will also require lowering the oil pot to	required not self	
31576	Oil Change Required	RBK: Unit 1 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)		clean it thoroughly.	protection	
					CELLE & HISTORGHIY.	protection	Yes
- 1					As a result of recent sample analysis from wear		
- 1					check, it is recommended that we change the		
					ail. This will also require lowering the oil pot to		
					clean it theroughly. This work will be done in		
31876	Oil Change Required	RBK: Unit 1 Generator Lower Guide Bearing	13 Restoration		coordination with mechanical maintenance.		
			TO TOO TO THE TOTAL THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE T		Carry out an inspetion of the bearing to ensure		Yes
31876	Oil Change Required	RBK: Unit 1 Generator Lower Guide Bearing	Ot Inspection/Investigation	3/24/2004			
							No
I			l l		We should resample the oil one hour after initial		
31676	Oll Change Required	RBK: Unit 1 Generalor Lower Guide Bearing	02 Predictive Maintenance	7/74/2004	start up when oil change is complete and forward		
			01 Inspection/Investigation		sample to Mike Burt.		Yes
					RBK1 Bearings Weekly Visual Inspection		No
			61 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
			01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
	Deminida Ascevit Alanei mathecilos	Non. Olic i Gelleralur Lower Guide Bearing	01 Inspection/Investigation			ak	Yes
26660	Oil Sample Required	DDV: Unit 4 Consulted State Cold Co.	laan		Take oil sample and forward to Tring Trake for		
			02 Predictive Maintenance	8/15/2003		WC Number 561522	Yes
			03 Preventive Maintenance (M3)		RBK1 Bearings Operational Inspection		Yes
	RBK1 Bearings Weekly Visual Inspection		O1 Inspection/Investigation		RBX1 Bearings Weekly Visual Inspection		No
			Ot Inspection/investigation		RBK1 Bearings Weekly Visual Inspection		No
		RBK: Unit 1 Generator Lower Guide Bearing	01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Generalor Lower Guide Bearing	01 Inspection/Investigation		REK1 Bearings Weekly Visual Inspection		No
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Generalor Lower Guide Bearing	01 Inspection/Investigation	9/29/2003	RBK1 Bearings Weekly Visual Inspection		Yes
			01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
			01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
		RBK: Unit 1 Generator Lower Guide Bearing	O1 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
		RBK: Unit 1 Generator Lower Guide Bearing	01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		Yes
		RBK: Unit 1 Generator Lower Guide Bearing	01 Inspection/Investigation	7/29/2003	RBK1 Bearings Weekly Visual Inspection		Yes
	RBK1 Bearings Weekly Viscal Inspection	RBK: Unit 1 Generator Lower Guide Bearing	01 Inspection/Investigation	7/27/2003		ÖK	Yes Yes
21807	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Generator Lower Guide Bearing	O1 Inspection/Investigation			Only 15 min. required.	
				1717/2003		ony tanin required.	105

RBK: Unit 1 Generator Rotor

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
					A switching order is required to isolate the	One brake pad and a new bracket had	
31917	Replace Brake Shoes	RBK: Unit 1 Generator Rotor	08 Installation	3/15/2004	machine for PPM's to replace the brake shoes.	to be machined at a cost of \$126.50.	Yes
					Brake shoes require replacement due to an		· -
	L :				unexpected stop on the machine which caused	One brake pad and a new bracket had	
31917	Replace Brake Shoes	RBK: Unit 1 Generator Rotor	08 Installation	3/18/2004	excessive wear on the shoes.	to be machined at a cost of \$126.50.	Yes

RBK: Unit 1 Generator Stator

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
F					Thermoscan connections all stator leads and	Thermoscanned	
	l		Į.		split phase CTs in generator termination	Connections OK.	
46264	Check Neutral Connections	RBK: Unit 1 Generator Stator	01 Inspection/Investigation	11/2/2005	cabinet. Pls put copy of report on Avantis.	OK	Yes
	"				Jumper RTD'S . These are not in use at this		
					time so they need to be jumped and brought		
					to ground . This can be done at the generator		
		İ			termination box. This needs to be done as		
					soon as possible to protect the RTD "s from		
37575	Jumper RTD's	RBK: Unit 1 Generator Stator	06 Modification - Non-capital	12/23/2004	over voltage	lok	Yes
				1	Due to high humidity levels unit has to tarped		
34405	Megger Unit	RBK: Unit 1 Generator Stator	03 Preventive Maintenance (M3)	7/26/2004	& meggered		Yes

RBK: Unit Generator Upper Guide/Thrust Bearing

Work Order	Work Order Title	Entity Name	Work Type	Data was to a security of	· 		,
		HATTER Y MADITO	THULK TYPE	Date work completed		Closing Comments	Closed (Yes/No
1					Recent reports from oil analysis indicate an		
1		•	İ		increase in the lead content but other than		•
1					that, the oil is in good condition. However, due		ľ
1					to a dramatic increase in the temperature, we		
					should change the oil. This is a first step in		
1					determining the problem but the oil, even if it		
l I		İ			is not the problem, will degrade very fast under		
51119	Dil Change Required	RBK: Unit 1 Generator Upper Guide/Thrust Bearing	03 []		high temperatures so it should be changed		
				5/15/2006		<u>ok</u>	Yes
			01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
			01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
			01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
E0250 1	rapist Demands seekly sister inspection	RBK: Unit 1 Generalor Upper Guide/Thrust Bearing	01 Inspection/investigation			ok .	Yes
26650	Oll Sample Required	DOIS 15-34 O			Take all sample and forward to Trina Troke for		_
			02 Predictive Maintenance	<u>8/15/2</u> 003		WC Number 181521	Yes
			03 Preventive Maintenance (M3)		RBK1 Bearings Operational Inspection		Yes
			Of inspection/investigation		RBK1 Bearings Weekly Visual Inspection		No
			01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
			01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
25319 1			01 inspection/investigation		RBK1 Bearings Weekly Visual Inspection		No
			01 Inspection/Investigation	9/29/2003	RBK1 Bearings Weekly Visual Inspection		Yes
2397711			O1 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
			O1 Inspection/lavestigation		RBK1 Bearings Weekly Visual Inspection		No
			O1 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
			Of Inspection/investigation	0/26/2003	RBK1 Bearings Weekly Visual Inspection		Yes
			Of Inspection/Investigation	7/29/2003	RBK1 Bearings Weekly Visual Inspection		Yes
			D1 Inspection/Investigation	7/23/2003			Yes
21804 F	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Generator Upper Guide/Thrust Bearing	D1 Inspection/Investigation	7/17/2003			Yes

RBK: Unit 1 Hydroelectric Turbine

Work Order		Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
	Replace Gate Grease Pipe	RBK: Unit 1 Hydroelectric Turbine	05 Repair	10/28/2003	****	ok	Yes
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation	10/30/2003	RBK1 Turbine Weekly Visual Inspection	OK	Yes
	RBK1 Turbine Operational Inspection	RBK: Unit 1 Hydroelectric Turbine	03 Preventive Maintenance (M3)	9/12/2003	RBK1 Turbine Operational Inspection		Yes
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation	9/29/2003	RBK1 Turbine Weekly Visual Inspection		Yes
23961	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation		RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation	- 151111	RBK1 Turbine Weekly Visual Inspection		No
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation	8/26/2003	RBK1 Turbine Weekly Visual Inspection		Yes
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation	7/29/2003	RBK1 Turbine Weekly Visual Inspection		Yes
	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation	7/30/2003	RBK1 Turbine Weekly Visual Inspection	completed July 23, ok	Yes
21792	RBK1 Turbine Weekly Visual Inspection	RBK: Unit 1 Hydroelectric Turbine	01 Inspection/Investigation	7/17/2003	RBK1 Turbine Weekly Visual Inspection	ok	Yes

RBK: Unit 1 Main & Bypass Valve Control

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
					Over the last couple of years gaskets have been falling on the solenoid that operates		
, ,			ļ		the 5 way valve which in turn operates the		Ì
]	•				main valves.In discussion with John Budgetl		Ī
					it was decided to replace the present		
					solenoid with an Asco valve which should be		
36551	Install Asco Valves	RBK: Unit 1 Main & Bypass Valve Control	08 Installation	<u> 5/15/2005</u>	able to handle the pressure.	OK	Yes
						Valve was removed from pitlt was	
1 1					**	disassembled and inspected. The cylinders	
1 1			\	}		were removed along with the piston	Ì
	•					spools.Everything was in good condition but	
				·		no work had been done on them since 1958.All	
				ļ		parts were cleaned and sandblaster and a new	
					not working properly. The unit is out of service for a rewind now. To complete this	o-ring kit was installed .The unit for # 1 was installed on #2 unit.Then this 5-way was taken	
						up and the same maintence was performed.	
						The O rings used were purchased locally low	
35100	Remove 5 Way Valve for Repairs	 RBK; Unit 1 Main & Bypass Valve Centrol	05 Repair	11/5/2004		cost.OK	Yes
20150	Memore o May Apide in tehana	Truck Office Finding Bypass Valve Cornibi	100 (rebait	111312004	Possion	G1 main valve indication repaired. The valve	164
						indication circuit for both G1 & G2 need to be	
1					Limit switch burnt , needs to be replaced .	modified to more accurately indicate when the	
						valve is actually OPEN & eliminate the	
						potential of future limit switch problems. See	1
29446	Replace G1 Pivot Valve Limit Switch	RBK: Unit 1 Main & Bypass Valve Control	05 Repair	11/20/2003		request 2182	Yes

RBK: Unit 1 Main Inlet Pivot Valve

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
				"""		Leaking through mall inlet valve. No	
						Indicator light on panel. This is	
2634	RBK1 Main Inlet Valve Inspection	RBK: Unit 1 Main Inlet Pivot Valve	01 Inspection/Investigation	9/12/2003	RBK1 Main Inlet Valve Inspection	covered under work order #22248	Yes
					Pivot valve sticks intermittently and		
2224	Replace Main Inlet Pivot Valve	RBK: Unit 1 Main Intel Pivot Valve	07 Project - Capital		won't open. Should be replaced.		No

RBK: Unit 1 Turbine Guide Bearing

Work Order		Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing			RBK1 Bearings Weekly Visual Inspection	· · · · · · · · · · · · · · · · · · ·	No.
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing			RBK1 Bearings Weekly Visual Inspection		No
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing	01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
28208	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing	Q1 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		Yes
					Take oil sample and forward to Trina Troke		
	Oil Sample Required	RBK: Unit 1 Turbine Guide Bearing		8/15/2003	for analysis.	WC Number 581523	Yes
	RBK1 Bearings Operational Inspection	RBK: Unit 1 Turbine Guide Bearing		9/12/2003	RBK1 Bearings Operational Inspection		Yes
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing			RBK1 Bearings Weekly Visual Inspection		No
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing			RBK1 Bearings Weekly Visual Inspection		No
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing			RBK1 Bearings Weekly Visual Inspection		No
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing			RBK1 Bearings Weekly Visual Inspection		No
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing	01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		Yes
	RBK1 Bearings Weekly Visual Inspection	R8K: Unit 1 Turbine Guide Bearing	01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing	01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
23983	R8K1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing	01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		No
23982	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing	01 Inspection/Investigation		RBK1 Bearings Weekly Visual Inspection		Yes
					G1 turbine bearing temperature alarm not	Alarm was disconnected due to a broken capilliary tube. A new system of Thermocouples is set to be installed when a new PLC protection device is installed. However, until such a time the unit is still protected through a generator	
		RBK: Unit 1 Turbine Guide Bearing		8/11/2003			Yes
		RBK: Unit 1 Turbine Guide Bearing		7/29/2003	RBK1 Bearings Weekly Visual Inspection	<u> </u>	Yes
	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing					Yes
21810	RBK1 Bearings Weekly Visual Inspection	RBK: Unit 1 Turbine Guide Bearing	01 Inspection/Investigation				Yes

RBK: Unit 1 Turbine Head Cover

Work Order Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments Closed (Yes/No)
25797 01				Tom Hanlon recommeds that the	1.000 (1.001.10)
35787 Clean and Paint Head Cover	RBK: Unit 1 Turbine Head Cover	03 Preventive Maintenance (M3)		head cover be cleaned and painted.	No

RBK: U2 AC Synchronous Generator

Work Order	Wark Order Title	Entity Name	Work Type	Date work completed	Description	Cincing Comments	et ev- ev-
	77-15 -17401 11410	E-15215 F SHELLEY	real type		Partial Discharge Analysis is required. This	Closing Comments	Closed (Yes/No
		1			test will be completed after the unit has been	.[
50454	Partial Discharge Analysis Testing (Gander)	RBK: Unit 2 AC Synchronous Generator	02 Predictive Maintenance		running for six ficurs	1	No
50454	Partial Discharge Analysis Testing (Gander)	RBK: Unit 2 AC Synchronous Generator			Partial Discharge Analysis is required.		No
48426	Infrared Thermography	RBK: Unit 2 AC Synchronous Generator	01 Inspection/Investigation		Infrared Thermography		No
	· · · · · · · · · · · · · · · · · · ·	i			Partiel Discharge Analysis is required. Two		140
					tests will have to be conducted to capture	This one took a little longer as it was the first	1
41177	Partial Discharge Analysis Testing	RBK: Unit 2 AC Synchronous Generator	02 Predictive Maintenance		both Hot and Cold testing.	time using the new Tester. OK	Yes
						Minor healing on Left phase @ switchgear &	144
39143	Infrared Thermography	RBK: Unit 2 AC Synchronous Generator	01 Inspection/Investigation	12/13/2005	Infrared Thermography	Generator Cabinet. DK	Yes
1	•		"" "		Two 240 Volt recepticles are required to		1
i					allow for the use of heaters to reduce		1
34922	Heating Recepticies Required	RBK: Unit 2 AC Synchronous Generator	08 Installation	3/27/2006	moisture on the generator windings.	юк	Yes
					This unit tripped on phase c differential over		
1					current and needs further investigation to		
					determine the cause. Please refer to	Extended time taken due to wait on	
34503	Investigate Unit Trip on Phase C Differential Over Current	RBK: Unit 2 AC Synchronous Generator	01 Inspection/Investigation		activities list for further details.	"confirmation of outage" form approval.	Yes
					A switching order is required to isolate both		<u> </u>
					generators in order to install grounds and		1
31572	Repair Hot Spots at Connections for Switchgear and Generator	RBK: Unit 2 AC Synchronous Generator	12 Isolation	5/26/2004	make repairs.	repaired hot spots	Yes
					Assist electrician from John Budgelfs group		i
					in making repairs to the power cables as		l
	•				Indicated below. Hot spot right phase		
					connection @ switchgeor cables to		İ
					generator. Hot spot left phase connection @	repaired hot spois. The time for the entire	
31872	Repair Hot Spots at Connections for Switchgeor and Generalor	RBK: Unit 2 AC Synchronous Generator	12 Isolation		generator JB cable to switchgear.	work order was captured under task 1.	Yes
					Hot spot right phase consection @		
					switchgear cables to generator. Hot spot left		
4,074	Sand-Uni Sand- di Sand- di Cara di Sand-				phase connection @ generator JB cable to	repaired hot spots. The time for the entire	
21012	Repair Hot Spots at Connections for Switchgoor and Generator	RBK: Unit 2 AC Synchronous Generator	05 Repair		switchgear.	work order was captured under task 1.	Yes
34872	Repair Hot Spots at Connections for Switchgear and Generator	DDM: 15-4 G AD D	lana i			repaired hot spots The time for the entire	
31012	Repair Not opots at Connections for Switchigear and Generalor	RBK: Unit 2 AC Synchronous Generator	09 Acceptance Testing			work order was captured under task 1.	Yes
1						Prointy 3 Hot spot right phase connection @	
1 :		1				switchgear cables to generator. Hot spot left	
		i				phase connection @ generator JB cable to	
1 i						switchgear. Switching order required both jobs	
30920	Infrared Thermography	RBK: Unit 2 AC Synchronous Generator	O1 Inspection/Investigation	7777004	Infrared Thermography	can be done same time. Thermoscan after	
	RBK2 Generator Weekly Visual Inspection		O1 Inspection/investigation		RBKZ Generator Weekly Visual Inspection		Yes
	RBK2 Generator Weekly Visual Inspection		01 Inspection/Investigation		RBK2 Generator Weekly Visual Inspection		No
25221	RBK2 Generator Weekly Visual Inspection		O1 Inspection/investigation		RBK2 Generator Weekly Visual Inspection		Na
28220	RBK2 Generator Weekly Visual Inspection		01 Inspection/Investigation		RBK2 Generator Weekly Visual Inspection		No
26355	RBK2 Generator Operational Inspection		03 Preventive Maintenance (M3)		RBK2 Generator Operational Inspection		Yes
26354	RBK2 Generator Weekly Visual Inspection		Ot Inspection/Investigation		RBK2 Generator Weekly Visual Inspection		Yes
	RBK2 Generator Weekly Visual Inspection		D1 Inspection/Investigation		RBK2 Generator Weekly Visual Inspection		No
	RBK2 Generator Weekly Visual Inspection		Ot Inspection/Investigation		RBK2 Generator Weekly Visual Inspection		No
	RBK2 Generator Weakly Visual Inspection	RBK: Unit 2 AC Synchronous Generator	01 Inspection/Investination		RBK2 Generator Weekly Visual Inspection		No No
		RBK: Unit 2 AC Synchronous Generator			RBKZ Generator Weekly Visual Inspection		
23997	RBKZ Generator Weekly Visual Inspection		01 Inspection/Investigation		RBK2 Generator Weekly Visual Inspection		Yes
			01 Inspection/Investigation		RBK2 Generator Weekly Visual Inspection		No
	RBK2 Generator Weekly Visual Inspection		01 Inspection/Investigation		RBKZ Generator Weekly Visual Inspection		No
			O1 Inspection/lovestigation		RBK2 Generator Weekly Visual Inspection		No
	RBK2 Generator Weekly Visual Inspection	RBK: Unit 2 AC Synchronous Generator	O1 Inspection/lovestication	072012003	RBK2 Generator Weekly Visual Inspection		Yes
	RBK2 Generator Weekty Visual Inspection	RBK: Unit 2 AC Synchronous Generalor	O1 Inspection/Investigation	7/23/2003			Yes
			- Inspectations variation	1153/20043	поль оснавы уческіў узни пареснов	Stator temp not working on G2. This has	Yes
21819	RBK2 Generator Weekly Visual Inspection	RBK: Unit 2 AC Synchronous Generator	D1 Inspection/Investigation	7/16/2007		been covered off in another request that is currently on hold.	.,
		,	zerozikili kronidene il	17 10/20031	TOTAL OSTICION PROCESSIV VISUAL INSPECTION	containary out 11010.	Yes

RBK: Unit 2 Bearings

Work Orde		Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
3402	2 Vibration Analysis	RBK: Unit 2 Bearings	02 Predictive Maintenance			<u> </u>	No

RBK: Unit 2 Brush Gear

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
						replaced 5 comm &3 slipring brushes Should	,
						have been charged to Task 2 Should have	
			12 Isolation	5/2/2006		been charged to Task 2 OK	Yes
49764	Brush Gear Maintenance Required	RBK: Unit 2 Brush Gear	03 Preventive Maintenance (M3)	3/22/2006		See comments on Task 1 OK	Yes
4544	David Constitution in the second					replaced 3 slipring & 1comm brushes Mistake	
			12 Isolation	3/22/2005	1	Mistake OK	Yes
			03 Preventive Maintenance (M3)	3/15/2005			Yes
			12 Isolation	3/22/2004			Yes
31994	Brush Gear Maintenance Required	RBK: Unit 2 Brush Gear	03 Preventive Maintenance (M3)	3/23/2004			Yes

RBK: Unit 2 Control System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
						Replaced broken control wire in RBK-G2 control	
		İ				panel. Investigation of RBK-G2 failure to enable	
						synchronizing determined that the trouble was a	1
			·			break in the wire No. 670/2 between the 52 CS	
			1			2, terminal 6 & 25MA-1, terminal 10. The circuit	
			[interruption was found to be a broken wire in the	1
						G2-B door harness. W.O. 40408 mentioned on	
						Plant Availability report 2409 should be	
	•					cancelled & proper W.O. # attached to Plant	
					Unit will not	Availability report. Plant Availability report	
40426	Unit Not Synchronizing	RBK: Unit 2 Controls System	01 Inspection/Investigation	3/17/2005	synchronize.	changed.	Yes

2177	Work Order Title Dil Sampling & Ansylsis - Governor	Entity Name	Work Type	Date work completed		Closing Comments	Closed
	Di Sampling & Anayisis - Governor Di Sampling & Anayisis - Governor	RBK: Unit 2 Gate Shaft Governor	03 Preventive Maintenance (M3)		Oil Sampling & Anaylsis - Governor		No
014114	on Sumpling & Analysis - Governor	RBK: Unit 2 Gate Shaft Governor	03 Preventive Maintenance (M3)	2/9/2008	Oil Sampling & Anaylsis - Governor	WC # 656685 Oll sample received OK.	Yes
8181	Dil Sampling & Anaylsis - Governor	RBK: Unit 2 Gate Shaft Governor	03 Preventive Maintenance (M3)	12/9/2005	Oil Sampling & Anaylsis - Governor	WC # 666848 Sample recieved.	Yes
						G2 GOV. PUMP HAD THE SHORT SHAFT	1105
	•	İ			1	AND BUSHING WORN , WENT TO PRO	
		!				DAY OF INSVENTION DAINED CAN	
		ł .			Į	WELD TO MACHINE NEW SHAFT AND	
		1				BUSHING .PUT PUMP BACK TOGETHER	1
- 1		1				AND FOUND PUMP STILL TIGHT AND	1
- 1		1		i		ROUGH TOOK PUMP APART AND FOUND	1
- 1		1					1
		1				THE TWO BUSHING WERE NOT IN LINE	1
						WITH EACH OTHER HAD TO BRING BACK	1
						TO PRO-WELD TO HONE BUSHINGS , PUT	i i
					i	TOPROPYED TO HORE BUSINESS, PUT	1
		1				PUMP BACK TOGETHER AND PUMP WAS	1
		1			i	OK.ON THE END COVERS OF THE PUMP	1
	The state of the s	j				HOUSING THEIR ARE WEAR MARKS FROM	1
					As per Bill Guy, the governor pump motor has	THE THE SELECT OF THE PARTY OF	1
			i		1-3 per bis day, and governor panish motor has	THE TWO GEARS, IF THE END CLEARANCE	1
					falled and as far as they know, the bearings need	IJGETS TO LARGE THE PUMP WILL START	
					to be replaced. If has to be removed from	TO LOSE PRESSURE AS OF THEN THE	ľ
					service and taken to a repair center for an	PRESSURE WAS OK. Time was recorded on	_
6311 F	lemove, Repair and Reinstall Governor Pump Motor	RBK: Unit 2 Gate Shaft Governor	CS Repair	11/2/2006	overhaul and testing and then reinstalled.		
4952 C	M Sampling & Anaylsis - Governor	RBK: Unit 2 Gate Shaft Governor	03 Draventhe Meletanana (****	10/2/2003	Of Comment and results and their remarkables.	Task 1 by mistake.	Yes
4952 0	Dil Sempling & Anaylsis - Governor	DSV: Unit 2 Cata Chair Governor	pa c revolute maintenance (M3)	1W11/2005	Oil Sampling & Anaylsis - Governor	wc#666843 Received Oct 21.	Yes
4052	Mi Compling & Appulate Communication	RBK: Unit 2 Gate Shaft Governor	us Preventive Maintenance (M3)	10/11/2005	Oil Sampling & Anayisis - Governor	wc # 666843 Received Oct 21.	Yes
-00g L	il Sampling & Anaylsis - Governor	RBK: Unit 2 Gate Shaft Governor	03 Preventive Maintenance (M3)	10/11/2005	Oil Sampling & Anaylsis - Governor	wc # 686843 Received Oct 21.	
3256 (III Sampling & Anaylsis - Governor	RBK: Unit 2 Gale Shaft Governor	03 Preventive Maintenance (M3)	R/APINAS	Oil Sampling & Anaylsis - Governor		Yes
1718 0	Dil Sampling & Anaylsis - Governor	RBK: Unit 2 Gate Shaft Governor	03 Proposition Maintenance (437)	51412003	On Demping & Analysis + Governor	WC #651421	Yes
		Contract Court Chart Cavernor	on i revernise Maintenatics (M2)	0/15/2005	Oil Sampling & Anaytsis - Governor	wc #651406 Received 2005-06-15 OK	Yes
وامعوا	Ill Enmoline & Annuleis Courses	India to a garage				Wear Check # 651399 . Received 2005-04-	1
	ii Sampling & Anaylsis - Governor	RBK: Unit 2 Gate Shaft Governor	03 Preventive Maintenance (M3)	4/7/2005	Oil Sampling & Anaylsis - Governor	108	Yes
0043 V	Vater Leaks & Governor Adjustment	RBK: Unit 2 Gate Shaft Governor	D5 Repair		Adjust gate limit on partial shutdown solonoid.	OK	
7995 C	Dil Sampling & Annylsis - Governor	RBK: Unit 2 Gate Shaft Governor	III Dominathia Maintanana (MA)	2772005	Carrent date mint on partial sharping solonoid.		Yes
6990 C	oil Sampling & Anaylsis - Governor	CDK-U-4 2 C-1- Ct- 2 C	an Eleventive Maintenance (MD)	2///2005	Oil Sampling & Anaylsis - Governor	w c #651267	Yes
5707 0	il Sampling & Anaylsis - Governor	RBK: Unit 2 Gate Shaft Governor	33 Preventive Maintenance (M3)	12/10/2004	Oil Sampling & Anaylsis - Governor	WC # 635061 Recieved Dec 14/04	Yes
328110	ALCOHOLOGY & WIRANSIS - CONSUMOL	RBK: Unit 2 Gate Shaft Governor	03 Proventive Maintenance (M3)	10/6/2004	Oll Sampling & Anayisis - Governor	WC # 635051 Sample Recieved	
3812 C	il Sampling & Anaylsis - Governor	RBK: Unit 2 Gale Shaft Governor	03 Preventive Maintenance (M3)	B/13/3004	Oil Sampling & Anaytsis - Governor		Yes
Г				5/13/2504	On Comband or Viralized - Gondition	WC # 835078 Sample Recieved	Yes
2957 C	II Sampling & Anaylsis - Governor	RBK: Unit 2 Gale Shall Governor	D3 Description Marketon and Control		<u></u>	Wear Check Number 612526 Sample	1
		THE COME & GOILS SHOUL GOVERNOR	03 Preventive Maintenance (M3)	6/9/2004	Oil Sampling & Anaylsis - Governor	recieved.	Yes
					A switching order is required to isolate the unit		1.03
					and governor to filter the governor oil due to a		
		l i			made governor to part the governor on the to a		
2707 l C	lovemer Oil Requires Fillering	RBK: Unit 2 Gate Shaft Governor	** Juni!		moderate amount of particulates in the oil, 19423		
	The state of the s	NAME OF THE PROPERTY OF THE PR	12 isolation	1,1/4/2005	ppm with abnormal limit at 5000 ppm.		Yes
- 1				· ·	Wear Check sent a report that indicates the	· · · · · · · · · · · · · · · · · · ·	
- 1					governor oil needs to be fillered due to a		1
- 1			1				1
					moderate amount of particulates (19423 ppm		1
- 1		!	Į.		with abnormal limit at 5000 ppm). There has		
					been a steady increase in the amount of		
					particulates showing up in the samples with each		1
2707 G	overnor Oil Requires Filtering	RBK: Unit 2 Gate Shaft Governor	03 Preventive Maintenance (443)	11/4/2000	sample taken,		1
		RBK: Unit 2 Gate Shaft Governor	01 Omegation Mariana and (M3)				Yes
	ii Sampling & Anaylsis - Governor	State Class College Street Governor	revenue maintenance (M3)		Oil Sampling & Anaylsis - Governor	WC # 812621 Sample recieved.	Yes
		RBK: Unit 2 Gate Shaft Governor	03 Preventive Maintenance (M3)		Oll Sampling & Anayisis - Governor		Yes
ishtir	il Sempling & Anaylsis - Governor	RBK: Unit 2 Gale Shaft Governor	03 Preventive Maintenance (M3)		Oil Sampling & Anaylsis - Governor		
ı				12.272.00			Yes
3447 R	ecalibrate Gate Limit Indication	RBK: Unit 2 Gate Shaft Governor	ns Dannie	4844	Recalibrate Gate limit indication, Scada reading	Both G1 and G2 done G1 and G2 completed	
	were manually !!	THE PARK SHOW GOVERNOR	va nepair		89% actual reading 100%.	together	Yes
۔اجبیہ	man Photo de la file de la colo				Recallbrate Gate limit indication, Scada reading	Both G1 and G2 done G1 and G2 completed	·
447 R	ecalibrate Gate Limit Indication	RBK: Unit 2 Gate Shaft Governor	D5 Repair		89% actual reading 100%.		
3243 R	BK2 Governor Weekly Visual Inspection	RBK: Unit 2 Gate Shaft Governor	01 Inspection/Investigation			together	Yes
1242 R	BKZ Governor Weekly Visual Inspection	POK: I Inil 2 Cate Chan Coverno	11 formation (RBK2 Governor Weekly Visual Inspection		No
	BKZ Governor Weekly Visual Inspection	RBK: Unit 2 Gate Shaft Governor	u i inspection/investigation		RBK2 Governor Weekly Visual Inspection		No
- TIP		RBK: Unit 2 Gate Shaft Governor	01 Inspection/Investigation		RBK2 Governor Weekly Visual Inspection		No
3240 R	BK2 Governor Weekly Visual Inspection	RBK: Unit 2 Gate Shaft Governor	01 Inspection/Investigation				
812 0		RBK: Unit 2 Gate Shaft Governor	13 Prevention Maintenance (\$13)	1002 172503	Of Committee of Association Processing		Yes
		Z Gallo Gilan Gaveriloi	es i reseitusc minimientinien (M2)		Oil Sampling & Anaylsis - Governor		No
1673 A	diust Governor Pressure	State of the state	, _ ,	1		Adjusted Cut in to 190 psl from 170 and Cut out	i
1212 A	alast contental cleaping	RBK: Unit 2 Gate Shaft Governor	12 Isolation	8/18/2003			V
]		<u>-</u>					Yes
	djust Governor Pressure	RBK: Unit 2 Gate Shaft Governor	15 Renaic	n/an-men-	Insulan Calif Dania atlass	Adjusted Cut in to 180 psi from 170 and Cut out	l
385İR	BK2 Governor Operational Inspection			8/18/2003	Invoke Self Protection.	to 210 from 190.	Yes
384		R8K: Unit 2 Gate Shaft Governor	us Preventive Maintenance (M3)	9/12/2003	RBK2 Governor Operational Inspection		Yes
HIPOL	BK2 Governor Weekly Visual Inspection	RBK: Unit 2 Gale Shall Governor	11 Inspection/Investigation		RBK2 Governor Weekly Visual Inspection		
1363 R	BK2 Governor Weekly Visual Inspection (RBK: Unit 2 Gate Shaft Governor	31 Inspection/Investigation		RBK2 Governor Weekly Visual Inspection		No
382 FL	BK2 Governor Weekly Visual Inspection	RBK: Unit 2 Gate Shaft Governor	15 Incognitional Control of the Cont				Na
381 2		DOM: Halt 7 Cate Chart Co	v maperiidikiivesiigation		RBK2 Governor Weekly Visual Inspection		Na
200 5		RBK: Unit 2 Gate Shaft Governor	nspection/investigation		RBK2 Governor Weekly Visual Inspection		No
Pontk	BK2 Governor Weekly Visual Inspection	RBK: Unit 2 Gate Shaft Governor	11 Inspection/investigation	10/3/2003			
017(R)	BAZ Governor weekly visual Inspection	RBK: Unit 2 Gate Shaft Governor	11 inspection/Investigation		DBC3 Covers Missle May 1 (2007)	The state of the s	Yes
		RBK: Unit 2 Gate Shaft Governor i	***************************************		RBK2 Governor Weekly Visual Inspection RBK2 Governor Weekly Visual Inspection		No
DIGIR							

RBK: Unit 2 Gate Shaft Governor

Work Order Work Order Title	i Entity Name	Work Type	Date work completed	Description		
24015 RBK2 Governor Weekly Visual Inspection	IRBK: Unit 2 Gale Shot Governor				Closing Comments	Clased (Yes/No)
24014 RBK2 Governor Weekly Visual Inspection	RBK: Unit 2 Gate Shaft Governor			RBIC2 Governor Weekly Visual Inspection		No
				RBK2 Governor Weekly Visual Inspection		Yes
	RBK: Unit 2 Gate Shaft Governor			Oil Sampling & Anaylsis - Governor	WC Number 581520	Yes
	RBK: Unit 2 Gate Shaft Governor			RBK2 Governor Weekly Visual Inspection	····	Yes
	RBK: Unit 2 Gate Shaft Governor		7/15/2003	RBKZ Governor Weekly Visual Inspection	OK	Yes
21834 RBiC2 Governor Weekly Visual Inspection	RBK: Unit 2 Gale Shaft Governor	01 Inspection/Investigation	7/16/2003	RBK2 Governor Weekly Visual Inspection	nk	Yes

RBK: Unit 2 Generator Lower Guide Bearing

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/N
					Recent reports from all analysis indicate a	Closing Comments	LIDSED (YES/N
			•		dramatic increase in the lead content and in	1	
					the acid number. The oil has been in this	i	
						!	i
					bearing for more than 300 days which is good		!
47000	Cil Shares Baselend		l		for Hydro Sale, but now is the right time to	Oil samples are WC # 656882 WC# 666683,	1.
4/665	Oil Change Required	RBK; Unit 2 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)	1/4/2006	change the oil before it gets too bad.	Samples recieved.	Yes
		+	,	i	Recent reports from oil analysis indicate a		
				ł	dramatic increase in the lead content and in		
				l	the acid number. The oil has been in this		
					bearing for more than 300 days which is pood		
				i .	for Hydro Safe, but now is the right time to	DY	
47665	Oil Change Required	RBK: Unit 2 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)	4147550		Oil samples are WC # 666682 WC# 666683.	
	Change Oil			1/4/2000	change the oil before it gets too bad.	Samples recieved.	Yes
70733	Charge Oil	HDK: Citil 2 Generator Lower Guide Bearing	08 Installation		Switching order to thange oil lower guide.	<u></u>	No
	-t				Oil change is required because of information		·
40439	Change Oil	RBK: Unit 2 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)	3/23/2005	from all analysis report.	lok	Yes
					Take Oil Sample after one week of running		
40439	Change Oil	RBK: Unit 2 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)	3/29/2005		Received 2005-03-31 OK	Yes
			, , , , , , , , , , , , , , , , , , , ,				165
		!	l			all change completed on rbk g2 lgb with hydro	
						sale oil all sample was taken from the drum	
						wear check # is 635085 oil change completed	
						on rbk g2 turbine bearing new hydro safe	
					We need to change the oil in the Turbine and	installed in all pot wearcheck #635085 sampel	
					Lower Guide Bearing pots due to recent	taken from drum. All this work was on REK-	
33/79	Oil Change Required	RBK: Unit 2 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)	7/8/2004	results from wear check.	G2	Yes
					Due to results of oil analysis by wearcheck, it		1
30206	Oil Change Required	RBK: Unit 2 Generator Lower Guide Bearing	05 Repair	12/11/2003	is recommended that the oil be changed.		Yes
·					Re-sample the pil within one hour of service		105
30206	Oil Change Required	RBK: Unit 2 Generator Lower Gulde Bearing	SE Donnie	4	and once again one week after use and		
		RBK: Unit 2 Generalor Lower Guide Bearing	na repuii	12/12/2003	forward semples to Mike Burt.		Yes
	RBK2 Bearings Weekly Visual Inspection				RBK2 Bearings Weekly Visual Inspection		No
		RBK; Unit 2 Generalor Lower Guide Bearing	D1 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection	***	No
20233	RBK2 Bearings Weekly Visual Inspection		01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		Na
25232	RBK2 Bearings Weekly Visual Inspection		01 Inspection/Investigation	10/30/2003	RBK2 Bearings Weakly Visual Inspection	OK .	Yes
26378	RBK2 Bearings Operational Inspection	RBK: Unit 2 Generator Lower Guide Bearing	03 Preventive Maintenance (M3)	9/12/2003	RBK2 Bearings Operational Inspection .		Yes
26370	REK2 Bearings Weekly Visual Inspection		01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection	· · · · · · · · · · · · · · · · · · ·	
26369	REK2 Bearings Weekly Visual Inspection	RBX: Unit 2 Generator Lower Guide Bearing	O1 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No
26368		RBK: Unit 2 Generator Lower Guide Bearing	O1 Inspection/levestigation		DOICE DEBUSES MENTAL VISUAL MEDICATION		Na
26367			O1 Inspection/Investigation		RBKZ Bearings Weekly Visual Inspection		No
		THE PARTY CONTINUE COME COME DESIGNATION	o s materiminative suctation		RBK2 Bearings Weekly Visual Inspection		No
						Vibration probe not working therefore unable to	Ĭ .
						get vibration reading for activity. Vibration	
-				İ		probe not working; technologist required to	
						make repair's ; priority to be set by Jeremy	l
26356	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Generator Lower Guide Bearing	01 Inspection/Investigation	10/3/2003	RBK2 Bearings Weekly Visual Inspection	Decker. Work order 26616	J
24009	RBK2 Bearings Weekly Visual Inspection		01 Inspection/Investigation		RBKZ Bearings Weekly Visual Inspection	DEGREE STRIK DIGIGI 200 ID	Yes
	RBK2 Bearings Weekly Visual Inspection		01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No
	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Generalor Lower Guide Bearing	91 Inspection/Investigation				No
	RBK2 Bearings Weekly Visual Inspection				RBK2 Bearings Weekly Visual Inspection		No
24000			01 Inspection/Investigation	8/25/2003	RBK2 Bearings Weekly Visual Inspection	· · · · · · · · · · · · · · · · · · ·	Yes
21030	nonz dearings weekly visual inspection	RBX: Unit 2 Generator Lower Guide Bearing	01 Inspection/Investigation	7/30/2003	RBK2 Bearings Weekly Visual Inspection		Yes
						completed july 23 . For follow up: Lower	-
						Guide & turbine vibration probes not working.	
21829	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Generator Lower Guide Bearing	O1 Inspection/Investigation	7/23/2002	RBK2 Bearings Weekly Visual Inspection	The west to annual violation produce not working,	l.,
21828			Of Inspection/Investination				Yes .
		Conc. Conc. Dediling	o r mapeonumentvestylation	1110/2003	RBK2 Bearings Weekly Visual Inspection	ok	Yes

RBK: Unit 2 Generator Stator

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
					Thermoscan connections between stator		
					neutral leads and split phase CTs in generator		
i					termination cabinet. Pls put copy of report on	See copy of report that was sent that internal	
46264	Check Neutral Connections	RBK: Unit 2 Generator Stator	01 Inspection/Investigation	11/2/2005	Avantis.	mail.	Yes
						Found two leads on one phase burnt	
						off.Replaced connectors on all three phases	
1						with a crimped connector. Also i replaced one	
		1				of the connectors on the neutral buss.in order	
						to replace the rest of the connectors on the	1
						neutral buss i think the lightning arrestors will	
						need to be removed. Those connectors should	
						also be replaced as soon as possible. See file	
						g2 stator under photos rbk. Location of	
						Pictures Asset	
					•	Management\Generation\Rattling	
	Repair Stator Lead	RBK: Unit 2 Generator Stator			Stator leads is burnt of & has to be repaired.	Brook\Pholos\G2 STATOR	Yes
46237	Repair Stator Lead	RBK: Unit 2 Generator Stator	05 Repair	10/24/2005		Worked with B Roche, OK	Yes
1					Technologist installed RTD card while at site		
					under previous work order to investigate	New cabling installed from generator terminator	
i l					problems with the stator temp, sensing device	cabinet to PLC. PLC and PV550 programmed	
					and updated the panelview for display	with alarms set to 85 and Trips set to 95	
29125	Complete Installation of Stator Protection	RBK: Unit 2 Generator Stator	08 Installation	12/3/2003	Indication as well.	degrees celcius. See Craig's comments	Yes
i					Technologist installed RTD card while at site	·	
					under previous work order to investigate		
1		•			problems with the stator temp, sensing device		
					and updated the panelview for display	New cabling installed from generator terminator	
					indication as well. Electrician will be	cabinet to PLC. PLC and PV550 programmed	
20125	Complete Installation of Stator Protection	BBK: Hait & Cananatas States	GO lestelletine		completing the wiring and technologist will have		
29123	Complete (installation of Stator Protection	Kok: Unit & Generator Stator	no installation		to complete commissioning.		Yes
1						Old RTU display not functioning. I have	
						installed a RTD card in the processor and	
1					G2 Stator Temp. Not working since machine	updated the panelview for display indication.	
22171	Investigate Stator Temp. Sensing Device	RBK: Unit 2 Generator Staton	Of Inspection/Investigation		was upgraded,	This stator protection is standard in our	
		THE COME CONTRICT CHAIN	o i mopocio i milive sugationi	10/15/2005	wes upficated.	hydroplanis. Work order 29125	Yes

RBK: Unit 2 Generator Upper Guide/Thrust Bearing

Work Order	Work Order Title	Entity Name	Work Typs	Date work completed	Description	Clasing Comments	Closed (Yes/No)		
						Oil also channed on RBK-G2 Turbine	Ciosed (1520AD)	\longrightarrow	
						bearing as per request of Bill Guy. WC		l	1
						Numbers: RBK-G2 THB 651416 RBK G		- 1	ı
				'	A switching order clearance is required to	2 TUE 651417 Oil from New Drum	i	l	1
						651418 Oil samples taken 5 days after		l	1
43152	Oil Change Required	RBK: Unit 2 Generator Upper Guide/Thrust Bearing	12 Isolation				Yes	- 1	ı
1 1				'' '	Recent reports from all analysis indicate a		103		
1 1					trended increase in the lead content and in the			i i	
i i					acid number. Byron also indicates that the	Oli also changed on RBK-G2 Turbine			i
į !						bearing as per request of BIII Gay. WC			i
i I					the alarm point. The oil has been in this	Numbers: RBK-G2 THB 651416 RBK G			
l 1					bearing for more than 900 days which is good	2 TUB 651417 Oil from New Drum			i
i i						651415 Oil samples taken 5 days ofter		- 1	i
						unit put back in service. Oil sample		- 1	
	Oil Change Required	RBK: Unit 2 Generator Upper Golde/Thrust Bearing		7/15/2005	time to change the oil.		Yes	i i	
			Of Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No		
			01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No	+	
			O1 Inspection/investigation		RBiC2 Bearings Weekly Visual Inspection		No	 +	
			01 Inspection/Investigation	10/27/2003	RBK2 Bearings Weekly Visual Inspection		Yes	+	
			03 Preventive Maintenance (M3)		RBK2 Bearings Operational Inspection		Yes		
			01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No	+	
			Q1 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No	+	
			01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No		
			01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No	\rightarrow	
			01 Inspection/lavestigation		RBK2 Bearings Weekly Visual Inspection		Yes		
			O1 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No.		
			O1 Inspection/investigation		RBK2 Bearings Weekly Visual Inspection		No	-	
24003			O1 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No		
24002			01 Inspection/Investigation		RB/Q Bearings Weekly Visual Inspection		Yes		
21827			01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		Yes	 -	
21828		RBK: Unit 2 Generator Upper Guide/Thrust Bearing	01 Inspection/Investigation				Yes	$-\!\!\!-\!\!\!\!-$	
21825	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Generator Upper Guide/Thrust Bearing	01 Inspection/Investigation				Yes	-	

RBK: Unit 2 Governor Control System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
1					Speed control will not lower in local mode	G2 speeder motor local control	
					but it will raise. Speed control will work both	not working checked found	
				4	raise and lower in remote mode. Pat	wire burnt off near wear door	
					O'keefe is going to RBK next week and	closes ,ran new wire from	
					technologist could probably help him over	terminal block at bottom of	
31282	Investigate Governor Control	RBK: Unit 2 Governor Control System	01 Inspection/Investigation	2/17/2004	the phone to trouble shoot this problem.	breaker to top of door.	Yes

RBK: Unit 2 Hydroelectric Turbine

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No
		1	1		(1) Generate alarm message on local ann.	Orosing Comments	GIGSEG (TES/NO
1			ĺ		(2) Develope & wire general PLC alarm to		
1 '					R.T.U. for remote indication.Follow up from		
42392	Update Alarms & Commission	RBK: Unit 2 Hydroelectric Turbine	96 Modification - Non-capital		WO #36521.	This job was complete as per K Gill OK	Yes
			· · · · · · · · · · · · · · · · · · ·			The logic program was modified to install timer	163
1		l	i			on G2 low gland water flow trip, however it was	
1		ł				set for maximum time because the flow switch	1
1 '						sensitivity is coarse compared to the	1
1 '		ŀ				maximum flow permitted (without flooding the	i
1 '						headcover). The flow switch was re-zeroed and	
1			!			the the set-point re- commissioned, and an	İ
1						alarm creared 15 seconds after the flow fall	
1 '						below the set-point, the trip will occur 32752	l
1 '						seconds after. Follow Up (1) Generale alarm	[
1 '						message on local ann. (2) Develope & wire	
1 '						general PLC plarm to R.T.U. for remote	
1 '						Indication. This follow up was suggested to	
1 '					WO#36336. From an investigation by J	be completed when the forebay W.L.	
					Decker we will be enabling this trip again &	Installation is being performed. See WD #	
	Set Flow & Install Timers on PLC	RBK: Unit 2 Hydroelectric Turbine				42392	Yes
		RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Weekly Visual Inspection		No
	RBK2 Turbine Weekly Visual Inspection		01 Inspection/Investigation		RBK2 Turbine Weekly Visual Inspection		No
		RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Weekly Visual Inspection		No
28216	RBKZ Turbine Weekly Visual Inspection	RBK: Unit 2 Hydroelectric Turbine	01 Inspection/lovestigation	10/30/2003	RBK2 Turbine Weekly Visual Inspection	Adj. time OK	Yes
l'	L			•	This is follow up work from work order 21817		
	Investigate Leak in Draft Tube Door	RBK: Unit 2 Hydroelectric Turbine			and was given a P5 by Tom Hanlon.		No
	RBK2 Turbine Operational Inspection	RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Operational Inspection		İYes
	RBK2 Turbine Weekly Visual Inspection	RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Weekly Visual Inspection		No
	RBK2 Turbine Weekly Visual Inspection		01 Inspection/Investigation		RBK2 Turbine Weekly Visual Inspection		No
		RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Weekly Visual Inspection		No
		RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Weakly Visual Inspection		No
		RBK: Unit 2 Hydroelectric Turbine					Yes
		RBK: Unit 2 Hydroelectric Turbine			R8K2 Turbine Weekly Visual Inspection		No
		RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Weekly Visual Inspection		No
		RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Weekly Visual Inspection		No
		RBK: Unit 2 Hydroelectric Turbine			RBK2 Turbine Weekly Visual Inspection		Yes
21815	RBK2 Turbine Weekly Visual Inspection	RBK: Unit 2 Hydraelectric Turbine	01 Inspection/Investigation	7/31/2003	RBK2 Turbine Weekly Visual Inspection		Yes
'	· ·	1	Į i			Draft tube door is feaking small amount. P5	
	Digies work as two thinks and the	l	l			This is captured in work order #26688 and is	
216171	RBK2 Turbine Weekly Visual Inspection	RBK: Unit 2 Hydroelectric Turbine	01 Inspection/Investigation	7/24/2003	RBK2 Turbine Weekly Visual Inspection		Yes
	RBK2 Turbine Weekly Visual Inspection	FROM: Unit 2 Hydroelectric Turbine	FU1 Inspection/Investigation	7/17/2003	RBK2 Turbine Weekly Visual Inspection	ok .	Yes

RBK: Unit 2 Main & Bypass Valve Control

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
40423	Install Indicating Lights	RBK: Unit 2 Main & Bypass Valve Control	08 Installation	3/17/2005	Install indicating lights on G2 main valve.	ОК	Yes
		•	1		Over the last couple of years gaskets have		
F					been failing on the solenoid that operates the		
					5 way valve which in turn operates the main		
					valves.In discussion with John Budgell it was		
					decided to replace the present solenoid with		
			i		an Asco valve which should be able to		
36551	Install Asco Valves	RBK: Unit 2 Main & Bypass Valve Control	08 Installation	6/16/2005	handle the pressure.	OK	Yes
1				Ì .]	Valve was removed from pit .lt was	
		•				disassembled and inspected. The cylinders	·
						were removed along with the piston	
i I						spools.Everything was in good condition but no	
				j		work had been done on them since 1958,All	
	•					parts were cleaned and sandblaster and a new	
					Over the last couple of months we have been		,
ì		,			having some problems with this valve not	installed on #2 unit. Then this 5-way was taken	
					working properly To complete this work a	up and the same maintence was performed.	
25400	D		l		self protection will be required. We will try to	The Orings used were purchased locally low	
35196	Remove 5 Way Valve for Repairs	RBK: Unit 2 Main & Bypass Valve Centrol	05 Repair	10/29/2004	make these repairs on site if possible.	COSLOK	Yes
1					RBK-G2 Pivot Valve sometimes fall to		
ļ ·					operate. The problem appears to be in the		· ·
					water operated 2" 5 Way Control Valve.		\ '
]					Drawing # 8E-30993-47-26 shows a plunger	Water levels high, problem not present at time	
					and cylinders . These or the piping to the	operator says problem hasen, t happened in	
21205	Income Euro Minu Control Value	DOIG 1 Lik 2 Main B Dunner Makes Control	04 1		system may contain rust or dirt that will impair		
7 1383	Inspect Five Way Control Valve	RBK: Unit 2 Main & Bypass Valve Control	01 Inspection/Investigation	8/28/2003	aperation of the system.	valve. found loose fillings and tigthened.	Yes

RBK: Unit 2 Main Inlet Pivot Valve

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
					-	Investigation showed that the 20W-2 relay	
						was not working. A repalcement was found	
	1					on site and installed. A spare relay from our	
				,		system needs to be sent to RBK, or in the	
	•					case of not locating a spare, the coil on the	
34927	Investigate Main Inlet Pivot Valves Remote Control	RBK: Unit 2 Main Inlet Bluet Value	Ci lorosation/lausatientien	2400004		relay could be rewound. (I will take care of	
34927	Investigate Main Inlet Pivot Valves Remote Control	PRIC Unit 2 Main Inlet Pivot Valve	O1 Inspection/investigation			this replacement.)	Yes
	WATER AND THE PROPERTY OF THE	INDIC CHILE I WAIT HIRE FIVOL VALVE	o i inspectorizinvesagation		Pivat valve not working in remote modes. The solenoid shutdown valve on the main inlet	See Craig's notes	Yes
					pivot vaive does not seem appropriately sized		
1					because the gaskets don't seem to last. We		
1					need to determine if this is the case or is there		
					some underlying factor causing the deterioration		i
					of the gaskets. The specs on the existing		F
				ŀ	valve are: Burkert(made in Germany) 0340 c		
					12,0 NBR MS G3/8 PNO,5-16bar 124816G		
31327	Inspect Sciencid Shutdown Valve on Pivot Valve	RBK; Unit 2 Main Inlet Pivot Valve	01 Inspection/Investigation		DN12 NPT		Na
	 				Main inlet valve is leaking around the seal.		140
20007	Investigate Leaky Main Inlet Valva	RBK: Unit 2 Main Inlet Pivot Valve	01 Inspection/Investigation		Penstock will be drained in October.		No
				, , , , , , , , , , , , , , , , , , ,		main inlet valve is leaking around the seal	
						penstock will be drained in october this	
						problem can be reparted by John Budgetl,s	
26386	RBK2 Main Inlet Valve Inspection	RBK: Unit 2 Main Inlet Pivot Valve	Ot Inconsting Coverige line	5479000		crew then This is captured under work	
20000	I West traite Windbootlast	TITLE CHILL I WEST BIRT FIVOL VEIVE	or mapecuoismyesugadon	9/15/2003	RBK2 Main Inlet Valve Inspection	order #28667	Yes

RBK: Unit 2 Metering Equipment

Г	Work Order Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
1	170111 01201		•		Nexus meter not working properly	Change out & testing took about 2 hrs other	
	40018 Replace Nexus Meter	RBK: Unit 2 Metering Equipment	05 Repair	2/2 <u>2/2005</u>	change out for test Thursday.	time was checking meter day before.	Yes

RBK: Unit 2 Remote Control System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
1						Replaced the limit switch used for indication.	
						Contacts burned off on old switch. Suggest	
						ordering two Allen Bradley's 802T-A with wheel	
						type operators plus another wheel type operator	
24050	Annual Indiana			•		for the now in service limit switch (presently	
31300	investigate Why Remote Control of Pivot Valve is Not Working	RBK: Unit 2 Remote Control System	05 Repair	3/1/2004		using a whip).	Yes

RBK: Unit 2 Switchgear System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
	•				A switching order is required to		
Ĭ, l	*		1		isolate G2 to make repairs to hot	<u>'</u>	ì
31976	Repair Hot Spot on Power Cables	RBK: Unit 2 Switchgear System	12 Isolation	3/23/2004	spots on the power cables.	į	Yes
					As result of recent thermoscanning		
1					done by Pat O'Keefe, hot spots were	Time was entered on	
31976	Repair Hot Spot on Power Cables	RBK: Unit 2 Switchgear System	12 Isolation		noted and a repair is required.	task 1 for all tasks.	Yes
					Thermoscan cables to ensure the	Time was entered on	
31976	Repair Hot Spot on Power Cables	RBK: Unit 2 Switchgear System	02 Predictive Maintenance		repair was successful.	task 1 for all tasks.	Yes

RBK: Unit 2 Turbine Guide Bearing

Wark Order	Work Order Title	Entity Name	Work Type	Date work completed	Description		
				Date Work completed	Description	Closing Comments	Closed (Yes/No
						oil change completed on rok gZ Igo with hydro	
						safe oil oil sample was taken from the drum	
		İ				wear check # is 635085 oil change completed	
1 .					100	on rbk g2 turbine bearing new hydro safe	
1 '					We need to change the oil in the Turbine and	installed in oil pot wearcheck #635085 sampel	
33779	Oil Change Required	RBK: Unit 2 Turbine Guide Bearing	03 Preventive Maintenance (143)	755504	Lower Guide Bearing pots due to recent results from wear check	taken from drum. All this work was on RBK-	i
		Note that I have been beening	CO 1 TO STITLE INTRINSTITE (INC)			G2	Yes
					RBK G2 has been experiencing trips on low		
					Gland Water flow and it appears to be due to		
					fluctuations in the scroll case pressure as this		
					is where the gland water supply is taken from.		
	•]			We should investigate alternatives for the		
		1			supply water to the gland. The current		
		i			supply does not start until the main valve		
					opens as it is fed off the scroll case, so in		
					other words, not getting flow until the unit		
					starts is fine. The existing supply line is only	There was no need to re-route the supply as	
24844	(manadianta Banadiata Banana da Bana				about a 3/8" line and flow is very low in the	we determined by adjusting the flow rate back	
21911	Investigate Possible Sources for Re- Routing Gland Water Flow	RBK: Unit 2 Turbine Guide Bearing		6/10/2004	first place. I	to 3/4 of a gallon per minute.	Yes
			01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No
	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Turbine Guide Bearing	01 Inspection/investigation		RBK2 Bearings Weekly Visual Inspection		No
		RBK: Unit 2 Turbine Guide Bearing			RBK2 Bearings Weekly Visual Inspection		No
28236	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Turbine Guide Bearing		10/21/2003		0k	Yes
26379		RBK: Unit 2 Turbine Guide Bearing	03 Preventive Maintenance (M3)	9/12/2003	RBK2 Bearings Operational Inspection		Yes
		RBK: Unit 2 Turbing Guide Bearing	01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No
26374			01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No
26373		RBK: Unit 2 Turbine Guide Bearing	D1 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No.
26372	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Turbine Guide Bearing	01 Inspection/investigation		RBK2 Bearings Weekly Visual Inspection		No
1	· · · · · · · · · · · · · · · · · · ·				The state of the s	Vibration probe not working therefore unable to	IVO
1						get vibration reading for activity. Vibration	
I			l			probe not working ; technologist required to	
	TTIME D. 1. 10. 11. 11. 11.		ļ			make repair's; priority to be set by Jeremy	
26371	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Turbine Guide Bearing	01 Inspection/Investigation	9/29/2003	RBK2 Bearings Weekly Visual Inspection		Yes
24013	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Turbine Guide Bearing	01 Inspection/Investigation		RBIQ Bearings Weekly Visual Inspection		
24012		RBK: Unit 2 Turbine Guide Bearing	01 Inspection/investigation		RBK2 Bearings Weekly Visual Inspection		No
24011	RBKZ Bearings Weekly Visual Inspection	RBK; Unit 2 Turbine Guide Bearing	01 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No
240101	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Turbine Guide Bearing	O1 Inspection/Investigation		RBK2 Bearings Weekly Visual Inspection		No
	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Turbine Guide Bearing	Ot Inspection/Investigation	7/30/2003		illumine en la cata de	Yes
	RBK2 Bearings Weekly Visual Inspection	RBK: Unit 2 Turbine Guide Bearing		7/18/2003			Y85
21831	RBKZ Bearings Weekly Visual Inspection		01 Inspection/Investigation	7/16/2003			Yes
			,	** 10/2003	TOTAL DESIRENS ASSERTED ASSESSED TO THE PROPERTY OF THE PROPER	anly 15 min. required.	Yes

RBK: Unit 2 Turbine Head Cover

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
1		;; <u> </u>			A switching order is required to carry out		1
40952	Clean and Paint Head Cover	RBK: Unit 2 Turbine Head Cover	12 Isolation		cleaning and painting of the head cover.	<u> </u>	No
					Tom Hanlon recommeds that the head		
40952	Clean and Paint Head Cover	RBK: Unit 2 Turbine Head Cover	03 Preventive Maintenance (M3)		cover be cleaned and painted.		No
						This was investgated and to be repaired	
1					The supply pipe to the inductor pump is	when the filter system is to be	
1		\			leaking and is corroded and needs to be	overhauled. A list of materials was	
31328	Replace Section of Pipe for Inductor Pump	RBK: Unit 2 Turbine Head Cover	05 Repair	2/25/2004	replaced.	noted for the job. Mike Burt has list.	Yes

RBK: Unit 2 Voltage Control System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
40408	repair sync controls RBK-G2	RBK: Unit 2 Voltage Control System	05 Repair				No

RBK: Unit 1 Protective Relay System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
					While performing load rejection tests we		
			i .]	determined that the overcurrent protection	}	ŀ
					on RBK-G1 trips only G1-B and unit will	i	
40012	Check & Repair Over Current Protection	RBK: Unit1 Protective Relay System	05 Repair	ļ	resync with system after it trips.	l	N <u></u> □
			"			A review of the drawings confirmed that the	
						O.C. trip is intended to open the generator	
					i	breaker only, however if a real O.C. was to	
			l		While performing load rejection tests we	occur the unit would have locked out via over	ŀ
					determined that the overcurrent protection	speed. The O.C. trip function will be revised	
					on RBK-G1 trips only G1-B and unit will	to conform with standards when the plant	
40012	Check & Repair Over Current Protection	RBK: Unit1 Protective Relay System	05 Repair	1/27/2006	resync with system after it trips.	control upgrade is completed. OK	Yes

RBK: Unit 2 Protective Relay System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description		Closed (Yes/No)
					" <u>"</u>	Trip is present on low oil level on the turbine,	
1 1			i '			however due to the nature of the original float	
İ					,	device for Indication the high oil level has been	
İ					•	blocked. As far as I can tell an alarm never	
						existed it was always a trip to the machine.	
					Determine the requirements to allow functioning	Solution to the problem is to have a header	\ \ \
Y Y						system built that will take seperate low and high	
			1		make the necessary recommendations for follow	oil trips. Waiting for response from Bill guy on	i
					up work including estimated duration of repair and	priority. Tried calling and also sent e-mail on	
24269	Turbine Bearing High Level Alarm	RBK: Unit2 Protective Relay System	O1 Inspection/Investigation	9/5/2003	manpower requirements.	September 22/03.	Yes
			T		RBK-G2 was shut down bt SCC and Machine did]
					not come to a complete stop. Creep alarm did not		
					work to notify of problem. Investigate cause	always present but no SCC annunciation was	
24231	Investigate Faulty Creep Alarm	RBK: Unit2 Protective Relay System	01 Inspection/Investigation		and make recommendations.		Yes
			T		RBK-G2 was shut down bt SCC and Machine did	,	۱ · · · · · · · · · · · · · · · · · · ·
\		1	1)	not come to a complete stop. Creep alarm did not	1	
			1		work to notify of problem. Investigate cause		
24231	Investigate Faulty Creep Alarm	RBK: Unit2 Protective Relay System	01 Inspection/Investigation	l	and make recommendations.		No

RBK: Water Level Monitoring System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments		Closed (Yes/No)
· · · · ·					This system has been reading	New system installed and		
42381	Install New Equipment	RBK: Water Level Monitoring System	08 installation	6/13/2005	erratic for some time	calibration filled,see below	OK	Yes
-					This system has been reading		- 1	
42381	Install New Equipment	RBK: Water Level Monitoring System	08 Installation	6/13/2005	erratic for some time.	ок		Yes

RBK: Waterworks System

Work Order	Work Order Title	F-426 \$1	T				
		Entity Name RBX: Waterworks System	Work Type O1 Inspection/Investigation	Date work completed		Closing Comments	Closed (Yes/No
49275	Dam Safety Operator Inspection (quarterly)	RBK: Waterworks System	O1 Inspection/Investigation	7/13/2006			No
	Dam Safety Operator Inspection (quarterly)	DDK: Waterworks System	Of Inspection/Investigation	4/13/2008		OK	Yes
45025	Dam Safety Operator Inspection (quarterly)	REK: Waterworks System	Of Inspection/Investigation	1/11/2006 10/20/2005		OK	Yes
1,022	Party Carrette Happener (quarterly)	TELE WATERWOOKS SYSTEM	D1 Inspection/investigation	10/20/2005	<u> </u>	OK	Yes
44296	Dam Safety Engineering Inspection.	RBK: Waterworks System	01 inspection/investigation	9/23/2005		Inspections were completed in accordance with Dam Safety Inspection program, Follow work will be entered into Avantis by T>Chislett as	
	Dam Safety Operator Inspection (quarterly)	RBK: Waterworks System	01 (respecting/investigation	B/9/2005		separate Work Requests. OK	Yes
	(quarion)	TIETE THACTHORS CYSICIT	ta i mapecabibiliyesaganun	0/8/2005			Yes
40311	Dam Safety Operator Inspection (quarterly)	RBIC Waterworks System	01 Inspection/Investigation	4/28/2005		large amount of debris & arry,s and vegatation some vegetation at emerg spilway @ rattling forebay dam nees vegetation cut	Yes
			· 			Recommended Follow Up : Ratiling Dam &	162
37597						Spillway Channel: Cut Vegatalion,(38740,38741) Amy's Dam: S Spillway Channel: Cut Vegatalion,(38740,38741) Amy's Dam: Cut Vegatalion,(38738,38739) Forebay Dam: Cut Vegatalion,(38432) Notes: Ensure there is no spill at Ratilling Spillway Channel when scheduling work. See work	
3/52/	Dam Safety Operator Inspection (quarterly)	RBK: Waterworks System	O1 Inspection/Investigation	1/11/2005	i <u>l</u>	orders above.	Yes
37527	Dam Safety Operator Inspection (quarterly)	RBK: Waterworks System	O1 inspection/investigation	1/11/2005		Recommended Follow Up: Railling Dam & Spillway Channel: Cut Vegatation.(35740,38741) Amy's Dam: Remove Debris & Cut Vegetation.(38738,38739) Forebay Dam: Cut Vegetation.(36332) Notes: Ensure there is no spill at Railling Spillway Channel when scheduling work. See work orders above.	
				771112300		Recommended Follow Up : Railling Dam &	Yes
37527	Dam Safety Operator Inspection (quarterly)	RBK: Waterworks System	01 Inspection/Investination	1/11/2005		Spillway Channel: Cut Vegitation, (38740, 38741) Anny's Dam: Remove Debris & Cut Vegetation, (36738, 38739) Forebay Dam: Cut Vegetation, (36432) Notes: Ensure there is no spill at Rattling Spillway Channel when scheduling work. See work orders above.	
			· · · · · · · · · · · · · · · · · · ·		Gouldings Spillway, required metal	bideis above,	Yes
36304	install metal posts	RBK: Waterworks System	85 Repair		posts for signage. We will find in the next 30 days the size of new signs & if we can use metal or wooden posts.		Na
		į į			, , , , , , , , , , , , , , , , , , , ,	brush require,s culting in the spillway	- II.
35368	Dam Safety Operator Inspection (quarterly)	RBK: Waterworks System	O1 Inspection/Investigation	10/19/2004		channelsthe downstream slope on the dam suggestd prority 5 Work maybe complete this fall under WO #36432	Yes
35388			01 Inspection/Investigation	10/19/2004		brush require,s cuttling in the spillway channel&the downstream stope on the dam suggestd proiity 5 Work maybe complete this fall under IVO #38432	Yes
-	operator asspection (quarterly)	RBK: Waterworks System	n i mebecalominvestidajioù	7/19/2004			Yes
31795	Dam Safety Operator Inspection (quarterly)	EDV: Materiarie Curt			į	The concrete still for the gate structure at Frazer Ocean Dam is broken away & wastes down stream; gate is hard to operate. Ratifling splitway walkway needs repairs, railing rusting & two wing brushes on Security fence. Arry's Dam: some blockage in outlet channel, a large amount of debris on dom. RBK forebay gatehouse; dam & walkway in poor condition. RBK surge tanks brace missing (new brace on site). Check with Tony Chislett for follow up	
	онил орегари порешин (фивисиу)	mpin. vvaletworks System	ut inspection/investigation	4/14/2004		work. Waiting for response from Tony.	Yes
31638	Fish Activity Monitoring	RBK: Waterworks System	11 Environmental	4/22/2004		unable to check for fish due to high water levels screens na	Yes

RBK: Waterworks System

Work Order	Work Order Title	Entity Name	Wark Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
i I			-				
		L				Unable to check trashracks due to water level,	
30862	Fish Activity Monitoring	RBK: Waterworks System	11 Environmental	3/25/2004	Fish Activity Monitoring		Yes
		1				Unable to check trashrack's due to high water	
			I		<u>i</u>	level. Unable to complete all activities due to	
		RBK: Waterworks System			Fish Activity Monitoring	snow and ice cover in area's.	Yes
29905	Dam Safely Operator Inspection (quarterly)	RBK: Waterworks System	O1 Inspection/Investigation	1/28/2004			Yes
					· · · · · · · · · · · · · · · · · · ·	Due to high water level's ; unable to check	
						trashmick's. There are no screen's installed in	
						this system ; there fore this activity should be	
	Fish Activity Manitoring	RBK: Waterworks System			Fish Activity Monitoring	removed from work order,	Yes
	Fish Activity Monitoring	RBK: Waterworks System			Fish Activity Monitoring	·	Yes
	Fish Activity Monitoring	RBK: Waterworks System		11/19/2003	Fish Activity Monitoring		Yes
	Fish Activity Manitoring		11 Environmental	10/28/2003	Fish Activity Monitoring		Yes
		RBK: Waterworks System	11 Environmental	9/25/2003	Fish Activity Monitoring		Yes
	Fish Activity Manitoring		11 Environmental	B/12/2003	Fish Activity Manitoring		Yes
20960	Fish Activity Manitoring	RBK: Waterworks System	11 Environmental	7/18/2003	Fish Activity Monitoring	ОК	Yes

RBK: Amy's Lake Freeboard Dyke No. 1

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments Closed (Yes/No)
			01 Inspection/Investigation	10/30/2003	Dam Safety Operator Inspection	Yes Yes
			01 Inspection/Investigation		Storage Dam Site Walkabout	Yes
			01 Inspection/Investigation		Storage Dam Site Walkabout	Yes
22917 Stor	age Dam Site Walkabout	RBK:Amy's Lake Freeboard Dyke No. 1	01 Inspection/Investigation		Storage Dam Site Walkabout	Yes

RBK: Amy's Lake Freeboard Dyke No. 2

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
27181 Da	am Safety Operator Inspection	RBK:Amy's Lake Freeboard Dyke No. 2	01 Inspection/Investigation	10/30/2003	Dam Safety Operator Inspection		Yes
27062 St	lorage Dam Site Walkabout	RBK:Amy's Lake Freeboard Dyke No. 2	01 Inspection/Investigation	10/24/2003	Storage Dam Site Walkabout		Yes
25039 St	torage Dam Site Walkabout	RBK:Amy's Lake Freeboard Dyke No. 2	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout		Yes
22918 St	torage Dam Site Walkabout	RBK:Amy's Lake Freeboard Dyke No. 2	01 Inspection/Investigation	8/19/2003	Storage Dam Site Walkabout		Yes

RBK: Amy's Lake Freeboard Dyke No. 3

Work Order Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments Closed (Yes/No)
	RBK:Amy's Lake Freeboard Dyke No. 3	01 Inspection/Investigation	10/30/2003	Dam Safety Operator Inspection	Yes
	RBK:Amy's Lake Freeboard Dyke No. 3	01 Inspection/Investigation		Storage Dam Site Walkabout	Yes
25040 Storage Dam Site Walkabout	RBK:Amy's Lake Freeboard Dyke No. 3	01 Inspection/Investigation		Storage Dam Site Walkabout	Yes
22919 Storage Dam Site Walkabout	RBK:Amy's Lake Freeboard Dyke No. 3	01 Inspection/Investigation		Storage Dam Site Walkabout	Yes

RBK: Frozen Ocean Lake Dam

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (YesiNo)
1					Concrete for sill under the gate is broken		
					away and washed down stream plus the		
					bottom sill is gone. PPM recommends		
]	that this not be done until spring, due to		
29250	Inspect Concrete Sill Under Gate	RBK:Frozen Ocean Lake Dam	01 Inspection/Investigation	10/18/2004	water levels at this time.	Completed by Harbour Construction	Yes
						Concrete for sill under the gate is broken	
]	}			ŀ		away and washed down stream plus the	
		i				bottom sill is gone. 1. SHOULD BE DONE	
	•		1		İ	AS SOON AS POSSIBLE BUT DUE TO	
						WATER LEVELS AT THE PRESENT	
]		TIME THIS WORK SHOULD BE DONE	
		l	(l	[NEXT SPRING.	
27183	Dam Safety Operator Inspection	RBK:Frozen Ocean Lake Dam	01 Inspection/Investigation	10/29/2003	Dam Safety Operator Inspection	PRIORITY 5 Work order 29250	Yes

RBK: Rattling Lake Dam

Stoplog Structure Operational Test Storage Dam Sile Walkabout Storage Dam Sile Walkabout		01 Inspection/Investigation	I		Closing Comments	Closed (Yes/No
Storage Dam Site Walkabout Storage Dam Site Walkabout	IRBK:Rattiing Lake Dam				<u> </u>	No
Storage Dam Site Welkabout		03 Preventive Maintenance (M3)		Stoplog Structure Operational Test		No
	RBK:Rettling Lake Dam	01 Inspection/investigation				No
	RBK:Rattling Lake Dam	Ot Inspection/Investigation	6/14/2006		ok	Yes
Storage Dam Sile Walkabout	RBK:Rattling Lake Dam	01 Inspection/Investigation	5/17/2006	<u> </u>	ak	Yes
Storage Dam Site Welkebout	RBK:Rattling Lake Dam	01 Inspection/Investigation	4/11/2006	<u> </u>	ok	Yes
Storage Dam Site Walkabout	RBK:Rattling Lake Dam	01 Inspection/Investigation	3/20/2006			Yes
Storage Dam Site Walkabout	RBK:Rattling Lake Dam	01 Inspection/Investigation	2/15/2006		OK	Yes
	RBK:Rallling Lake Dam	01 Inspection/Investigation			-	Yes
	RBK:Ralling Lake Dam	01 Inspection/Investigation	12/20/2005	i	OK	Yes
	RBK:Rattling Lake Dam	01 Inspection/Investigation	11/16/2005			Yes
	RBK:Rattling Lake Dam	O1 Inspection/Investigation	10/19/2005	-	OK .	Yes
	RBK:Ratting Lake Dam	Of Inspection/Investigation	9/16/2005		ОК	Yes
	REK:Rattling Lake Dam	Of Inspection/Investigation	8/8/2005			Yes
	RBK:Rattling Lake Dam	03 Preventive Maintenance (M3)	8/18/2005	Stopion Structure Operational Test	everything ak	Yes
						Yes
Storage Dam Sile Walkabout	RBK:Rallling Lake Dam	01 Inspection/Investigation	6/30/2005			Yes
						Yes
			4/7/2005	· · · · · · · · · · · · · · · · · · ·		Yes
Storage Dam Site Walkabout	R9K:Rattling Lake Dam	O1 Inspection/Investigation				Yes
	1				Sindy Colectica City	185
	RBK:Rattling Lake Dam	16 Vecetation Control			•	No
Storage Dam Site Walkabout					dam is snow counted	Yes
				·		1765
	RBK:Rattling Lake Dam	01 Inspection/Investigation	1/5/2005	1		Yes
	RBK:Rattling Lake Dam	01 Inspection/Investigation	12/23/2004		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Yes
Storage Dam Site Walkabout	RSK:Rallling Lake Dam	01 Inspection/Investigation			nk OK	Yes
Storage Dam Site Walkebout	RBK:Rallling Lake Dam	01 Inspection/Investigation				Yes
Storage Dam Sile Walkabout	RBK:Rattling Lake Dam	O1 Inspection/Investigation				Yes
	RBK:Rattling Lake Dam	01 Inspection/lovestigation				Yes
Stoplog Structure Operational Test	RBK:Rattling Lake Dom	03 Preventive Maintenance (M3)	8/24/2004			Yes
		1000			OK.	Tes
Dam Safety Engineering Inspection (High-1 Category)	RBK:Rattling Lake Dam	Of Inspection/Investigation				No
S <u>torage</u> Dam Site Walkabout	RBK:Rattling Lake Dam	01 Inspection/Investigation	7/19/2004			Yes
	RBK:Rattling Lake Dam	01 Inspection/Investigation				Yes
Storage Dam Site Walkabout	RBK:Rattling Lake Dam	01 Inspection/Investigation				Yes Yes
	RBK:Rallling Lake Dam	01 Inspection/Investigation				
Storage Dam Site Walkebout	R8K:Rallling Lake Dam	01 Inspection/Investigation			Hasia saguenue la ama	Yes Yes
Storage Dam Site Walkebout	RBK:Rattling Lake Dam	O1 Inspection/lovestigation			- 1984 STREET SELECT	Yes
Storage Dam Site Walksbout	RBK:Rattling Lake Dom	O1 Inspection/levestigation			Dom was nameousped at time of ignoration	Yes
Storage Dam Site Walkabout	RBK:Rattling Lake Dam	Of Inspection/investigation			ban was answedvered at time of inspection.	Yes
Storage Dam Site Walkabout	RBK:Ratting Lake Dam	01 Inspection/Investigation				Yes
Dam Safety Operator Inspection	REK:Rattling Lake Dam	01 Inspection/Investigation				
Slarage Dam Site Walkabout	RBK:Rattling Lake Dam	01 inspection/investigation				Yes Yes
Storage Dam Site Walkobout	RBK:Rallling Lake Dom	01 Inspection/Investigation				Yes
Stoplog Structure Operational Test			8/15/2003	Stoolog Starting Coemings Test		
Storage Dam Site Walkebout	RBK:Rattling Lake flore	01 Inspection/Investigation	Allamona I	Storage floor Sto Wolkshood		Yes Yes
	iterage Dom Site Welkabout iterage Dom Site Welk	storage Dam Site Walkabout RBK-Rattling Lake Dam storage Dam Site Walkabout RBK-Rattling Lake D	ibrage Dam Site Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the program of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the program of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the program of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the Walkabout RBK-Ratilling Lake Dam Of Inspection/investigation of the program of th	terrage Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/17/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 12/20/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 11/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 10/19/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 10/19/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 10/19/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 10/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 16/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 16/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 16/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 16/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 16/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 16/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 16/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walkabout RBK-Ratilling Lake Dam 01 Inspection/investigation 17/16/2006 diarge Dam Site Walka		Idea Bern Site Wilkshout RBK-Rattling Lake Dam 01 Inspection/investigation 17112005 OK

RBK: Steel Section

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
	İ	İ			As per Byron Hayler, there is a leaky expansion		
-				Į	Joint in the steel section of the penstock that		-
					needs to be tightened. Bill Guy recommends		
		1			that this is a P4 and would not be able to be		
38737	Tighten Leaky Expansion Joint On Penstock	RBK:Steel Section	03 Preventive Maintenance (M3)		started until the spring thaw.		No

RBK: Woodstave Section

	Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
						About a week work to repair leaks in	h&b construction was on site also	1
- !	36452	Repair Penstock Leaks	RBK:Woodstave Section	05 Repair	7/19/2005	penstock this will be done by contractor.	No cost of work available.	Yes

Inspection Reports and Assessments for Rattling Brook Plant 2002 to 2006

2003 Dam Safety Inspection Report

Rattling Brook Development

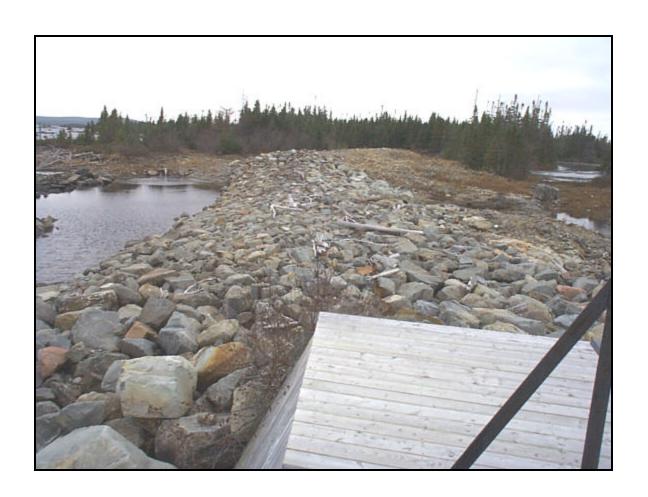


Structure: Frozen Ocean Lake Dam	Date/Time : _2003-11-20, 1200 pi				
Inspected by: G.Humby, T.Chislett, R.Vivian	Water Level :	595.5 ft			
Weather: Cloudy, 6°C	Releases :	Gate full open			
Upstream Face (Slide movements, Slope protection, Displacement, Debris, Unusual conditions) Good condition. Riprap is well graded. No signs of moveme		Cracks, Sinkholes, Settlement,			
Downstream Face (Slide movements, Signs of movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of Movements, Comparison of the Signs of the	Cracks, Seepage or wet	areas, Unusual conditions)			
Abutments (Seepage, Cracks/joints/bedding planes, Slides, St. Dam/spillway abutments in good condition.	igns of movement)				
Crest (Surface cracking, Settlement, Lateral movement, Cambe Good condition. No evidence of overtopping. No settlement	,				
Seepage and Drainage (Locations(s), Estimated flow(s), No evidence of seepage / wet areas.	Color (staining), Toe d	rain and relief wells)			
Outlet Works (Approach & Discharge channels, Structure/Ald Various problems have been observed with the outlet structure.	ure, including;				
1. A piece of the concrete gate sill has broken away and has	been washed downs	tream			
2.The gate is difficult to operate and sometimes binds	 				
3. There is a substantial amount of leakage through the cribb	ing during periods of I	high reservoir levels.			
Remarks The embankment section of the dam is in good condition. The outlet structure is deteriorated and in need of rehabilitation	on.				
The sales of asiars to asiarrated and in mood of remabilitation	····				



ROCKFILL OVERFLOW SPILLWAY

Structure : Frozen Ocean Lake S	pillway	Date/Time : 2003-11-20,				
Inspected by: G.Humby, T.Chislett, I	R.Vivian	Water Level : _595.5 ft				
Weather: Cloudy, 6°C		Releases:	Gate full open			
		_	<u> </u>			
Upstream Face (Slide movements, Displacement, Debris, Unusual conditions) Clear. Riprap is well graded. No vegetation		rosion–beaching,	Cracks, Sinkholes, Settlement,			
Downstream Face (Slide movements, S Riprap is generally well graded. No signs		ks, Seepage or wet	areas, Other)			
Abutments (Seepage, Cracks/joints/beda Good rockfill protection is observed at the						
Stilling Basin (Debris, Walls movement/N/A	settlement/joints/erosion)				
Outlet Channel (Slope protection, State condition/operation) Clear with no obstructions.	ability of side slopes, V	/egetation/obstruct	tions, Debris in water, Stoplogs			
Crest (Surface cracking, Settlement, Later Good. The steel cut-off wall is in fair cond	,	ood.				
Seepage and Drainage (Locations(s) None observed.	, Estimated flow(s), Colo	or (staining), Toe a	lrain and relief wells)			
Approach Channel (Slides above changood. No obstructions.	nel, Stability of side slop	es, Log boom, Deb	ris, Slope protection)			
Remarks Overall good condition						



Structure: Rattling Lake Dam	Date/Time: 2003-11-19, 3:30 pm
Inspected by : G.Humby, T.Chislett, R.Vivian	Water Level : 366.65 (FSL=377)
Weather: Overcast, 0°C	Releases : N/A
Upstream Face (Slide movements, Slope protection Displacement, Debris, Unusual conditions) Good condition. Riprap is well graded. No evidence of modulification Driftwood. Minor vegetation evident adjacent to the rockfill	ovement/slides/beaching. Minor amount of
Downstream Face (Slide movements, Signs of movements, Significant vegetation throughout. Slope is steep but stable	
Abutments (Seepage, Cracks/joints/bedding planes, Slides, Good transition from dam embankment sections to abutme	ents. No unusual conditions. South
abutment has been upgraded (raised) as a homogenous er	nbankment/road.
Crest (Surface cracking, Settlement, Lateral movement, Cam No unusual conditions. No vegetation. Good protection pr	ovided by upstream rockfill crestwall.
Seepage and Drainage (<i>Locations(s)</i> , <i>Estimated flow(s)</i> None observed.), Color (staining), Toe drain and relief wells)
Outlet Works (Approach & Discharge channels, Structure)	Abutments, Leakage, Operation of Gate/Lift)
Remarks Overall good condition, with exception of vegetation mainte	nance required on d/s slope.









CONCRETE SPILLWAY

Structure:	Rattling Lake Spillway	Date/Time: _2003-11-19, 4:00				
Inspected by:	G.Humby, T.Chislett, R.Vivian	Water Level :	366.65 (FSL=377)			
Weather:	Overcast	Releases :	none			
Control Structures (Crest, Orifices) Concrete crest is weathered with some spalling and exposed aggregate.						
Gates and Cor No gate.	ntrols (Type of Gate, General condition, Open	ration of gates at time o	of inspection)			
• •	nnel (<i>Debris</i> , <i>Slides over channel</i> , <i>Channel st</i> . No obstructions to flow. Side slopes are s		pe protection)			
• '	tion of Piers, Condition of decking and beams, are showing signs of deterioration. Steel be		lition.			
Stilling Bain (D	Debris in basin, Walls movement, Walls settleme ter. Minor debris.	ent)				
	(Slope Protection, Stability of Slopes, Vegetotable. No obstructions to flow. Minor amou		•			
Stoplogs are oper	Condition, Operation) rated on an annual basis. SL=375 prior to spring runoff, FSL=377 all ot	her times of year.)				
Stoplogs appear t	o be in fair condition. Stoplog support frame	es have been repaired	d as identified			
in previous dam s	afety reports.					
Remarks none						



Structure:	Amy's Lake Dam	Date/Time :	2003-11-19, 2:30 pm	
	G.Humby, T.Chislett		366.65 (FSL=377)	
Weather:	Sunny, 0°C	Releases :	Min fish flow	
Displacement, Del	ce (Slide movements, Slope prote pris, Unusual conditions) however no evidence of beaching/ero			
	face (Slide movements, Signs of movements) of vegetation. No evidence of mover		areas, Unusual conditions)	
,	epage, Cracks/joints/bedding planes, Slitions. Good rockfill transition from na		ment dam.	
` '	racking, Settlement, Lateral movement, itions. No vegetation. Good protection	•	am rockfill crestwall.	
Seepage and I	Drainage (Locations(s), Estimated flo	ow(s), Color (staining), Toe di	rain and relief wells)	
	Approach & Discharge channels, Struc should be removed from the u/s face of	~ -	eration of Gate/Lift)	
Remarks				









Fime :	2003-11-19, 2:00 pm	
evel:	: 366.65 (FSL=377)	
ases :	: Min fish flow	
	Cracks, Sinkholes, Settlement, the upstream slope. Slopes	
or we	t areas, Unusual conditions)	
nt)		
), Toe a	drain and relief wells)	
ıge, Op	peration of Gate/Lift)	
_		



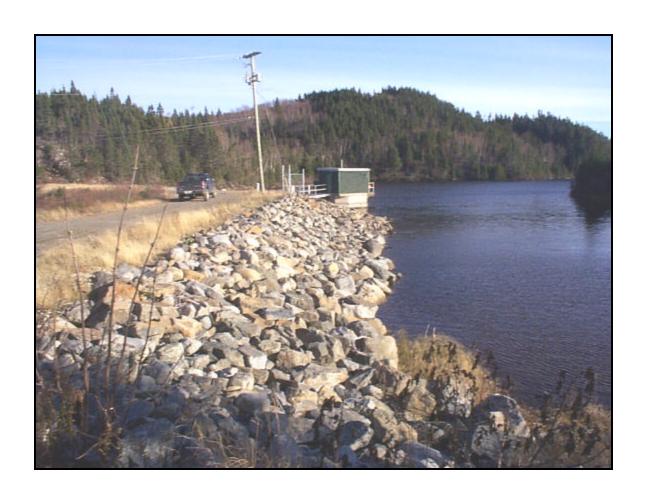
Structure:	Amy's Lake Freeboard Dyke No. 2	Date/Time:	2003-11-19, 3:00 pm	
	G.Humby, T.Chislett	Water Level :	366.65 (FSL=377)	
Weather:	Sunny, 0°C	_ Releases:	Min fish flow	
Displacement, Debi	ee (Slide movements, Slope protection, Entire of the conditions) des or other movement. Moderate amount of the conditions of the condition	_	Cracks, Sinkholes, Settlement,	
	ace (Slide movements, Signs of movements, Crace en cleared, but continues to be a maintenance			
Abutments (Seep	page, Cracks/joints/bedding planes, Slides, Signs	s of movement)		
	acking, Settlement, Lateral movement, Camber) ertopping. Minor amount of vegetation. Good	protection is provid	ded by the upstream rockfill	
crestwall.		-		
	Prainage (Locations(s), Estimated flow(s), Colonded water is evident at the downstream toe.			
the downstream sl		1 0		
Outlet Works (AN/A	Approach & Discharge channels, Structure/Abutn	nents, Leakage, Op	eration of Gate/Lift)	
Remarks				



Structure:	Amy's Lake Freeboard Dyke No. 3	Date/Time:	2003-11-19, 3:00 pm
	G.Humby, T.Chislett	Water Level :	366.65 (FSL=377)
Weather:	Sunny, 0°C	_ Releases:	Min fish flow
Displacement, Deb	Ce (Slide movements, Slope protection, Epris, Unusual conditions) protection is evident. No evidence of moveme		
	ace (Slide movements, Signs of movements, Crachave been cut within the past year or so, but o		•
Abutments (See No unusual condi	page, Cracks/joints/bedding planes, Slides, Sign. tions.	s of movement)	
	racking, Settlement, Lateral movement, Camber) rertopping. Minor amount of vegetation growth	is evident.	
Seepage and Described None observed.	Orainage (Locations(s), Estimated flow(s), Col	or (staining), Toe d	rain and relief wells)
Outlet Works (A	Approach & Discharge channels, Structure/Abuti	ments, Leakage, Op	eration of Gate/Lift)
Remarks			



Structure:	Rattling Brook Forebay Dam	Date/Time :	2003-11-19, 1:00 pm
Inspected by:	G.Humby, T.Chislett		1 ft below FSL
Weather:	Sunny, 2°C	Releases :	<u>-</u>
Displacement, Del Riprap is well gra	ce (Slide movements, Slope protection, bris, Unusual conditions) ded. No evidence of slides/beaching or other mount of driftwood is present near the north a	movement of materi	
	ace (Slide movements, Signs of movements, Crition (alder growth) is evident throughout. No		•
Abutments (See Good. No unusua	epage, Cracks/joints/bedding planes, Slides, Sig al conditions.	ns of movement)	
	racking, Settlement, Lateral movement, Camber itions. Minor/insignificant amount of grassy v		nce of overtopping.
	Drainage (Locations(s), Estimated flow(s), Coant amount of ponded water at the d/s toe, h		
Outlet Works (N/A.	Approach & Discharge channels, Structure/Abi	utments, Leakage, Op	eration of Gate/Lift)
Remarks Alder growth alon	g downstream face should be cleared.		





ROCKFILL OVERFLOW SPILLWAY

Structure : _	Rattling Brook Forebay Spillway	Date/Time :	2003-11-19, 1:30 pm
Inspected by:	G.Humby, T.Chislett	Water Level :	1 ft below FSL
Weather:		Releases :	: -
Displacement, Debr	e (<i>Slide movements, Slope prote</i> is, <i>Unusual conditions</i>) iftwood is evident Riprap is well gra		Cracks, Sinkholes, Settlement,
	ce (<i>Slide movements, Signs of movemondition.</i> No vegetation.	ents, Cracks, Seepage or wet	areas, Other)
, -	age, Cracks/joints/bedding planes, Slection has been upgraded since pre		
Stilling Basin (D	Debris, Walls movement/settlement/join	nts/erosion)	
Outlet Channe condition/operation Clear with no obstr		e slopes, Vegetation/obstruc	tions, Debris in water, Stoplogs
, ,	cking, Settlement, Lateral movement, wall is significantly deteriorated.	· ·	ood condition throughout
the crest. No vege	etation.		
Seepage and Do	rainage (Locations(s), Estimated flo	ow(s), Color (staining), Toe a	drain and relief wells)
Approach Chan Good. No obstruct	nel (Slides above channel, Stability o	rf side slopes, Log boom, Deb	pris, Slope protection)
Remarks			





2005 Dam Safety Inspection Report

Rattling Brook Development



Structure: Frozen Ocean Lake Dam	Date/Time :	2005-09-22, 10:00
Inspected by: T. Cormier, T. Chislett, T. Hanlon		596.5 (1 ft above LSL)
Weather: Overcast, 8°C	Releases :	
Upstream Face (Slide movements, Slope protection, Displacement, Debris, Unusual conditions) Good condition. Riprap is well graded, with no signs of movements.		
Downstream Face (Slide movements, Signs of movements, Minimal amount of alder growth – not a problem at this time		areas, Unusual conditions)
Abutments (Seepage, Cracks/joints/bedding planes, Slides, S. Good. No unusual conditions.	Signs of movement)	
Crest (Surface cracking, Settlement, Lateral movement, Camb Good condition. No evidence of overtopping.	ver)	
Seepage and Drainage (Locations(s), Estimated flow(s), None observed.	Color (staining), Toe d	rain and relief wells)
Outlet Works (Approach & Discharge channels, Structure/A Good condition. The concrete sill floor was recently refurbis		eration of Gate/Lift)
-		
Damada		
Remarks Overall in good condition.		
FSL = 602.0 ft		
. GE = 602.0 ft		





ROCKFILL OVERFLOW SPILLWAY

Structure:	Frozen Ocean Lake Spillway	Date/Time:	2005-09-22, 10:15 am
Inspected by :	T. Cormier, T. Chislett, T. Hanlon	Water Level :	596.5 ft (1' above LSL)
	Overcast, 8°C	Releases :	
Wodinor .	<u> </u>		
	Ce (Slide movements, Slope protection, bris, Unusual conditions) n accumulation of driftwood.	, Erosion–beaching,	Cracks, Sinkholes, Settlement,
	face (Slide movements, Signs of movements, by well graded. No signs of movement.	Cracks, Seepage or wet	areas, Other)
	epage, Cracks/joints/bedding planes, Slides, Section is observed at the spillway/dam inter		
Stilling Basin (N/A	(Debris, Walls movement/settlement/joints/ero	osion)	
Outlet Channe condition/operation Clear with no obs	,	es, Vegetation/obstruct	tions, Debris in water, Stoplogs
, ,	racking, Settlement, Lateral movement, Camb ulation of driftwood.	er)	
Seepage and I None observed.	Drainage (Locations(s), Estimated flow(s),	Color (staining), Toe d	lrain and relief wells)
Approach Cha Good. No obstru	nnel (Slides above channel, Stability of side actions.	slopes, Log boom, Deb	ris, Slope protection)
Remarks Overall good cond			
Driftwood should	be cleared from spillway crest.		





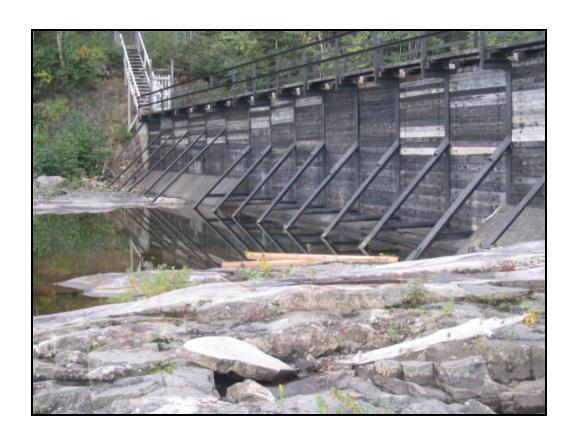
Structure: Rattling Lake Dam	Date/Time :	2005-09-23, 10:00 am
Inspected by: T.Cormier, T. Chislett, G. Murray	Water Level:	351.9 (FSL=377.7)
Weather: Overcast, 10°C	Releases :	N/A
Upstream Face (Slide movements, Slope protection, In Displacement, Debris, Unusual conditions) Significant amount of driftwood. Riprap is well graded. No indicate Small amount of vegetation growth.		
Downstream Face (Slide movements, Signs of movements, Croextreme amount of vegetation throughout the downstream face		
Abutments (Seepage, Cracks/joints/bedding planes, Slides, Sign Good transition from dam embankment sections to abutments.	• ,	tions.
Crest (Surface cracking, Settlement, Lateral movement, Camber) Good Condition. No evidence of overtopping. No damage observed		ar traffic.
Seepage and Drainage (<i>Locations(s)</i> , <i>Estimated flow(s)</i> , <i>Co</i> Downstream toe could not be inspected due to vegetation grow	-	rain and relief wells)
Outlet Works (Approach & Discharge channels, Structure/Abu N/A	tments, Leakage, Op	eration of Gate/Lift)
Remarks Downstream slope should be cleared and re-graded as part of (Note: Vegetation clearing is scheduled to be completed at this		
(1000) 10 gold and 10 do not detect to 50 completed at the	one later in r all/20	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,





CONCRETE SPILLWAY

Structure:	Rattling Lake Spillway	Date/Time :	2005-09-23, 10:30 am
	T. Cormier, T. Chislett, G. Murray		359.1 (FSL=377.7)
Weather:	Overcast, 10C	Releases :	none
	cures (Crest, Orifices) ontinues to show signs of deterioration due	e to weathering /aging.	Exposed aggregate
Gates and Cor N/A.	ntrols (Type of Gate, General condition, Op	peration of gates at time o	of inspection)
• •	nnel (Debris, Slides over channel, Channe ctions to flow. One small location of side		· ·
• ,	tion of Piers, Condition of decking and bear are showing continuing signs of deteriora	,	d at some locations.
•	Debris in basin, Walls movement, Walls settle nt of fractures in bedrock foundation along	*	ctural competence of brace
foundation is que	stionable. Undercutting is evident through	nout the concrete/bedroo	ck interface.
	(Slope Protection, Stability of Slopes, Vegvegetation – not a problem at this time.	etation and other obstru	ctions)
•	Condition, Operation) oards are in place up to 377.7 ft.		
Abutments (Co	ndition, Seepage around dam – location/a itions.	amount)	
Remarks			









Structure:	Amy's Lake Dam	Date/Time:	2005-09-21 & 23
	T.Cormier, T.Chislett, G.Murray, B.Guy	Water Level :	351.9 (FSL=377.7)
Weather:	Rain, 10C	Releases :	
		-	
Unetroam Fa	Ce (Slide movements, Slope protection, E	rosion bogobina	Cracks Sinkholes Settlement
-	oris, Unusual conditions)	rosion–beaching,	Cracks, Sinkholes, Selliement,
-	hroughout most sections of the upstream face	. Riprap refurbishr	ment is required and should
	part of the upcoming capital works. Some sli		
observed. It is rec	ommended that the intake be raised by either	extending the con-	crete wingwall or placing
boulders along the	e channels edge to prevent sliding.		
Downstream F	ace (Slide movements, Signs of movements, Cra	cks Sagnaga or wat	areas Unusual conditions
	of vegetation growth (difficult to complete a de		
	out as part of the capital improvements.		ito glading or the dispe
	page, Cracks/joints/bedding planes, Slides, Sign	s of movement)	
No unusual condi	tions.		
Crest (Surface or	cacking, Settlement, Lateral movement, Camber)		
OK.	acking, Settlement, Easer at movement, Camber j		
	Orainage (Locations(s), Estimated flow(s), Col	or (staining), Toe d	rain and relief wells)
No seepage obse	rved due to low reservoir levels.		
Outlet Works (Approach & Discharge channels, Structure/Abut.	ments, Leakage, Ope	eration of Gate/Lift)
•	ockfill should be dredged from the discharge of		0 ,
tailrace.			
Concrete erosion/	weathering is evident at the discharge retainin	g wall - concrete o	verlay
should be conside		<u> </u>	
An internal inspec	ction of the outlet tunnel was carried out. Norm	al signs of aging c	oncrete was observed
· · · · · · · · · · · · · · · · · · ·	gregate). Leakage around the sides/top of the		
Damaulsa			
Remarks	tion of the d/s dam clane was not possible due	to ovtrome amour	at of vocatation growth
	tion of the d/s dam slope was not possible due		
(Note: vegetation	clearing is scheduled to be completed at this	Site later III Fall/20	100)









Structure:	Amy's Lake Freeboard Dyke No. 1	Date/Time :	2005-09-21, 2:30 pm
_	T.Cormier, T.Chislett		351.9 (FSL=377.7)
Weather:	Rain, 10°C	Releases :	
Displacement, Deb	e (Slide movements, Slope protection, It is, Unusual conditions) rowth. Should be cleared to facilitate inspect of dyke.	-	
Downstream Fa	ACE (Slide movements, Signs of movements, Crowth.		areas, Unusual conditions)
Abutments (Seep No unusual condit	page, Cracks/joints/bedding planes, Slides, Signions.	ns of movement)	
	acking, Settlement, Lateral movement, Camber) rowth. No evidence of overtopping.		
	Prainage (Locations(s), Estimated flow(s), Coved due to low reservoir levels.	olor (staining), Toe d	rain and relief wells)
Outlet Works (A	Approach & Discharge channels, Structure/Abu	tments, Leakage, Opo	eration of Gate/Lift)
Remarks Vegetation should	be cleared.		
	clearing is scheduled to be completed at this	s site later in Fall/20	005)





Structure:	Amy's Lake Freeboard Dyke No. 2	Date/Time:	2005-09-21, 3:00 pm
•	T.Cormier, T.Chislett		351.9 (FSL=377.7)
Weather:	Rain , 10°C	Releases :	
	CE (Slide movements, Slope protection, bris, Unusual conditions)	Erosion–beaching,	Cracks, Sinkholes, Settlement,
Downstream F	ace (Slide movements, Signs of movements, Cra	acks, Seepage or wet	areas, Unusual conditions)
Abutments (See	page, Cracks/joints/bedding planes, Slides, Sig	ns of movement)	
Crest (Surface cr	racking, Settlement, Lateral movement, Camber)		
Seepage and I	Drainage (Locations(s), Estimated flow(s), Co	olor (staining), Toe di	rain and relief wells)
-			
Outlet Works (Approach & Discharge channels, Structure/Abu	tments, Leakage, Ope	eration of Gate/Lift)
Remarks			
	at of alder growth prevents a thorough inspecti		
(Note: Vegetation	clearing is scheduled to be completed at this	s site later in Fall/20	105)

Date/Time: 2003-11-21, 3:00 pm
Water Level: 366.65 (FSL=377)
Releases : Min fish flow
rosion-beaching, Cracks, Sinkholes, Settlement, nount of driftwood accumulation.
cks, Seepage or wet areas, Unusual conditions)
of movement)
or (staining), Toe drain and relief wells)
nents, Leakage, Operation of Gate/Lift)
face, crest, and downstream face.
site later in Fall/2005)





Structure: Rattling Brook Forebay Dam	Date/Time: 2005-09-21, 1:30 pm		
Inspected by : T. Cormier, T.Chislett	Water Level: 334.4		
Weather: Rain, 10°C	Releases: 4 MW x 2 units		
Upstream Face (Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions) Riprap is in good condition - well graded. No signs of movement. Minor vegetation present. Small amount of driftwood.			
Downstream Face (Slide movements, Signs of movements Extreme amount of vegetation is evident throughout. Should	,		
Abutments (Seepage, Cracks/joints/bedding planes, Slides, Good. No unusual conditions.	Signs of movement)		
Crest (Surface cracking, Settlement, Lateral movement, Cam No unusual conditions. No evidence of overtopping.	iber)		
Seepage and Drainage (Locations(s), Estimated flow(s) Minimum amount of seepage at the d/s toe running in the			
Outlet Works (Approach & Discharge channels, Structure, Not inspected at this time.	Abutments, Leakage, Operation of Gate/Lift)		
Remarks Alder growth along downstream face should be cleared.			
(Note: Vegetation clearing is scheduled to be completed a	t this site later in Fall/2005)		









ROCKFILL OVERFLOW SPILLWAY

Structure: Rattling Brook Forebay Spillway	Date/Time: 2005-09-21, 1:45 pm
Inspected by : T.Cormier, T.Chislett	Water Level: 334.4 ft
Weather: Rain, 10C	Releases : -
Upstream Face (Slide movements, Slope protection, Displacement, Debris, Unusual conditions) Good. No vegetation.	Erosion–beaching, Cracks, Sinkholes, Settlement,
Downstream Face (<i>Slide movements, Signs of movements, Cood.</i> Riprap is stable with very few signs of movement. No	
Abutments (Seepage, Cracks/joints/bedding planes, Slides, S Minor amount of low lying vegetation. Good riprap protection	
Stilling Basin (Debris, Walls movement/settlement/joints/ero. N/A	sion)
Outlet Channel (Slope protection, Stability of side slope condition/operation) Clear with no obstructions.	es, Vegetation/obstructions, Debris in water, Stoplogs
Crest (Surface cracking, Settlement, Lateral movement, Cambe Wooden cut-off wall continues to show signs of advanced de	·
as part of the upcoming capital refurbishment program.	
Seepage and Drainage (<i>Locations(s)</i> , <i>Estimated flow(s)</i> , None observed.	Color (staining), Toe drain and relief wells)
Approach Channel (<i>Slides above channel, Stability of side a</i> Good. No obstructions to flow.	slopes, Log boom, Debris, Slope protection)
Remarks	





PENSTOCK

Structure : RBK Penstock	Date/Time :	2005-09-22, 3:00 pm
Inspected by : T. Cormier, T. Chislett	Water Level :	
Weather: Overcast, 8C	Releases :	
Right of Way (Vegetation, Drainage ditches, Culverts) Vegetation has recently been cleared. Drainage ditches	es flowing with minimal obst	ruction.
Condition of Penstock Bed (Alignment, Settlement, Vertical misalignment is evident in some locations as p	•	
Condition of Pipe (Type, Cracks, Stresses, Leaks, Bard Steel bands are in fair to good condition at upper section sections.		n is evident at lower
Feathered staves are predominant throughout the lowe	er sections of the penstock.	
Breakdown of longitudinal wood fibres is evident (staves		·).
There is a significant amount of leakage along the lower		
Deterioration of butt joints throughout length of penstoo	k is evident.	
Many previously repaired sections (i.e. plates/patches)	appear to be failing.	
Penstock Supports (Saddles, Piers, etc.) Saddles are in fair condition. Anchor Blocks (Condition of concrete, Settlement, Str.)	,	
Anchor Blocks are in fair condition with some weathering	ng/spalling of concrete.	
Expansion Joints (<i>Leaks</i> , <i>Stress cracks</i>) Significant leak in expansion joint in steel section just	upstream of the surge tank.	
Penstock Cover (Condition of backfill, Slope stabilit	у)	
Remarks		

















Frozen Ocean Lake Dam	Date: 02 - 16 - 23
Water Level:	598.00
Weather:	Showers clauly
Upstream slope:	6-00+
Crest:	Geod
Vegetation:	Gas
Downstream Slope:	Good
Ponded Water:	<u>Good</u>
Gate Structure (include picture):	600 8
Gate Opening:	1. inch
Gate Operation:	Cocd
Spillway Abutments:	Goed
Spillway Riprap Upstream (include picture):	Geed
Spillway Riprap Downstream (include picture):	@ wed
Spillway Debris	Geed
Downstream Channel:	Good
Comments:	
Rattling Dam and Spillway	<u>Date</u> : 0 2 / 1 6 / 2 え
Water Level:	353.30
Weather:	C10 09A
Upstream Slope (include picture):	6000
Crest:	(500)
Downstream Slope:	G069
Vegetation:	Small amount
Ponded Water:	TWO AYRAS
Debris:	in spirluay channel
Spillway Concrete:	undermined in one area
Flashboards:	6009
Flashboard and Walkway Supports:	Good
Walkway:	one axea boits missing plan
Security Fence:	one broken wind
Spillway Channel:	HEAVY VBACTATION
Comments: Cut off wall used to	divert water INLC Brook. W.A.
Removed by contractor for use	as riptap on RALLLING JAM
Now when spilling at RAZZLing	water Runs through the
WOODS ALEONS LAYER I HER I LICE A	180 CAUS DE INDADE La hortup
at the toe of RALL Ling Jam	TOO DATE OF BUDGE OF

Rattling/Amy's and Freeboard Dams	Date: 02-10-21
Water Level: Weather: Upstream Slopes (include picture): Crest: Downstream Slope: Vegetation: Debris: Gate Opening: Gate Openation: Gatehouse: Outlet Channel: Comments: Some blockage In outled c	353.55 CLOUNY LARGE AMOUNT OF VEGETATION GOOD LARGE AMOUNT OF VEGETATION LARGE AMOUNT LARGE AMOUNT LARGE AMOUNT 45% GOOD GOOD CONCRETE NEEDS REPLIES HANNEL.
Forebay Dam & Spillway	Date:02/10/22 334.50
Water Level: Weather: Upstream Slope: Downstream Slope: Crest: Vegetation: Ponded Water: Gate Operation: Gatehouse: Spillway Crest: Debris: Spillway Channel: Comments:	CIOUDY GOOD GOOD GOOD GOOD SMOLL OMOUNT ON E AREA GOOD GOOD GOOD LAVSE AMOUNT OF VESETAT
Penstock Weather: Alignment: Drainage Ditches: Culverts: Bed (erosion): Woodstaves (include picture): Cradles: Bands:	Date: c3-10-25 CLeudy bad to several areas needs ditching Good bad to woshout a era bad to Alet of areas Several broken Rusting in several areas

Anchor Blocks (Include picture). Steel Penstock: Concrete Saddles: Steel Expansion Joints: Comments: A let of bad wood Stav a let of Mades Installed Let	Good Good Leaking Small Amount ES IN PLASTICK NECAS LOT LEAKES UNEBLE SO PLUG
Surge Tank	<u>Date</u> : 0 2 − 10 −2 2
Weather: Foundations: Anchor Bolts: Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: Comments:	CLOUDY GOOD GOOD GOOD GOOD GOOD GOOD AS. Per INS PectiON AS. Per ENSPectiON Some Rusting on Lower walk wa AS. Per Enspection Good



Frozen Ocean Lake Dam	<u>Date:</u> ヮシ/ ι シ / ヮ ら
Water Level:	596.80
Weather:	Clear
Upstream slope:	Snow covered
Crest:	Snow covered
Vegetation:	none
Downstream Slope:	Snow Covered
Ponded Water:	none observed
Gate Structure (include picture):	G-00d
Gate Opening:	Good
Gate Operation:	Some sticking
Spillway Abutments:	Snow covered
Spillway Riprap Upstream (include picture):	Snow covered
Spillway Riprap Downstream (include picture):	Show covered
Spillway Debris	none observed
Downstream Channel:	6000
Comments: Leakage thru gate	
Rattling Dam and Spillway	<u>Date</u> :o え / し る / る o
Water Level:	369.25
Weather:	Sunny
Upstream Slope (include picture):	Snow covered
Crest:	Snowcovered
Downstream Slope:	Snow covered
Vegetation:	Some
Ponded Water:	TWO Areas
Debris:	in spillway channel
Spillway Concrete:	undermined in one area
Flashboards:	6000
Flashboard and Walkway Supports:	Cood
Walkway:	Dre area bolts missing
Security Fence:	DNE PLOKEN MING
Spillway Channel:	HEOVY VEGETATION
Comments: Cutoff wall that was in pla	ce to quide water to the
Channel while spilling was remove	ed by a contractor water now
Channel while spilling was removed backs up tothe TOE of the Dam a flow	u thru the trees before running
back into the channel.	

Rattling/Amy's and Freeboard Dams	<u>Date</u> : 8多/1多/30
Water Level:	369,25
Weather:	SURRY
Upstream Slopes (include picture):	Snow Covered
Crest:	Snow covered
Downstream Slope:	Snow covered
Vegetation:	Non 8
Debris:	Large amount
Gate Opening:	87%
Gate Operation:	6009
Gatehouse:	Cood
Outlet Channel:	Concrete deterorated
Comments: <u>Some blockage in outlet</u>	Channel at Amy's
Forebay Dam & Spillway	<u>Date</u> :0多ハシノラo
Water Level:	334.45
Weather:	SUNDY
Upstream Slope:	Snow covered
Downstream Slope:	Snow covered
Crest:	Snow consued
Vegetation:	5mall amount
Ponded Water:	DNE area
Gate Operation:	0-00 à
Gatehouse:	bood
Spillway Crest:	Snow covered
Debris:	NOUR
Spillway Channel:	Crops
Comments:	

Penstock

Weather:

Alignment:

Drainage Ditches:

Culverts:

Bed (erosion):

Woodstaves (include picture):

Cradles:

Bands:

Date:03/01/06

Cloudy Periods
Settlement in Several areas
Blocked in Several areas
Good
Snow Covered
Snow Covered
Several broken
Rusting

Anchor Blocks (include picture): Steel Penstock: Steel Saddles: Expansion Joints: Comments:	Good Austing Near anchor Hoch Good Leaking Small amount
Surge Tank	<u>Date</u> : 03/01/06
Weather: Foundations: Anchor Bolts: Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover:	Cloudy Periods Good Good Good Good Good Weather beaten As Per inspection As Per inspection Rusting on Lower Wolkway As Per inspection



1102ch Ocean Lake Dam	<u>Date:</u> 03 /04 / 2 1
Water Level:	60100
Weather:	601.26
Upstream slope:	cloudy
Crest:	5009
Vegetation:	Good
Downstream Slope:	None
Ponded Water:	<u>G009</u>
Gate Structure (include picture):	None observed
Gate Opening:	6009
Gate Operation:	closed
Spillway Abutments:	-OK
Spillway Riprap Upstream (include picture):	70
Spillway Riprap Downstroom (include picture):	7/0
Spillway Riprap Downstream (include picture): Spillway Debris	70
Downstream Channel:	None
Commenter C	Good
Comments: Some leakage thru gate Stru Small amount of leakage to several	cture (See picture)
Small amount of leakage in several	areas of cutaff wall.
	(See Picture)
Rattling Dam and Spillway	Date: 03/04/24
Water Lavel	-
Water Level:	359.50
Weather:	Funnz
Upstream Slope (include picture):	6009
Crest:	6009
Downstream Slope:	Good
Vegetation:	SOME
Ponded Water:	2 Areas
Debris:	None
Spillway Concrete:	Snow covered
Flashboards:	Good
Flashboard and Walkway Supports:	God
Walkway:	
Security Fence:	one bolt missing
Spillway Channel:	Cood Cood
Comments: Cutoff wall to divert water	the trade of the
TO TOUR AND LOUISING THE SECOND	
out through the trees And back along -	USES WATER TO FLOW
Unite spining at Rattling.	the toe of the bam
1 Zar Macellyd,	

Rattling/Amy's and Freeboard Dams	Date: 03/04/21
Water Level: Weather: Upstream Slopes (include picture): Crest: Downstream Slope: Vegetation: Debris: Gate Opening: Gate Operation: Gatehouse: Outlet Channel: Comments: Some blockage in outlet Deterioration in concrete culvert	359.70 Cloudy Food Food None Large Amount 5970 OK Some blockage Chancel at amy S (see pictor) (See picture)
Forebay Dam & Spillway	<u>Date</u> : o3 /o4 / シ)
Water Level: Weather: Upstream Slope: Downstream Slope: Crest: Vegetation: Ponded Water: Gate Operation: Gatehouse: Spillway Crest: Debris: Spillway Channel: Comments: Plank missing from fore	34.90
<u>Penstock</u>	Date: 03/04/23
Weather: Alignment: Drainage Ditches: Culverts: Bed (erosion): Woodstaves (include picture):	Cloudy / Showers Settlement in Several areas. Blacked in Several areas. DK Snow/ICE Covered Rab in Several areas

10/26/99

Cradles: Bands:

Anchor Blocks (include picture): Steel Penstock: Stee \ Saddles: Expansion Joints:	OK OK OK SMall leak / Rusting around
Comments: Settlement has increas	ed in ayea nf
washout (See pictures)	
Surge Tank	Date: 03/04/23
Weather:	Cloudy/Showers
Foundations: Anchor Bolts:	ok
•	o k
Legs: Bracing:	OK
Ladder:	Several beat lone broker
Outer casing (include picture):	<u>0</u> K
Tank:	Weather bester
Inner Riser:	AS per unspection
Walkway:	AS perinspection
Baffles:	Rusting on lower cotwork
Cover:	AS per inspection AS per inspection
Comments: The service shed at the box	tow of the tour has
received extensive domage from to	Vina ICE . The service
wire was also severed from the she	& R was disconnected by
line personal, (See Disture)	- 0 11200 1130011111101 110 110



Frozen Ocean Lake Dam	Date: 03-06-10
Water Level:	602.
Weather:	CLOUSY
Upstream slope:	7009
Crest:	9000
Vegetation:	
Downstream Slope:	9000
Ponded Water:	one aera
Gate Structure (include picture):	900d
Gate Opening:	1. IN For FISH
Gate Operation:	900d
Spillway Abutments:	
Spillway Riprap Upstream (include picture):	900 d
Spillway Riprap Downstream (include picture):	9000
Spillway Debris	NONE observed
Downstream Channel:	900d
Comments: Learing on both SIJES	
· · · · · · · · · · · · · · · · · · ·	
Clairliche Koome tohalle Make & G	94 16 1 > NAGJ ZA CCEUNE MEMITI
Structure Seems to have moved of have to hand CRANK UNAble to CPON	TALE VS NAVA 60 CVANKOVENO
MAVE to hAND CRANK UNAble AD OPON	WIEL GAS LITTLE ELIS Problemen
Rattling Dam and Spillway	WIEH- GAS JrILL Ehis Problemon Date: 03-06-05
MAVE to hAND CRANK UNAble AD OPON	WIEL GAS LICLL Ehis Problemon
Rattling Dam and Spillway	WIEH. GAS STILL Ehis Problemon Date: 03-06-05
Rattling Dam and Spillway Water Level:	WIEH- GAS STILL Ehis Problemon Date: 03-06-05 371.90 CLOUJY
Rattling Dam and Spillway Water Level: Weather:	WIEH- GAS STILL Ehis Problemon Date: 03-06-05 371.90 Cloudy good
Water Level: Weather: Upstream Slope (include picture):	WIEH- GAS JrILL Ehis Problemon Date: 03-06-05 371.90 CLOUJY good good
Water Level: Weather: Upstream Slope (include picture): Crest:	WIEN- GAS JrILL ENIS Problemon Date: 03-06-05 371.90 CLOUJY Good Good
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope:	WIEH- GAS STILL Ehis Problemon Date: 03-06-05 371.90 CLOUJY Good Good None
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation:	WIEN- GAS JrILL ENIS Problemon Date: 03-06-05 371.90 CLOUJY Good Good None 2 Areas
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris:	WIEH- GAS STILL Ehis Problemon Date: 03-06-05 371.90 CLOUJY Good Good None 2 Areas None
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water:	WIEN- GAS JrILL ENIS Problemon Date: 03-06-05 371.90 CLOUJY Good Good None 2 Areas None 9000
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete:	WILL SAS JrILL ELIS Problemon Date: 03-06-05 371.90 CLOUJY 900J 900J NONE 2 Areas NONE 900J 900J
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards:	WIEN- GAS JrILL ENIS Problemon Date: 03-06-05 371.90 CLOUJY Good Good None 2 Areas None Good Good Good
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports:	WIEN- GAS JrILL ENIS Problemon Date: 03-06-05 371.90 CLOUJY Good Good None 2 Areas None Good Good Good
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel:	WIEN- GAS JrILL ENIS Problemon Date: 03-06-05 371.90 CLOUDY Good NONE 2 Areas NONE Good Noed Some Relairs Wing woll broken of Spill w 9000 9000 Of Spill w
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Comments: Cut off wall on Spill w	WITCH GAS JrILL Ehis Problemon Date: 03-06-05 37/90 CLOUJY Good NONE 2 Areas NONE 9000 Good Need Some Relairs Wing woll broken off on both Sld Good AY Channel WIAS Removed
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence:	WITCH GAS JrILL Ehis Problemon Date: 03-06-05 37/90 CLOUJY Good NONE 2 Areas NONE 9000 9000 Need Some Relairs Wing woll broken off on both Sid 9000 AY Channel WILL From Need

Rattling/Amy's and Freeboard Dams	Date:03-06-05
Water Level:	374.90
Weather:	C40024
Upstream Slopes (include picture):	9000
Crest:	9000
Downstream Slope:	900 9
Vegetation:	NONE
Debris:	LArge Amounton Amy, S d AM
Gate Opening:	718
Gate Operation:	9000
Gatehouse:	9000
Outlet Channel:	Someblockage
Comments: Concrete needs refair	RS ON OUTLET CHANNEL
· · · · · · · · · · · · · · · · · · ·	
Forebay Dam & Spillway	Date:03-06-05
Water Level:	334.65
Weather:	Choudy
Upstream Slope:	9000
Downstream Slope:	good
Crest:	9000
Vegetation:	9000
Ponded Water:	one area
Gate Operation:	9000
Gatehouse:	g_{0} od
Spillway Crest:	9000
Debris:	NONG
Spillway Channel:	<u>9000</u>
Comments:	
<u>Penstock</u>	Date: 0 3 - 0 6 - 25
Weather:	SUNNY
Alignment:	201010
Drainage Ditches:	Neels dieching

Good

Culverts:

Cradles: Bands:

Bed (erosion):

Woodstaves (include picture):

NeedS Repairs

NeedS A Lot of Rates installe

Several broken

Lot of Rusting Near over

Liberting needs to be Jone Penstock ne	ING BMALL AMOUNT SINSKALLED LOE OF VEEDS ALOT OF PLUGGING
Surge Tank Date:	03-06-25
Ladder: Outer casing (include picture): Good Good Good Good Good Good Good Goo	S S S S S S S S S S S S S



<u>Frozen Ocean Lake Dam</u>	Date: 03/66/61
Water Level:	595.50
Weather:	Cloudy
Upstream slope:	6006
Crest:	(2007)
Vegetation:	Small amount
Downstream Slope:	6009
Ponded Water:	None observed
Gate Structure (include picture):	with higher elevation/leaking on s
Gate Opening:	4 47.
Gate Operation:	Gate Linding
Spillway Abutments:	Good
Spillway Riprap Upstream (include picture):	6-000
Spillway Riprap Downstream (include picture):	Cood
Spillway Debris	Small Amount
Downstream Channel:	Some blockage
Comments: Concrete for the sill und	ler the ante is traken awa
and washed downstream plus sin is	
	٧ ,
Rattling Dam and Spillway	<u>Date</u> :03/08/0ら
Water Level:	353.20
Weather:	Sunny
Upstream Slope (include picture):	<u>C-009</u>
Crest:	Good
Downstream Slope:	Good
Vegetation:	Fair Amount
Ponded Water:	TWO Areas
Debris:	Small Amount
Spillway Concrete:	<u>ok</u>
Flashboards:	-0K
Flashboard and Walkway Supports:	70
Walkway:	Railing is rusting
Security Fence:	wings broken on both sides
Spillway Channel:	(-009)
Comments: Cutoff wall to Livert water in	
by contractor; consing water to flow this	and mostream of early aft down
back along the toe of the bam while:	spilling at Rottling Spillway
<u> </u>	• • • • • • • • • • • • • • • • • • • •

Rattling/Amy's and Freeboard Dams	<u>Date</u> : 03/08/06
Water Level:	353.20
Weather:	Sunny
Upstream Slopes (include picture):	<u> </u>
Crest:	6000
Downstream Slope:	Good
Vegetation:	Fair Amount
Debris:	Large Amount At AMy'S
Gate Opening:	40%
Gate Operation:	0 1
Gatehouse:	OK
Outlet Channel:	Some Blockage
Comments: Deterioration in concrete of	where at my 5
Forebay Dam & Spillway	Date: 03/08/05
Water Level:	334.40
Weather:	SURRY
Upstream Slope:	Good
Downstream Slope:	<u>C-000</u>
Crest:	<u>ba67</u>
Vegetation:	Large Omount
Ponded Water:	one area
Gate Operation:	OK 1
Gatehouse:	Good
Spillway Crest:	Broken blonk
Debris:	
Spillway Channel:	(1000
Comments: Plank wissing from For	GROY SPILLMON.

<u>Penstock</u>	Date: 03/07/30
Weather:	Sunny
Alignment:	Fair amount of Settlement
Drainage Ditches:	Blacked in most areas
Culverts:	Some blockage
Bed (erosion):	Several areas
Woodstaves (include picture):	Poor condition in Several aveas.
Cradles:	Broken in Several Oreas

Bands:

Anchor Blocks (include picture): Steel Penstock: Concrete Saddles: Expansion Joints: Comments: Air of servicement in washed to be a serviced for the service of the serviced for the serviced	OK OK DK Leaking Small amount of Over; Penstock
Surge Tank	Date: 03/07/30
Weather: Foundations: Anchor Bolts: Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: Comments: Beam between less of tank	

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Frozen Ocean Lake Dam	Date: 03-10-29
Water Level:	597.60
Weather:	C/0024
Upstream slope:	3001
Crest:	9000
Vegetation:	9000
Downstream Slope:	9000
Ponded Water:	ONE AREA
Gate Structure (include picture):	9004
Gate Opening:	9000
Gate Operation:	9000
Spillway Abutments:	විටෙත්
Spillway Riprap Upstream (include picture):	g o o o
Spillway Riprap Downstream (include picture):	9000
Spillway Debris	9000
Downstream Channel:	9000
Comments: Concrete for the Sill	under the gate is
broken AWAY AND WAShed JOWN S. Also missing	Lream bottom SILL 13
Rattling Dam and Spillway	
naturing barr and Spinway	<u>Date:03-10-30</u>
	Date:03_10-30
Water Level:	367.70
Water Level: Weather:	367.70 CLOUNY
Water Level: Weather: Upstream Slope (include picture):	367.70 CLOUSY Good
Water Level: Weather: Upstream Slope (include picture): Crest:	367.70 C/oudy Good Good
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope:	367.70 CLoudy Good Good
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation:	367.70 Cloudy Good Good Good
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water:	367.70 Cloudy Good Good Good Good Good Huo Areas
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris:	367.70 CLOUDY Good Good Good Good Good Good Good Goo
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete:	367.70 CLOUDY Good Good Good Good EWO AREAS SMALL AMOUNT
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards:	367.70 Cloudy Good Good Good Good EMO AREAS SMALL AMOUNT Good
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports:	367.70 CLOUDY Good Good Good Good EMALL AMOUNT GOOD GOOD
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway:	367.70 CLOUDY GOOD GOOD GOOD GOOD SMALL AMOUNT GOOD GOOD GOOD GOOD GOOD GOOD GOOD GOO
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence:	367.70 CLOUDY GOOD GOOD GOOD GOOD GOOD SMALL AMOUNT GOOD GOOD GOOD GOOD GOOD GOOD GOOD GOO
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel:	367.70 CLOUDY GOOD GOOD GOOD GOOD GOOD SMALL AMOUNT GOOD GOOD GOOD GOOD GOOD GOOD GOOD GOO
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence:	367.70 CLOUDY GOOD GOOD GOOD GOOD GOOD SMALL AMOUNT GOOD GOOD GOOD GOOD GOOD WINGS Broken bo 2h SIDES GOOD WALER INDO the brook WAS
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Comments: Cut off wall to divert	367.70 CLOUDY GOOD GOOD GOOD GOOD GOOD SMALL AMOUNT GOOD GOOD GOOD GOOD GOOD WINGS Broken bo 2h SIDES GOOD WALER INDO the brook WAS

Rattling/Amy's and Freeboard Dams	<u>Date</u> : 03 - 10 - 3 0
Water Level: Weather:	367.70 Cloudy
Upstream Slopes (include picture):	good
Crest:	9000
Downstream Slope:	9000
Vegetation:	fair a mount
Debris:	LARGE AMOUNT
Gate Opening:	48%
Gate Operation:	<u> 9000 d</u>
Gatehouse:	9000
Outlet Channel:	Someblockage
Comments: Concrete needs	REVAIRS At Ang, Soutlet
Manager and the second	

Forebay Dam & Spillway	Date 03-10-29
Water Level:	334.30
Weather:	<u>Cloudy</u>
Upstream Slope:	Good
Downstream Slope:	Good
Crest:	Good
Vegetation:	LAIGE AMOUNT
Ponded Water:	one alea
Gate Operation:	6001
Gatehouse:	6005
Spillway Crest:	Good
Debris:	SMALL AMOUNE
Spillway Channel:	9000
Comments: PLANK MISSING FROM	Forehay SPILZWAY
·	-

Callbridge.	2
Spillway Crest:	Good
Debris:	SMALL AMOUND
Spillway Channel:	9.00
Comments: PLANK MISSING FROM	1 forehAy SPILZWAY
·	
	r in the second
Penstock	Datam? /a 3 /D
Pelistock	Date:03-10-3 0
Weather:	C/0019
Alignment:	FAIR AMOUNT OF SELLIEM ENT
Drainage Ditches:	Needs disching
Culverts:	Bome blockage
Bed (erosion):	BOT CONSILION IN SQUENAL ANEAS
Woodstaves (include picture):	PALE INSTALLED
Cradles:	9000
Bands:	Rusting on threads
Danido.	1036.10 10.0 2.11 2400
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Anchor Blocks (include picture): Steel Penstock: Concrete Saddles: Expansion Joints: Comments: New Seal INSLAII e.	ot ot ot In expansion Joint
Surge Tank	Date:03-10-29
<u>Surge failk</u>	Date.02-70 48 1
Weather:	0/0034
Foundations:	9000
Anchor Bolts:	96 ad
Legs:	9000
Bracing:	bent one Area
Ladder:	යිවලේ
Outer casing (include picture):	<u> 900 </u>
Tank:	AS PEX INSPELLION
Inner Riser:	ASPER INSPELLION
Walkway:	Rusting
Baffles:	AS. Per INSPECTION
Cover:	ot
Comments:	



<u>Frozen Ocean Lake Dam</u>	Date: 03-/3-03
Water Level:	597.00
Weather:	CLOUJY
Upstream slope:	Good
Crest:	G00 d
Vegetation:	<u>G000</u>
Downstream Slope:	<u> </u>
Ponded Water:	ONE area
Gate Structure (include picture):	6000
Gate Opening:	48.10ch
Gate Operation:	GAGE HArd to OPERATE
Spillway Abutments:	Ğ 600
Spillway Riprap Upstream (include picture):	Good
Spillway Riprap Downstream (include picture):	Good
Spillway Debris	Note
Downstream Channel:	Good
Comments: GALLE LAS become hard to	operate
SEEMS GALE STILLTURE IS MOVED. GALE IS BLOKEN OFF AND WASHED DOWN	Concrete For bollom SILL FOR
GALE IS BLOKEN OFF AND WASHED JOWN	3t-eam
Rattling Dam and Spillway	Date: 03-12-02
Water Level:	370.75
Weather:	Cloudy
Upstream Slope (include picture):	6009
Crest:	
Downstream Slope:	G-ocal
Vegetation:	OK .
Ponded Water:	two areas
Debris:	Smallamount
Spillway Concrete:	0 K
Flashboards:	· / / / / / / / / / / / / / / / / / / /
Flashboard and Walkway Supports:	No
Walkway:	Two planks need to be refinstale
Security Fence:	Wings broken on both sides
Spillway Channel:	OK
Comments: wing wall replaced by	. bur
Railing on waterway Noeds Paint	

Rattling/Amy's and Freeboard Dams	<u>Date</u> : 03- 12-02
Water Level:	370.75
Weather:	cloudy
Upstream Slopes (include picture):	Good
Crest:	هممک
Downstream Slope:	Good
Vegetation:	Fait amount
Debris:	Large amount (AMy'S)
Gate Opening:	90%
Gate Operation:	6002
Gatehouse:	4007
Outlet Channel:	Fair amount blockage (Amy's
Comments:	20.10
Forebay Dam & Spillway	<u>Date</u> : ◦3 – ≀2 – ◦2
Water Level:	334,60
Weather:	Cloudy
Upstream Slope:	5002
Downstream Slope:	6003
Crest:	6009
Vegetation:	Small amount
Ponded Water:	onearea
Gate Operation:	_0/<
Gatehouse:	Good
Spillway Crest:	6002
Debris:	2000
Spillway Channel:	5009
Comments:	
Penstock	Date: 63-12 - 0 み
	<u> </u>

Weather:

Alignment:

Drainage Ditches:

Culverts:

Bed (erosion):

Woodstaves (include picture):

Cradles:

Bate. 655. 48 56

Several oreas.

Settlement in Several oreas.

Blockage in Several oreas.

OK

Solver of oreas.

Solver of oreas.

Solver of oreas.

Rusted in oreas.

Anchor Blocks (include picture): Steel Penstock: Confecte Saddles: Expansion Joints: Comments: New Scol installed in the second surge Tank	ok Good A first expansian
Surge Tank	Date: 03-12-02
Weather: Foundations: Anchor Bolts: Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: Comments: ON & SPAN ON LegS bent JAMAGE	CLOUSY GOOD GOOD ONE MISSING DUE tO ICE DAMAGE GOOD AS PER INSPECTION AS PER INSPECTION RUSTING ON CATUALTS AS PER INSPECTION AS PER INSPECTION GOOD JUE to ICE



Frozen Ocean Lake Dam	Date: 0 4 - 84 - 15
Water Level:	598.80
Weather:	SUNNY
Upstream slope:	0大
Crest:	ok
Vegetation:	6K
Downstream Slope:	<u>ot</u>
Ponded Water:	NONE
Gate Structure (include picture):	Needs KepaIRC
Gate Opening:	NEEDS REPORES
Gate Operation:	HARD to operate
Spillway Abutments:	<u>ok</u>
Spillway Riprap Upstream (include picture):	<u>o</u>
Spillway Riprap Downstream (include picture):	6 K
Spillway Debris	NOUC
Downstream Channel:	<u>0</u> K
Comments: Bollom 811L IN GALE OPENI	NG MISSING GALE
hart to operate gate opening seem	Stobe Shifted
Rattling Dam and Spillway	Date: 04-04-13
Rattling Dam and Spillway Water Level:	
······································	363.60
Water Level: Weather:	363.60 SUNNY
Water Level:	363.60
Water Level: Weather: Upstream Slope (include picture):	363.60 SUNNY OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope:	363.60 SUNNY OK
Water Level: Weather: Upstream Slope (include picture): Crest:	363.60 SUNNY OK OK OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation:	363.60 SUNNY ok ok
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water:	363.60 SUNNY ok ok ok ok ok None
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris:	363.60 SUNNY OK OK OK OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete:	363.60 SUNNY ok ok ok ok NONE NONE
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards:	363.60 SUNNY ok ok ok ok ok ok ok ok ok ok ok ok ok
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports:	363.60 SUNNY OK OK OK OK NONE NONE OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway:	363.60 SUNNY OK OK OK OK OK OK OK NONE NONE OK OK OK OK OK OK OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence:	363.60 SUNNY OK OK OK OK NONE NONE NONE OK OK OK OK OK OK OK OK OK OK OK OK OK

Rattling/Amy's and Freeboard Dams	Date: 0 4- 0 4- 13
Water Level:	363.60
Weather:	SUNNY
Upstream Slopes (include picture):	04
Crest:	ot
Downstream Slope:	<u>6</u> †
Vegetation:	<u> </u>
Debris:	LARGE A MOUNT
Gate Opening:	68%
Gate Operation:	<u>e</u> *
Gatehouse:	0K
Outlet Channel:	CONCrete NeedS KePAIR
Comments: Some blockage in outlet c	hannel
LARGE AMOUNT OF JEBRIS ON AMY, S JAM	needs to be Removed
Forebay Dam & Spillway	Date:04-04-13
Water Level:	334.80
Weather:	SUNNY
Upstream Slope:	0.5
Downstream Slope:	<u>o</u> k
Crest:	ok
Vegetation:	10
Ponded Water:	ok
Gate Operation:	ok
Gatehouse:	ot
Spillway Crest:	6X
Debris:	NONC
Spillway Channel:	ots
Comments: Jooks I Jook Boxes needs &	
LOREDBY GALEHOUSE WALKWAY NEEDS to	
Penstock	<u>Date</u>
Weather:	
Alignment:	
Drainage Ditches:	
Culverts:	
Bed (erosion):	
Woodstaves (include picture):	
Cradles:	
Bands:	

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Steel Penstock: Concrete Saddles: Expansion Joints: Comments:	
Surge Tank	Date: 04-04-14
Weather:	CLOUDY
Foundations:	<u>ok</u>
Anchor Bolts:	<u>ó</u> *
Legs:	ok
Bracing:	ONE brace missing due to ice damas
Ladder:	<u>o</u> F
Outer casing (include picture):	<u>ot</u>
Tank:	AS Per INSPECTION
Inner Riser:	AS PER INSPECTION
Walkway:	Some RUSZING
Baffles:	AS PER INSPECTION
Cover:	ok
Comments: <u>Newbrace on Site</u>	to be INSEALLED ON tANK

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<u>Frozen Ocean Lake Dam</u>	<u>Date:</u>
Water Level:	
Weather:	
Upstream slope:	
Crest:	
Vegetation:	
Downstream Slope:	
Ponded Water:	***************************************
Gate Structure (include picture):	
Gate Opening:	
Gate Operation:	
Spillway Abutments:	
Spillway Riprap Upstream (include picture):	
Spillway Riprap Downstream (include picture):	
Spillway Debris	
Downstream Channel:	
Comments:	
Rattling Dam and Spillway	Date:
Water Level:	
Weather:	***************************************
Upstream Slope (include picture):	
Crest:	•
Downstream Slope:	
Downstream Slope: Vegetation:	#*************************************
Downstream Slope: Vegetation: Ponded Water:	
Vegetation:	
Vegetation: Ponded Water:	
Vegetation: Ponded Water: Debris:	
Vegetation: Ponded Water: Debris: Spillway Concrete:	
Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards:	
Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports:	
Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway:	
Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence:	

Rattling/Amy's and Freeboard Dams	<u>Date</u> :	
Water Level:		
Weather:		
Upstream Slopes (include picture):		
Crest:		
Downstream Slope:		
Vegetation:		
Debris:		
Gate Opening:		
Gate Operation:		
Gatehouse:	· ·	
Outlet Channel:		
Comments:		
	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
Forebay Dam & Spillway	<u>Date</u> :	
Water Level:		
Weather:		
Upstream Slope:		
Downstream Slope:		
Crest:		
Vegetation:		
Ponded Water:		
Gate Operation:		
Gatehouse:		
Spillway Crest:		
Debris:		
Spillway Channel:		
Comments:		
<u>Penstock</u>	Date: 11-08-2004	
Weather:	Cloudy	
Alignment:	Settlement in Several oneas	
Drainage Ditches:	Blackage in several areas	
Culverts:	<u> </u>	
Bed (erosion):	Several areas	
Woodstaves (include picture):	Bod in areas	
Cradles:	Scheral broken	
Rande [*]	we have be har wind.	

Anchor Blocks (include picture):	OK.
Steel Penstock:	-0%
Concrete Saddles:	
Expansion Joints:	Cood
Comments: Construction in area wil	
	CZSYUTSI
12.	
Surge Tank	Date:
Weather:	<u></u>
Foundations:	
Anchor Bolts:	
Legs:	
Bracing:	
Ladder:	
Outer casing (include picture):	
Tank:	
Inner Riser:	
Walkway:	
Baffles:	
Cover:	
Comments:	
·	

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Frozen Ocean Lake Dam	Date: 04-07-15
Water Level:	595.50
Weather:	SUNNY
Upstream slope:	05
Crest:	ok
Vegetation:	ok
Downstream Slope:	ok
Ponded Water:	NONE
Gate Structure (include picture):	OK
Gate Opening:	0K
Gate Operation:	hard to operate
Spillway Abutments:	0K
Spillway Riprap Upstream (include picture):	0K
Spillway Riprap Downstream (include picture):	OK
Spillway Debris	NONE
Downstream Channel:	ok
Comments: BOLLOM SILLINGALE OPENI	NG IS MISSING
gate hard to operate	
Rattling Dam and Spillway	Date: 04_ 07_19
Water Level:	360:50
Weather:	overcast
Upstream Slope (include picture):	0K
Crest:	0.5
Downstream Slope:	ok
Vegetation:	Large a mount
Ponded Water:	NONE
Debris:	NONE
Spillway Concrete:	0k
Flashboards:	05
Flashboard and Walkway Supports:	0K
Walkway:	NEEDS SOMETEPAITS
Security Fence:	2. WING WALL MISSING
Spillway Channel:	ot
Comments: Large Amount of Vegetation	ON JOUNS ETEAM SLOPE
Large Amount of Vegetation in the SI	

Rattling/Amy's and Freeboard Dams	Date: 04-07-19
Water Level:	35060
Weather:	overcast
Upstream Slopes (include picture):	ok
Crest:	05
Downstream Slope:	ok
Vegetation:	Large a mount
Debris:	Large amount at amysdam
Gate Opening:	35%
Gate Operation:	<u>0</u> K
Gatehouse:	<u>ok</u>
Outlet Channel:	Some blockage
Comments: Large Amount of Vegetation	on the urstream
AND LOWN SERENMAN AMYS Jam LANGEA	mount of regetation
on the crest IN two sections of thed	Am
Forebay Dam & Spillway	Date: 04-07-19
Water Level:	334.15
Weather:	OVErcast
Upstream Slope:	0K
Downstream Slope:	<u>o</u> t
Crest:	<u>ot</u>
Vegetation:	OX.
Ponded Water:	LANGE AMOUNT LOW 11 STREAM
Gate Operation:	ONE area
Gatehouse:	01
Spillway Crest:	68
Debris:	NOWC
Spillway Channel:	70
Comments: doors weed Records	
<u>Penstock</u>	<u>Date</u> :
Weather:	
Alignment:	
Drainage Ditches:	
Culverts:	
Bed (erosion):	
Woodstaves (include picture):	
Cradles:	
Bands:	

Anchor Blocks (include picture): Steel Penstock: Concrete Saddles: Expansion Joints: Comments:	
······································	
Surge Tank	Date:04-07-19
Weather:	SUNNY
Foundations:	o t
Anchor Bolts:	<u>o</u> *
Legs:	ot
Bracing:	ONE PHACE MISSING
Ladder:	ok
Outer casing (include picture):	<u>6</u> K
Tank:	AS Per Inspection
Inner Riser:	ASBYINSPELTION
Walkway:	SomeRusting
Baffles:	ASTERINSPECTION
Cover:	ok
Comments:	



Frozen Ocean Lake Dam	Date: 04-/0-08
Water Level:	59750
Weather:	SUNNY
Upstream slope:	0 t
Crest:	ok
Vegetation:	05
Downstream Slope:	<u> </u>
Ponded Water:	ok
Gate Structure (include picture):	ok
Gate Opening:	oK
Gate Operation:	ok
Spillway Abutments:	<u>0</u> K
Spillway Riprap Upstream (include picture):	0K
Spillway Riprap Downstream (include picture):	<u>0 t </u>
Spillway Debris	<u>or</u>
Downstream Channel:	<u>ot</u>
Comments: WORK ONGOING by CONL	RACTOR
Rattling Dam and Spillway	Date: 04-10-19
Rattling Dam and Spillway Water Level:	
	374.10
Water Level:	374.10 OVERCASE
Water Level: Weather:	374.10 OVERCASE OF
Water Level: Weather: Upstream Slope (include picture):	374.10 OVERCASE
Water Level: Weather: Upstream Slope (include picture): Crest:	374.10 OVERCASE OF
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope:	374.10 OVERCASE OK OK LARGE A MOUNT
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation:	374.10 OVERCASE OK OK LARGE A MOUNT
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water:	374.10 OVERCASE OK OK LARGE AMOUNT ONE AERA NONE
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards:	374.10 OVERCASE OK OK LARGE A MOUNT ONE AERA NONE
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports:	374.10 OVERCASE OK OK OK LARGE AMOUNT ONE AERA NONE OK OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spiliway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway:	374.10 OVERCASE OK OK LARGE AMOUNT ONE AERA NONE OK OK OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence:	374.10 OVERCASE OK OK LARGE AMOUNT ONE AERA NONE OK OK OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spiliway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway:	374.10 OVERCASE OK OK LARGE AMOUNT ONE AERA NONE OK OK OK

Rattling/Amy's and Freeboard Dams	Date: 15/10/2-004
Water Level:	373.50
Weather:	610097
Upstream Slopes (include picture):	6000
Crest:	baard
Downstream Slope:	6000
Vegetation:	Lorge AMount
Debris:	Lavae Amount
Gate Opening:	33%
Gate Operation:	OK
Gatehouse:	6-004
Outlet Channel:	Some Blockage
Comments: Large Amount Debris	
Forebay Dam & Spillway	Date: 07 /10/2004
Water Level:	33H.50
Weather:	Choudy ;
Upstream Slope:	6000
Downstream Slope:	6000
Crest:	6009
Vegetation:	Large AMount Downstrear
Ponded Water:	One Area
Gate Operation:	-0 K
Gatehouse:	Treeds TWO NEW DOORS
Spillway Crest:	-0 K
Debris:	None
Spillway Channel:	No
Comments:	
	
Penstock	Date: 14/10/2064
Weather:	<u>C10077</u>
Alignment:	Settlement in areas
Drainage Ditches:	Blockage in several area
Culverts:	OK 3
Bed (erosion):	Etosion in Several areas
Woodstaves (include picture):	Bod in Several areas
Cradles:	Several Broken
Bands:	Threads rusting

Anchor Blocks (include picture): Steel Penstock: Steel Saddles: Expansion Joints: Comments: Roadbed brosh co	OK OK OK Some Leakage Overed in Several Overes.
Surge Tank	<u>Date</u> :
Weather:	
Foundations:	·
Anchor Bolts:	
Legs:	
Bracing:	
Ladder:	
Outer casing (include picture):	
Tank:	
Inner Riser:	
Walkway:	
Baffles:	
Cover:	
Comments:	

A.



Weather: Upstream slope: Crest: Upstream slope: Crest: Downstream Slope: Ponded Water: Gate Spructure (include picture): Gate Opening: Gate Opening: Gate Operation: Spillway Abutments: Spillway Riprap Upstream (include picture): Spillway Riprap Upstream (include picture): Spillway Riprap Downstream (include picture): Spillway Riprap Downstream (include picture): Spillway Debris Downstream Channel: Comments: Sident Chart Chart of Spillway Date: Amanuat Security Periods Water Level: Weather: Upstream Slope (include picture): Crest: Upstream Slope (include picture): Crest: Upstream Slope (include picture): Crest: Upstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel:	Frozen Ocean Lake Dam	Date: 2005-01-11
Weather: Upstream slope: Crest: Vegetation: Downstream Slope: Ponded Water: Gate Structure (include picture): Gate Opening: Gate Opening: Gate Opening: Gate Operation: Spillway Riprap Upstream (include picture): Spillway Riprap Upstream (include picture): Spillway Riprap Downstream (include picture): Spillway Riprap Downstream (include picture): Spillway Debris Downstream Channel: Comments: Indicate the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of this time browns of the standard of the standard of this time browns of the standard of th	Water Level:	603.20
Upstream slope: Crest: Crest: Downstream Slope: Ponded Water: Gate Structure (include picture): Gate Operation: Spillway Abutments: Spillway Riprap Upstream (include picture): Spillway Riprap Downstream (include picture): Spillway Riprap Downstream (include picture): Spillway Debris Downstream Channel: Comments: Comments: Lich Match and Charle of Abutin and this time browns of Abutin and Spillway Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Lang Amount of Vegetation)	Weather:	
Crest: Vegetation: Downstream Slope: Ponded Water: Gate Structure (include picture): Gate Opening: Gate Opening: Gate Opening: Gate Opening: Gate Opening: Gate Opening: Spillway Abutments: Spillway Riprap Upstream (include picture): Spillway Riprap Downstream (include picture): Spillway Pepris Downstream Channel: Comments: Spillway That Chack gate of paration at this time broads of the comments: Spillway Pepris Downstream Slope: Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation: Ponded Water: Downstream Slope: Vegetation I.pose OK Spillway Channel:	Upstream slope:	•
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Gate Operation: Spillway Abutments: Spillway Riprap Upstream (include picture): Spillway Riprap Downstream (include picture): Spillway Riprap Downstream (include picture): Spillway Debris Downstream Channel: Comments: Spillway Concrete: Fair Amount Spillway Date: Showcolered Sh	Gate Opening:	
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Spillway Debris Downstream Channel: Comments: 1.4 mat check after offeration at this time browns of the comments. Lee condition to their amount of hours an spillway. Lee condition to their amount of hours an spillway. Lee condition to their amount of hours an spillway. Lee condition to their amount of hours an spillway. Lee condition to their amount of hours and spillway. Date: 2005-01-05 Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Lavar Amount of Vegetation	Spillway Riprap Downstream (include picture):	
Downstream Channel: Comments: Did mat chack gote of partial at this time browns of lectromate of bearing an application of the level of bearing an application of lectromate of bearing an application. Rattling Dam and Spillway Date: 2005-01-05 Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Date: 2005-01-05 Cloud-1 Periods Cloud-1 Periods Chand Chan	Spillway Debris	
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Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel:	ice conditioned. Foir amount of	& hopin on soillunes: will
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Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Cloud- Periods Croud	Rattling Dam and Spillway \(\cdot\)	Date: 2005-01205
Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Cloud- PeriodS Crood Crood Crood Deriod Crood	Water Level:	376,0
Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel:	Weather:	
Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel:	Upstream Slope (include picture):	_ ~
Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel:	Crest:	
Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Support plack cyacked (Picture OK) OK OK ONE Section 1.5050 OK Spillway Channel:	Downstream Slope:	•
Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel:	Vegetation:	-
Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Spillway Channel: Name Spillway Concrete: Name Spection Loose OK Spillway Channel:	Ponded Water:	£ 1
Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: Spillway Concrete: Support block cyacked (picture) Ok OK OK Spillway: ONE Section 1.505E OK Spillway Channel:	Debris:	NEAR
Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence: Spillway Channel: OK OK OK OK OK OK OK OK OK O	Spillway Concrete:	, 5ce
Walkway: Security Fence: Spillway Channel: One Section 1.50SE Ok Lavar Amount of Vegetation	Flashboards:	OK 1/18:018
Walkway: Security Fence: Spillway Channel: One Section 1.50SE OK Lavar Amount of Vegetation	Flashboard and Walkway Supports:	ok
Security Fence: Spillway Channel: Lavar Amount of Vegetation	Walkway:	
Spillway Channel: Lavar Amount of Vegetation	Security Fence:	· · · · · · · · · · · · · · · · · · ·
	Spillway Channel:	
often spring run-off.	Comments: 5 ollows up to nema	re resitation
- " " " " " " " " " " " " " " " " " " "	olin spring run- off.	

Rattling/Amy's and Freeboard Dams	Date: 2005-01-05
Water Level:	376,00
Weather:	Cloudy Periods
Upstream Slopes (include picture):	Good
Crest:	Good
Downstream Slope:	Good
Vegetation:	Lorge Amount
Debris:	taxae Amount
Gate Opening:	38%
Gate Operation:	Ok
Gatehouse:	210.
Outlet Channel:	Some Blockage
Comments: Large Amount of Debris	
be a Follow up in spring. Als	D CUT Vegetation in sprin
	5vm
Forebay Dam & Spillway	Date: 2-05 5-01-05
Water Level:	334.70
Weather:	Choudy Periods
Upstream Slope:	Good periods
Downstream Slope:	Good
Crest:	(-00¢
Vegetation:	Large Amount Downstream
Ponded Water:	Dre Area
Gate Operation:	D.K
Gatehouse:	Meeds two new Doors
Spillway Crest:	<u> </u>
Debris:	None
Spillway Channel:	ok
Comments: Should Follow-up cutti	
Spring or Summer	3 3
<u>Penstock</u>	Date: 2005-01-05
Moothor	
Weather:	MONGS/ FIBPL SUPM
Alignment:	Settle ment in overs
Drainage Ditches:	Blackage in Several aveal
Culverts:	DK
Bed (erosion):	Snow covered
Woodstaves (include picture):	Snow/icecovered
Cradles:	Several Broken

Bands:

Anchor Blocks (include picture): Steel Penstock: Steel Saddles: Expansion Joints: Comments: <u>Skould Follow up in</u>	OK OK Some Leakage in one Spring or Summer
<u>Surge Tank</u>	<u>Date</u> : えっっち - っ (- 1)
Weather:	Cloudy /light Snow
Foundations:	No
Anchor Bolts:	<u>0 X</u>
Legs:	6K
Bracing:	710
Ladder:	01
Outer casing (include picture):	OX
Tank:	As per inspection by contractor.
Inner Riser:	
Walkway:	(1 i) i) i) j
Baffles:	11 11 11 11 11
Cover:	$\frac{(i-k)}{2}$
Comments: Rusting on lower co	Twolh .

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<u>Frozen Ocean Lake Dam</u>	Date: 05-04-15
Water Level:	598.50
Weather:	SUMANIA
Upstream slope:	SUNNY
Crest:	ok ok
Vegetation:	NONE
Downstream Slope:	0k
Ponded Water:	ONE AEra
Gate Structure (include picture):	ot nera
Gate Opening:	CŁOSEJ
Gate Operation:	ak
Spillway Abutments:	OK Still LEAKING
Spillway Riprap Upstream (include picture):	OK_
Spillway Riprap Downstream (include picture):	OK
Spillway Debris	LARGE AMOUNE
Downstream Channel:	OK AMEGINE
Comments:	
Rattling Dam and Spillway	Date:05-04-26
Water Level:	368.15
Weather:	CLoudy
Upstream Slope (include picture):	OK
Crest:	OK
Downstream Slope:	ok
Vegetation:	LArge Amount
Ponded Water:	ONE Aera
Debris:	None
Spillway Concrete:	SUPPORT bLOCK CRACKED.
Flashboards:	ok
Flashboard and Walkway Supports:	ot
Walkway:	ONE Section Losse
Security Fence:	ok
Spillway Channel:	LATGE AMOUN & OF VEGETALION
Comments: <u>Vegetation</u> needs cutting	

Rattling/Amy's and Freeboard Dams	Date:05-04-26
Water Level: Weather: Upstream Slopes (include picture): Crest: Downstream Slope: Vegetation: Debris: Gate Opening: Gate Operation: Gatehouse: Outlet Channel: Comments: Large Amount of Jebries 1 to Jebris Needs to be purnt or remove	368.15 CLOUDY OK OK OK LArge A MOUNT LArge A MOUNT 688 OK SOME blockage regetation At Amy, S
Forebay Dam & Spillway	Date:05-04-26
Water Level: Weather: Upstream Slope: Downstream Slope: Crest: Vegetation: Ponded Water: Gate Operation: Gatehouse: Spillway Crest: Debris: Spillway Channel: Comments: Vegetation neet cutting	334.00 Cloudy OK OK OK OK LArge AMOUNT JOWN STREAM ONE ARRA OK OK OK
Penstock Weather: Alignment: Drainage Ditches: Culverts: Bed (erosion): Woodstaves (include picture): Cradles: Bands:	<u>Date</u> :

Rattling/Amy's and Freeboard Dams	<u>Date</u> :	
Water Level:		
Weather:		
Upstream Slopes (include picture):		
Crest:		
Downstream Slope:		
Vegetation:		
Debris:		
Gate Opening:		
Gate Operation:		
Gatehouse:		
Outlet Channel:		
Comments:		
Forebay Dam & Spillway	<u>Date</u> :	
Water Level:		
Weather:		
Upstream Slope:		
Downstream Slope:		
Crest:		
Vegetation: Ponded Water:		
Gate Operation:		
Gatehouse:		
Spillway Crest:		
Debris:		
Spillway Channel:		
Comments:		
<u>Penstock</u>	Date:05-04-26	
Weather:	SUNWY	
Alignment:	Settlement IN areas	
Drainage Ditches:	BLOCKAGE SEVERAL acras	
Culverts:	o L	
Bed (erosion):	SNOW ICE Covered	
Woodstaves (include picture):	OK	
Cradles:	Sever AL BLOKEN	
Bands:	RUSLING INSEVERAL AFEAS	

Anchor Blocks (include picture): Steel Penstock: Sonçiele Saddles: Expansion Joints: Comments:	OK OK SMAL LEAKE
Surge Tank	Date:05-04-26
Weather:	SUNNY
Foundations:	OK
Anchor Bolts:	6大
Legs:	6×
Bracing:	ok
Ladder:	6×
Outer casing (include picture):	40
Tank:	AS Fer INSPECTION
Inner Riser:	10 10 (2 11 /1
Walkway:	11 11 14 (1 (1
Baffles:	11 11 12 12 14
Cover:	110 . 1 . 1 . 11
Comments: Some Rusting or lower cuti	uell



<u>Frozen Ocean Lake Dam</u>	Date: 05-08-08
Water Level:	595.50
Weather:	Cloudy
Upstream slope:	ok
Crest:	015
Vegetation:	0
Downstream Slope:	0 K
Ponded Water:	NON 6
Gate Structure (include picture):	ok:
Gate Opening:	48 INChes
Gate Operation:	hard to open
Spillway Abutments:	0×
Spillway Riprap Upstream (include picture):	ot
Spillway Riprap Downstream (include picture):	<u>ot</u>
Spillway Debris	SMALL AMOUNT
Downstream Channel:	ok
Comments: gate hard to operate	has Lobe Chancked
openby hand most of the way	
Rattling Dam and Spillway	Date: 05-08-09
Water Level:	3 <i>54.95</i>
Weather:	SUNNY
Upstream Slope (include picture):	0K
Crest:	oK
Downstream Slope:	OK
Vegetation:	LANGE AMOUN E
Ponded Water:	larea
Debris:	None
Spillway Concrete:	Black Cracked on. on e Support
Flashboards:	OK.
Flashboard and Walkway Supports:	0 =
Walkway:	6 K
Security Fence:	
Spillway Channel:	LArge amount of regetation
Comments:	

a mount a mount amount hlockage he upstream bris upstream
5-07-13
amount.era

Anchor Blocks (include picture): Steel Penstock: Concrete Saddles: Expansion Joints: Comments:	
Surge Tank	Date:0 5-08-09
Weather:	SUNNY
Foundations:	ot
Anchor Bolts:	OF
Legs:	70
Bracing:	<u>o</u> t
Ladder:	<u>ok</u>
Outer casing (include picture):	OK
Tank:	AS PER INSPECTION
Inner Riser:	AS Per INSPECTION
Walkway:	Somerusting on lower CAEWALL
Baffles:	AS Per INSPECTION
Cover:	OF
Comments:	



<u>Frozen Ocean Lake Dam</u>	Date:06-01-11
Water Level:	597.50
Weather:	SUNNY
Upstream slope:	ok
Crest:	ok
Vegetation:	ot
Downstream Slope:	OK
Ponded Water:	ONE Alra
Gate Structure (include picture):	ot
Gate Opening:	48 inches
Gate Operation:	<u>ok</u>
Spillway Abutments:	04
Spillway Riprap Upstream (include picture):	01
Spillway Riprap Downstream (include picture):	OK
Spillway Debris	SMALL AMOUNE
Downstream Channel:	ok
Comments:	
Rattling Dam and Spillway	Date: 06-01-11
Water Level:	358.20
Weather:	SUNNY
Upstream Slope (include picture):	OF
Crest:	OK
Downstream Slope:	OK OK
Vegetation:	OK
Ponded Water:	None observed
Debris:	NONE
Spillway Concrete:	ok
Flashboards:	ot
Flashboard and Walkway Supports:	O.K.
Walkway:	ot
Security Fence:	
	OX
Spillway Channel:	<u>vegetation needs. Cutting</u>

Rattling/Amy's and Freeboard Dams	Date 06-01-11
Water Level:	358.20
Weather:	SUNNY
Upstream Slopes (include picture):	OF
Crest:	oK
Downstream Slope:	OK
Vegetation:	ok
Debris:	ok
Gate Opening:	30%
Gate Operation:	ok
Gatehouse:	<u>ot</u>
Outlet Channel:	SomebLockage, CAMY.S
Comments:	
Forebay Dam & Spillway	Date:06-04-11
- Crossy Dam & Opinitaly	<u>Bate</u> O V
Water Level:	33410
Weather:	SUNNY
Upstream Slope:	OK
Downstream Slope:	ok
Crest:	0k
Vegetation:	ok
Ponded Water:	ok
Gate Operation:	<u>0</u> 5
Gatehouse:	04
Spillway Crest:	<u>ok</u>
Debris:	ok
Spillway Channel:	ot
Comments:	
Penstock	Data
<u>relistock</u>	<u>Date</u> :
Weather:	
Alignment:	
Drainage Ditches:	
Culverts:	
Bed (erosion):	
Woodstaves (include picture):	
Cradles:	
Rands:	

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Anchor Blocks (include picture): Steel Penstock: Concrete Saddles: Expansion Joints:	
Comments:	
Surge Tank	Date:06-01-11
Weather:	SUNNY
Foundations:	ot
Anchor Bolts:	O k
Legs:	OK:
Bracing:	ot
Ladder:	ot
Outer casing (include picture):	or
Tank:	AS Per inspection
Inner Riser:	ASPER INSPECTION
Walkway:	Some rusting on both walke AyS
Baffles:	0 \
Cover:	ot
Comments:	

<u>Penstock</u>	Date:06-01-11
Weather:	SUNNY
Alignment:	Some sottement in wash
Drainage Ditches:	Need disching
Culverts:	05
Bed (erosion):	Some in washout a era
Woodstaves (include picture):	<u>ot</u>
Cradles: Bands:	Some rusting
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nchor Blocks (include picture): teel Penstock: Sheet Sheete Saddles:	

one leaking



<u>Frozen Ocean Lake Dam</u>	Date: 06-04-13
Water Level:	599.00
Weather:	SUNNY
Upstream slope:	OK:
Crest:	0K
Vegetation:	OF
Downstream Slope:	o t
Ponded Water:	NONP
Gate Structure (include picture):	OK
Gate Opening:	OK:
Gate Operation:	<u>0</u> *
Spillway Abutments:	ot
Spillway Riprap Upstream (include picture):	ot
Spillway Riprap Downstream (include picture):	OF
Spillway Debris	LARGE AMOUNT
Downstream Channel:	ot
Comments:	
Rattling Dam and Spillway	Date: 06 - 04 - 11
Rattling Dam and Spillway Water Level:	
	356.85
Water Level:	
Water Level: Weather:	356.85 SUNNY
Water Level: Weather: Upstream Slope (include picture):	356.85 SUNNY
Water Level: Weather: Upstream Slope (include picture): Crest:	356.85 SUNNY OF Show Covered OF
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope:	356.85 SUNNY OF SZOW COVEYED OF NONE
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation:	356.85 SUNNY OF Show Covered OF
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water:	356.85 SUNNY OF SZOW COVERED OF NONE NONE
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris:	356.85 SUNNY OF SZOW COVEYED OF NONE NONE NONE
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete:	356.85 SUNNY OF Show Covered OF NONE NONE NONE
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway:	356.85 SUNNY OF Show Covered OF NONE NONE OF
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence:	356.85 SUNNY OF SZOW COVEYED OF NONE NONE OF OF
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway:	356.85 SUNNY Ot Show Covered Ot NONE NONE OK OK OK
Water Level: Weather: Upstream Slope (include picture): Crest: Downstream Slope: Vegetation: Ponded Water: Debris: Spillway Concrete: Flashboards: Flashboard and Walkway Supports: Walkway: Security Fence:	356.85 SUNNY OF SLOW COVERED OF NONE NONE OF OF OF OF

Rattling/Amy's and Freeboard Dams	Date: 06-64-11
Water Level: Weather: Upstream Slopes (include picture): Crest: Downstream Slope: Vegetation: Debris: Gate Opening: Gate Operation: Gatehouse: Outlet Channel: Comments:	356-85 SUNNY OR SNOW COVERED SNOW COVERED OR SNOW COVERED 8596 OR OR Someblockage C. Amy S
Forebay Dam & Spillway	Date: 06-64-11
Water Level: Weather: Upstream Slope: Downstream Slope: Crest: Vegetation: Ponded Water: Gate Operation: Gatehouse: Spillway Crest: Debris: Spillway Channel: Comments:	334.60 SUNNY SNOWCOVERED SNOW COVERED NONE ONE Area OK NEEDS AHENTION NONE OX
Penstock Weather: Alignment: Drainage Ditches: Culverts: Bed (erosion): Woodstaves (include picture): Cradles: Bands:	Date:

Surge Tank Date: 0 6- 64-il Weather: Foundations: Anchor Bolts: Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: Comments:	Anchor Blocks (include picture): Steel Penstock: Concrete Saddles: Expansion Joints: Comments:	
Foundations: Anchor Bolts: Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: Ct Ct Ct Ct Ct Ct Ct At At Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection Cover:	Surge Tank	Date: 06-04-11
Anchor Bolts: Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: Oth Oth Oth Oth Oth Oth Oth O	Weather:	SUNNY
Anchor Bolts: Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: Oth Oth Oth Oth Oth Oth Oth O	Foundations:	6×
Legs: Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: Oth Ch Ch Ch AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection		ot
Bracing: Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: St AS Per insPection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection		ok
Ladder: Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: At Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection As Per inspection	<u> </u>	ot
Outer casing (include picture): Tank: Inner Riser: Walkway: Baffles: Cover: AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection	•	
Tank: Inner Riser: Walkway: Baffles: Cover: AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection AS Per inspection		6t
Inner Riser: Walkway: Baffles: Cover: AS Per inspection Som Rusting on both walkway: AS Per inspection OK	<u> </u>	
Walkway: Baffles: Cover: Som Rusting on both welkway. AS Per inspection OR		
Baffles: Cover: AS Per inspection Ex		
Cover:	•	AS Pet inspection
		· · · · · · · · · · · · · · · · · · ·

Rattling/Amy's and Freeboard Dams	<u>Date</u> :
Water Level:	
Weather:	
Upstream Slopes (include picture):	
Crest:	
Downstream Slope:	
Vegetation:	
Debris:	
Gate Opening:	
Gate Operation:	
Gatehouse:	
Outlet Channel:	
Comments:	
Forebay Dam & Spillway	Date:
Water Level:	·
Weather:	
Upstream Slope:	
Downstream Slope:	
Crest:	
Vegetation:	
Ponded Water:	
Gate Operation:	
Gatehouse:	
Spillway Crest:	
Debris:	
Spillway Channel:	
Comments:	
Penstock	<u>Date</u> :06 − 0 4 − 17
Weather:	RAINING
Alignment:	ROIVING Some SEHLEMENT
Drainage Ditches:	Regulacs Litching
Culverts:	64
Bed (erosion):	Some IN washout area
Woodstaves (include picture):	Several bad LECALIONS
Cradles:	26
Bands:	Some rusting Near Over PASS

Outage Reports for Rattling Brook Plant for Unit 1 and Unit 2

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1081	Bearings	2003-02-18	2003-02-18	s.o.#126820to change bearing oil
1099	Instrumentation / Controls	2003-02-26	2003-02-26	adjust alarm setting on cooling water.
1100	Cooling system	2003-02-26	2003-02-26	Check cooling water line and clean strainors
1118	Unknown	2003-03-03	2003-03-03	Unit tripped and locked out
1119	Instrumentation / Controls	2003-03-04		out of service due to faulty turbine oil temp probe□ Probe replaced
1121	Generator	2003-03-04	2003-03-04	so 126923 to megger unit□
1132	Bearings	2003-03-13	2003-03-19	Turbine bearing temperature trip
1167	Surge Tank	2003-04-04	2003-04-05	Unit shut to repair surge tank
1244	Bearings	2003-05-07	2003-05-07	to change turbine bearing oilS/O 83734
1377	Turbine	2003-07-09	2003-07-09	Gland water pressure dropped
1485	Instrumentation / Controls	2003-08-26	2003-08-26	pit flood alarm replaced flow value on RBK-G1 gate cover
1523	Generator	2003-09-24	2003-09-24	SO 127916 for brush main
1570	Generator Power Transformer	2003-10-14	2003-10-15	S/O # 128008 in effect to retire RBK-T1
1571	Penstock	2003-10-14	2003-10-18	S/O # 128038 dewater and inspect penstock
1572	Surge Tank	2003-10-18	2003-10-20	S/O #84235 to dewater penstock and check leaking manhole cover in surge tank
1588	Turbine	2003-10-27	2003-10-28	To repair broken grease line to head cover on G1
1705	Generator	2003-12-10	2003-12-10	brush gear maintenance
1714	Trash Racks	2003-12-12	2003-12-12	s/o 128287 to remove debris & old heater's fr rbk f/b trashracks
1770	Generator Power Transformer	2004-01-08	2004-01-08	personel working on t1 caused the trip

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1886	Bearings	2004-03-09	2004-03-11	S/O # 128656 to enable oil change on lower guide bearing
1912	Generator	2004-03-24	2004-03-24	RBK-G1 was isolated for brush gear maintenance under S/O # 128701.
1938	Generator	2004-03-31	2004-04-02	S.O.# 128574 in effect to perform cleaning on lower bracket.
1950	Not Applicable	2004-04-06	2004-04-06	RBK-G1 isolated for inspection & measurements on PT's , CT'S and other equipment. S.O.#128759
2109	Generator	2004-06-30	2004-06-30	BRUSH GEAR MAINTENANCE ON RBK-G1
2117	Cooling system	2004-07-02	2004-07-02	Unit shut due to Cooling water alarm and PPM back in country.
2120	Cooling system	2004-07-04	2004-07-04	cooling alarm at 1059 no answer to operators Scc called for shut
				trouble with cooling G/flow Follow up on work request 3091.
2141	Generator	2004-07-22	2004-07-26	RBK-G1 is out of service due to high level on condensation. Generator has heaters installed and is tarped.
2185	Generator	2004-08-18	2004-11-25	so 129440 for Capital Project - stator rewind
2481	Generator	2005-01-05	2005-01-05	RBK-G1 shut down to check brushes.Noisey.□
2485	Exciter	2005-01-07	2005-01-07	S/O # 130088 to perform brush gear mtce.
2548	Instrumentation / Controls	2005-02-10		s.o.#130200 TO DO ELECTRICAL & MECHANICAL ENGINEERING ASSESSMENT OF RATTLING BROOK PLANT & TO CHECK NEXUS METERING
2556	Turbine	2005-02-15	2005-02-15	To inspect runners
2572	Not Applicable	2005-02-17	2005-02-17	off for main on G2
2574	Not Applicable	2005-02-17	2005-02-17	off for main on G2. ok
2600	Exciter	2005-03-14	2005-03-14	s/o 130330 to do brush gear maintenance. This is regular scheduled maintenance no follow up req'd.
2625	Bearings	2005-03-30	2005-03-30	Unit shut for low bearing oil level. Levels adjusted and unit available. No follow up req'd. No oil was leaked from unit.
2732	Cooling system	2005-05-31	2005-05-31	to clean strainers no follow up reqd
2836	Unknown	2005-07-23	2005-07-23	unit lockout also both T1 & T2 breakers. no trouble found power restored
2854	Generator Power Transformer	2005-08-11	2005-08-11	S.O.# 130955 in effect to investigate and repair an oil leak in a low voltage bushing on RBK-T1. Also to investigate problem with temperature gauge. Repairs made
2878	Governor	2005-08-25	2005-08-25	unit out of service for brush gear maintenance as per SO 131003
2922	Penstock	2005-09-23		0830 toRBK: S/O # 131166 in effect to inspect Amy's gate/culvert/outlet channel and tailrace for RBK plant.

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
2962	Bearings	2005-10-26	2005-10-26	1119 to 1515RBK: G1 taken off line to replace oil in lower guide bearing. regular maintenance
2965	Governor	2005-11-01	2005-11-01	to check Gov. motor. Mike burt is creating a work order for the governor motor repairs.
3036	Generator	2005-12-01	2005-12-01	so 131507
3181	Trash Racks	2006-01-22	2006-01-24	ice build up
3251	Not Applicable	2006-03-09	2006-03-09	paint around G2
3257	Unknown	2006-03-10	2006-03-10	S.O.#131815 in effect to isolate RBK-G1 for scheduled maintenance.
3275	Unknown	2006-03-28	2006-03-28	0854 to 1529S.O.#131914 in effect to perform scheduled maintenance on RBK-G1.ok
3323	Penstock	2006-05-10	2006-05-10	S.O.# 130998 in effect to partially de-water RBK penstock below leak to make repairs and install plate.repaired leak
3333	Bearings	2006-05-15	2006-05-15	Thrust bearing oil changed under S/O # 87623.RBK-G1: Shutdown due to High thrust bearing temperature.
3342	Cooling system	2006-05-16	2006-05-16	to clean big strainor

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1118	Unknown	2003-03-03	2003-03-03	Unit tripped and locked out
1119	Instrumentation / Controls	2003-03-04		out of service due to faulty turbine oil temp probe□ Probe replaced
1132	Bearings	2003-03-13	2003-03-19	Turbine bearing temperature trip
1167	Surge Tank	2003-04-04	2003-04-05	Unit shut to repair surge tank
1377	Turbine	2003-07-09	2003-07-09	Gland water pressure dropped
1485	Instrumentation / Controls	2003-08-26	2003-08-26	pit flood alarm replaced flow value on RBK-G1 gate cover
1572	Surge Tank	2003-10-18	2003-10-20	S/O #84235 to dewater penstock and check leaking manhole cover in surge tank
1588	Turbine	2003-10-27	2003-10-28	To repair broken grease line to head cover on G1
1770	Generator Power Transformer	2004-01-08	2004-01-08	personel working on t1 caused the trip
2117	Cooling system	2004-07-02	2004-07-02	Unit shut due to Cooling water alarm and PPM back in country.
2120	Cooling system	2004-07-04		cooling alarm at 1059 no answer to operators Scc called for shut trouble with cooling G/flow Follow up on work request 3091.
2625	Bearings	2005-03-30	2005-03-30	Unit shut for low bearing oil level. Levels adjusted and unit available. No follow up req'd. No oil was leaked from unit.
2836	Unknown	2005-07-23	2005-07-23	unit lockout also both T1 & T2 breakers. no trouble found power restored
3181	Trash Racks	2006-01-22	2006-01-24	ice build up
3333	Bearings	2006-05-15	2006-05-15	Thrust bearing oil changed under S/O # 87623.RBK-G1: Shutdown due to High thrust bearing temperature.

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1026	Instrumentation / Controls	2003-01-19	2003-01-19	unit tripped off on brush temp tēmp okay
1046	Cooling system	2003-01-31	2003-01-31	Tripped on upper guide cooling
1055	Cooling system	2003-02-06	2003-02-06	RBK-G2 tripped on upper guide cooling water.□ RBK-G2 Alarm
1082	Governor	2003-02-19	2003-02-20	S/O # 126852Repair leak on governor
1122	Turbine	2003-03-04	2003-03-04	Unit tripped and locked out.Unit tripped on Turbibe Vibration
1123	Turbine	2003-03-05	2003-03-05	Unit tripped and locked out.Unit tripped on Turbibe Vibration
1124	Turbine	2003-03-05	2003-03-05	Unit tripped and locked out.Unit tripped on Turbibe Vibration
1125	Cooling system	2003-03-05	2003-03-05	Unit tripped and locked out.□ cooling water flow
1126	Turbine	2003-03-05	2003-03-05	Unit off for water glan meter replacement
1148	Generator	2003-03-20	2003-03-21	Unit locked out⊡nit meggered before placing on line
1168	Instrumentation / Controls	2003-04-01	2003-04-02	Unit tripped and locked out on Master Shut Down
1169	Surge Tank	2003-04-04	2003-04-05	Unit shut to repair surge tank
1335	Generator	2003-06-16	2003-06-16	Unit tripped and locked outUnit tripped on slip ring temperature
1573	Penstock	2003-10-14	2003-10-18	S/O # 128038 dewater and inspect penstock
1574	Surge Tank	2003-10-18	2003-10-20	S/O # 84235 to dewater penstock and check leaking manhole cover in surge tank Part of inspection work
1646	Cooling system	2003-11-19	2003-11-19	alarm on cooling G1 PMP notified & G2 locked out

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1647	Cooling system	2003-11-19	2003-11-19	·
	Generator	2003-11-19		Unit tripped due to load limits at 100% on both units, and starving units of water.
	Cooling system	2003-11-24	2003-11-24	Unit shut down to clean cooling water strainers. Tom Hanlon reports this unit must be shut down to complete this work or the unit will trip off line.
1709	Cooling system	2003-12-12	2003-12-12	unit tripped and g2 alarm on. Unit tripped on upper cooling water fail.
1710	Bearings	2003-12-11	2003-12-11	S.O.# 84473 to replace lower guide bearing oil and cooling water piping on RBK-G2.
1715	Trash Racks	2003-12-12	2003-12-12	s/o 128287 to remove debris & old heater's fr rbk f/b trashracks
1741	Cooling system	2003-12-26	2003-12-26	unit tripped and alarm on.Cooling water alarm.
1771	Generator Power Transforr	2004-01-08	2004-01-08	personel working on t1 caused the trip
1892	Cooling system	2004-03-11	2004-03-11	Unit tripped on gland cooling water.
1910	Generator	2004-03-23	2004-03-23	RBK-G2 was isolated for brush gear maintenance under S/O # 128704. RBK-G2 was isolated to re-tape power cable to unit under S/O # 128693.
1921	Cooling system	2004-03-27	2004-03-27	Unit tripped on low cooling water flow.
1932	Generator	2004-03-29	2004-03-30	S.O.# 128575 in effect to perform cleaning on lower bracket.
2073	Cooling system	2004-06-06	2004-06-06	The unit tripped on thrust bearing, low cooling water. Trip is set to trip at 16 gal/min. This happens from time to time on the cooling water systems.Possibly the water control valves are creeping with vibration. We will try tightening the gland nuts and u
2122	Generator	2004-07-05	2004-07-05	RBK-G2 was shut down for brush gear maintenance under S/O # 129184.
2124	Bearings	2004-07-08	2004-07-08	S.O.#85367 in effect to change oil on lower guide & thrust bearing on RBK-G2.
2157	Generator	2004-08-01	2004-08-01	unit RBK-G2 failed to synchronize
2164	Turbine	2004-08-04	2004-08-04	RBK-G2 tripped and locked out. Tom Hanlon notified. Unit tripped on overspeed.
2166	Unknown	2004-08-06	2004-08-11	operator at plant call for start from scc unit when on line but tripped
2180	Cooling system	2004-08-14	2004-08-16	UNIT FAILED TO START- TURBINE COOLING WATER ALARM RESET
2191	Cooling system	2004-08-22	2004-08-22	RBK-G2-Alarm activated while trying to start unit. Byron Hayter notified. Turbine bearing water was the cause. Alarm reset and unit put on line.
2192	Cooling system	2004-08-23	2004-08-23	tried to place unit RBK-G2 on line, discrete command close timed out activated. Unit tripped on turbine cooling water.
2294	Cooling system	2004-10-14	2004-10-14	failed to start due to turbine cooling water
2295	Turbine	2004-10-16	2004-10-16	unit would not start remotely due to trip on turbine cooling alarm No follow up req'd
2300	Main Inlet Valve	2004-10-20	2004-10-20	check main valve
2328	Generator	2004-10-31	2004-10-31	to allow contractor to enter draft tube of RBK-G1 and re-shim the running. No follow up req'd

		Out Of	Return To	
Record	Asset Name	Service Date	Service Date	Description
2345	Generator	2004-11-08	2004-11-08	unit taken off line to allow contractor to make adjustments to RBK-G1. no follow up req'd.
2369	Cooling system	2004-11-22	2004-11-22	repairs to cooling water system. No follopw up Req'd
2409	Bearings	2004-12-10	2004-12-10	unit tripped on upper guide thrust bearing. Unit cooling water flow rates continue to cuase trips.
2549	Instrumentation / Controls	2005-02-10	2005-02-10	s.o.#130200 TO DO ELECTRICAL & MECHANICAL ENGINEERING ASSESSMENT OF RATTLING BROOK PLANT & TO CHECK NEXUS METERING
2557	Turbine	2005-02-15	2005-02-15	To inspect runners
2573	Generator	2005-02-17	2005-02-17	so 86188 and 86195 to repair leak in draft tube
2579	Instrumentation / Controls	2005-02-22	2005-02-22	RBK-G2 taken off line to replace nexus meter.No follow up req'd new meter checked ok.
2602	Exciter	2005-03-15	2005-03-15	Brush Gear maintenance. No followup req'd. regular maintenance
2603	Generator	2005-03-15	2005-03-17	unit will not sync. will check in morning This afternoon we had a problem synchronizing RBK-G2. Since we need only one machine now, it was decided to leave this until the morning when we will have Rick mercer and Kevin Gill troubleshoot this. Please do no
2708	Cooling system	2005-05-21	2005-05-21	unit tripped on Gland water flow strainers cleaned no follow up reqd.
2710	Cooling system	2005-05-23	2005-05-23	General alarm activated and unit tripped. Tom Hanlon notified. Unit tripped on gland water flow.
2733	Cooling system	2005-05-31	2005-05-31	to clean strainers no follow up reqd
2764	Governor	2005-06-13	2005-06-13	unit tripped while blowing off govenor
2817	Bearings	2005-07-15	2005-07-15	S.O.# 130826 in effect to change oil on RBK-G2 thrust and upper guide bearing.No follow up required
2818	Bearings	2005-07-15	2005-07-15	Unit tripped but never locked out.Unit tripped on upper guide bearing high oil level. Drained some oil.
2823	Cooling system	2005-07-16	2005-07-16	RBK-G2 tripped. Byron Hayter notified. Unit tripped on gland water flow. Flow adjusted and unit available.
2837	Unknown	2005-07-23	2005-07-23	UNIT LOCKED OUT AS WELL AS RBK-T1-B1 AND B2. No trouble found.Power restored, all appeared normal.
2855	Generator Power Transforr	2005-08-11	2005-08-11	S.O.# 130955 in effect to investigate and repair an oil leak in a low voltage bushing on RBK-T1. Also to investigate problem with temperature gauge.repairs made and RTD ordered for temperature guage
2923	Penstock	2005-09-23	2005-09-23	0830 toRBK: S/O # 131166 in effect to inspect Amy's gate/culvert/outlet channel and tailrace for RBK plant.
2953	Generator	2005-10-16	2005-10-19	lead burnt of from windings to contrl box

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
2972	Governor	2005-11-02	2005-11-04	1327 toRBK: S/O # 86973 in effect to check governor oil pump.
3050	Exciter	2005-12-07	2005-12-07	S.O.#131508 in effect to isolate RBK-G2 for brush gear maintenance.
3171	Trash Racks	2006-01-22	2006-01-25	ice build up
3245	Generator	2006-03-07	2006-03-10	S.O. # 131771 in effect to clean and paint head cover on RBK-G2.regular maintenance
3255	Unknown	2006-03-10	2006-03-10	S.O.#131821 in effect to isolate RBK-G2 for scheduled maintenance.
3266	Generator	2006-03-22	2006-03-22	RBK: S/O # 131913 in effect to perform brush gear maintenance on RBK-G2.
3324	Penstock	2006-05-10		S.O.# 130998 in effect to partially de-water RBK penstock below leak to make repairs and install plate.
3343	Cooling system	2006-05-16	2006-05-16	clean big strainor

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1026	Instrumentation / Controls	2003-01-19	2003-01-19	unit tripped off on brush temp temp okay
1046	Cooling system	2003-01-31	2003-01-31	Tripped on upper guide cooling
1055	Cooling system	2003-02-06	2003-02-06	RBK-G2 tripped on upper guide cooling water.□ RBK-G2 Alarm
1122	Turbine	2003-03-04	2003-03-04	Unit tripped and locked out.Unit tripped on Turbibe Vibration
1123	Turbine	2003-03-05	2003-03-05	Unit tripped and locked out.Unit tripped on Turbibe Vibration
1124	Turbine	2003-03-05	2003-03-05	Unit tripped and locked out.Unit tripped on Turbibe Vibration
1125	Cooling system	2003-03-05	2003-03-05	Unit tripped and locked out.□ cooling water flow
1148	Generator	2003-03-20	2003-03-21	Unit locked outUnit meggered before placing on line
1168	Instrumentation / Controls	2003-04-01	2003-04-02	Unit tripped and locked out on Master Shut Down
1169	Surge Tank	2003-04-04	2003-04-05	Unit shut to repair surge tank
1335	Generator	2003-06-16	2003-06-16	Unit tripped and locked outUnit tripped on slip ring temperature
1574	Surge Tank	2003-10-18	2003-10-20	S/O # 84235 to dewater penstock and check leaking manhole cover in surge tank Part of inspection work
1646	Cooling system	2003-11-19	2003-11-19	alarm on cooling G1 PMP notified & G2 locked out
1647	Cooling system	2003-11-19	2003-11-19	
1648	Generator	2003-11-19	2003-11-20	Unit tripped due to load limits at 100% on both units, and starving units of water.
1709	Cooling system	2003-12-12	2003-12-12	unit tripped and g2 alarm on. Unit tripped on upper cooling water fail.
1741	Cooling system	2003-12-26	2003-12-26	unit tripped and alarm on.Cooling water alarm.
1771	Generator Power Transformer	2004-01-08	2004-01-08	personel working on t1 caused the trip
1892	Cooling system	2004-03-11	2004-03-11	Unit tripped on gland cooling water.

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1921	Cooling system	2004-03-27	2004-03-27	Unit tripped on low cooling water flow.
2073	Cooling system	2004-06-06	2004-06-06	The unit tripped on thrust bearing, low cooling water. Trip is set to trip at 16 gal/min. This happens from time to time on the cooling water systems. Possibly the water control valves are creeping with vibration. We will try tightening the gland nuts and u
2157	Generator	2004-08-01	2004-08-01	unit RBK-G2 failed to synchronize
2164	Turbine	2004-08-04	2004-08-04	RBK-G2 tripped and locked out. Tom Hanlon notified. Unit tripped on overspeed.
2166	Unknown	2004-08-06	2004-08-11	operator at plant call for start from scc unit when on line but tripped
2180	Cooling system	2004-08-14	2004-08-16	UNIT FAILED TO START- TURBINE COOLING WATER ALARM RESET
2191	Cooling system	2004-08-22	2004-08-22	RBK-G2-Alarm activated while trying to start unit. Byron Hayter notified. Turbine bearing water was the cause. Alarm reset and unit put on line.
2192	Cooling system	2004-08-23	2004-08-23	tried to place unit RBK-G2 on line, discrete command close timed out activated. Unit tripped on turbine cooling water.
2294	Cooling system	2004-10-14	2004-10-14	failed to start due to turbine cooling water
2295	Turbine	2004-10-16	2004-10-16	unit would not start remotely due to trip on turbine cooling alarm No follow up req'd
2409	Bearings	2004-12-10		unit tripped on upper guide thrust bearing. Unit cooling water flow rates continue to cuase trips.
2708	Cooling system	2005-05-21	2005-05-21	unit tripped on Gland water flow strainers cleaned no follow up reqd.
2710	Cooling system	2005-05-23	2005-05-23	General alarm activated and unit tripped. Tom Hanlon notified. Unit tripped on gland water flow.
2764	Governor	2005-06-13	2005-06-13	unit tripped while blowing off govenor
2818	Bearings	2005-07-15	2005-07-15	Unit tripped but never locked out.Unit tripped on upper guide bearing high oil level. Drained some oil.
2823	Cooling system	2005-07-16	2005-07-16	RBK-G2 tripped. Byron Hayter notified. Unit tripped on gland water flow. Flow adjusted and unit available.
2837	Unknown	2005-07-23	2005-07-23	UNIT LOCKED OUT AS WELL AS RBK-T1-B1 AND B2. No trouble found.Power restored, all appeared normal.
2953	Generator	2005-10-16	2005-10-19	lead burnt of from windings to contrl box
3171	Trash Racks	2006-01-22	2006-01-25	ice build up