

Q. Re: Rocky Pond Plant Refurbishment (p. 2 of 81, Schedule B) - Provide for the last five years:

- 1. The particulars of maintenance costs in relation to this plant, with details in relation to the penstock,**
- 2. Maintenance logs,**
- 3. Inspection reports/assessments, and**
- 4. Outage reports with reasons.**

A. 1.0 Maintenance Costs

1.1 General

Table 1 includes the maintenance costs for Rocky Pond plant for the last 5 years.

**Table 1
Rocky Pond Plant
Maintenance Costs
(000s)**

2003	2004	2005	2006	2007
\$52	\$49	\$69	\$95	\$112

1.2 Penstock

In 2004 and 2005, plugging was carried out on the penstock as required to seal leaks as they were encountered. It is estimated that the cost of this was \$13,000 for each of these years.

In December 2005, the entire penstock was de-watered for one day to repair the main valve and facilitate the subsequent replacement of the wicket gate bushings on the turbine. Once the main valve was repaired the penstock was re-watered to allow work on the turbine to commence. Upon re-watering of the penstock a major blowout occurred. Total maintenance cost to repair the area of the blow out and to plug areas of significant leakage as a result of the de-watering is estimated at approximately \$33,000. This work was completed early in 2006.

In 2007, plugging was carried out on the entire penstock as required to repair leaks. It is estimated that the cost of this work totaled \$14,000.

In March 2008, the entire penstock was de-watered to repair a significant leak. Total penstock maintenance cost for 2008 is currently about \$10,000. The cost to year end is estimated at about \$16,000, which assumes the penstock does not need to be de-watered again.

2.0 Maintenance Logs

Attachment A contains the maintenance logs for the Rocky Pond plant for years 2003 to 2008.

3.0 Inspection Reports/Assessments

Attachment B contains the inspection reports and assessments that were completed for Rocky Pond for the years 2003 to 2008.

Enclosed in this Attachment are the Regular and In-house Dam Safety Inspections. The Regular Dam Safety Inspections are completed by the plant operating staff at Rocky Pond. The In-house Dam Safety Inspections are completed on a bi-annual basis by a civil engineer.

4.0 Outage Reports

Attachment C contains the outage reports for Rocky Pond for the years 2003 to 2008.

**Maintenance Logs for Rocky Pond Plant
2003 to 2008**

ROP: Lower Guide Bearing

Work Order	Work Order Title	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
24744	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken .	Yes
24744	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken .	Yes
24744	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken .	Yes
24744	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken .	Yes

ROP: Turbine

Work Order	Work Order Title	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
21033	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	7/18/2003	Oil Sampling & Analysis - Bearing	This bearing is water cooled. No oil sa	Yes
21033	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	7/18/2003	Oil Sampling & Analysis - Bearing	This bearing is water cooled. No oil sa	Yes
21033	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	7/18/2003	Oil Sampling & Analysis - Bearing	This bearing is water cooled. No oil sa	Yes
21033	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	7/18/2003	Oil Sampling & Analysis - Bearing	This bearing is water cooled. No oil sa	Yes
21033	Oil Sampling & Analysis - Bearing System	03 Preventive Maintenance (M3)	7/18/2003	Oil Sampling & Analysis - Bearing	This bearing is water cooled. No oil sa	Yes

ROP: Generator Rotor

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
83867	Check Brake Not Releasing Properly	Switching Order Preparation & Approval	ROP: AC Synchronous Generator Rotor	12 Isolation	11/5/2007		This unit has been operating like this in the past. Talking to the operators that worked there before 1975 and I operated there for five years, the brakes were always in that position. When the machine starts to move the brake will drop out of the w	Yes
83867	Check Brake Not Releasing Properly	Check Brake Not Releasing Properly	ROP: AC Synchronous Generator Rotor	03 Preventive Maintenance (M3)	11/5/2007	Brake pad directly over turbine discharge pump not fully releasing snaps down when pry bar applied probably spring or bolt tension to be adjusted may require a clearance to do this work.	This unit has been operating like this in the past. Talking to the operators that worked there before 1975 and I operated there for five years, the brakes were always in that position. When the machine starts to move the brake will drop out of the w	Yes
48103	Dress Slip Rings	Switching Order Preparation and Approval	ROP: AC Synchronous Generator Rotor	12 Isolation	3/1/2006	As per John Budgett, "Slip rings need to be dressed prior to energizing the unit" With the unit having been laid up for several months, the slip rings have become rusted and need to be cleaned. This will require a switching order to remove the break	OK	Yes
49103	Dress Slip Rings	Dress Slip Rings	ROP: AC Synchronous Generator Rotor	05 Repair	3/1/2008	As per John Budgett, "Slip rings need to be dressed prior to energizing the unit" With the unit having been laid up for several months, the slip rings have become rusted and need to be cleaned. This will require a switching order to remove the break	OK	Yes

There was no start up educational program in the logic for the
 various professions. Modified the ladder of knowledge
 and skills to 1.5 years of training and no selling and no
 sales up and down the ladder.

NOT Lower Guide Bearing

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Work Order	Work Order Title	Work Type	Date work completed	Description	Closing Comments	(Yes/No)	Closed
68075	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/22/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
68075	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/22/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
68075	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/22/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
68075	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/22/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
66718	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/20/2008	Powerhouse Crane Operational Inspection	ok	Yes	Yes
66718	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/20/2008	Powerhouse Crane Operational Inspection	ok	Yes	Yes
66718	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/20/2008	Powerhouse Crane Operational Inspection	ok	Yes	Yes
66718	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/20/2008	Powerhouse Crane Operational Inspection	ok	Yes	Yes
66718	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/20/2008	Powerhouse Crane Operational Inspection	ok	Yes	Yes
65938	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	2/20/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65938	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	2/20/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65938	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	2/20/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65938	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	2/20/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65938	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	2/20/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65104	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	1/21/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65104	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	1/21/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65104	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	1/21/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65104	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	1/21/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
65104	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	1/21/2008	Powerhouse Crane Operational Inspection	OK	Yes	Yes
64381	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	12/17/2007	Powerhouse Crane Operational Inspection	OK	Yes	Yes
64381	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	12/17/2007	Powerhouse Crane Operational Inspection	OK	Yes	Yes
64381	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	12/17/2007	Powerhouse Crane Operational Inspection	OK	Yes	Yes
64381	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	12/17/2007	Powerhouse Crane Operational Inspection	OK	Yes	Yes
64381	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	12/17/2007	Powerhouse Crane Operational Inspection	OK	Yes	Yes
64381	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	12/17/2007	Powerhouse Crane Operational Inspection	OK	Yes	Yes
64381	Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	12/17/2007	Powerhouse Crane Operational Inspection	OK	Yes	Yes
61281	Annual Overhead Crane Inspection	01 Inspection/Investigation	11/21/2007	According to CSA B167-56, we are required to have a qualified inspection company, inspect all overhead cranes at least annually.	This work was completed by Dover Crane.	Yes	Yes
61281	Annual Overhead Crane Inspection	01 Inspection/Investigation	11/21/2007	According to CSA B167-56, we are required to have a qualified inspection company, inspect all overhead cranes at least annually.	This work was completed by Dover Crane.	Yes	Yes

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ROP: Powerhouse Overhead Crane

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Work Order Title	Work Type	Data work completed	Description	Closing Comments	(Yes/No)
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	6/13/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	5/12/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	5/12/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	5/12/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/14/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/14/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/14/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/14/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	4/14/2005	Powerhouse Crane Operational Inspection	OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/15/2005	Powerhouse Crane Operational Inspection	Inspection done by maintenance crew. OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/15/2005	Powerhouse Crane Operational Inspection	Inspection done by maintenance crew. OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/15/2005	Powerhouse Crane Operational Inspection	Inspection done by maintenance crew. OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/15/2005	Powerhouse Crane Operational Inspection	Inspection done by maintenance crew. OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/15/2005	Powerhouse Crane Operational Inspection	Inspection done by maintenance crew. OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/4/2005	The overhead crane needs to have some preventive maintenance performed on it other than the normal visual inspection carried out by the PPM's. This will include cleaning, lubrication and operational checks.	THE TROLLY ON THE OVERHEAD CRANE HAS NO STOPS AT THE END OF THE MAIN BRIDGE. GOT MATERIAL FROM T.R.T. TO FABRICATE 4 STOPS. FABRICATE STOPS ON THURSDAY IN MOBILE WELDING SHOP. INSTALL ON FRIDAY. OK	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/23/2004	Powerhouse Crane Operational Inspection	Crane checked out ok no faults found.	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/23/2004	Powerhouse Crane Operational Inspection	Crane checked out ok no faults found.	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/23/2004	Powerhouse Crane Operational Inspection	Crane checked out ok no faults found.	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/23/2004	Powerhouse Crane Operational Inspection	Crane checked out ok no faults found.	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/23/2004	Powerhouse Crane Operational Inspection	Crane checked out ok no faults found.	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/23/2004	Powerhouse Crane Operational Inspection	Crane checked out ok no faults found.	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/18/2004	Powerhouse Crane Operational Inspection	Crane working	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/18/2004	Powerhouse Crane Operational Inspection	Crane working	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/18/2004	Powerhouse Crane Operational Inspection	Crane working	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/18/2004	Powerhouse Crane Operational Inspection	Crane working	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/18/2004	Powerhouse Crane Operational Inspection	Crane working	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/18/2004	Powerhouse Crane Operational Inspection	Crane working	Yes
Powerhouse Crane Operational Inspection	03 Preventive Maintenance (M3)	3/17/2003	Powerhouse Crane Operational Inspection	Unit off no s/s crew working on T-1 Unit off	Yes

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ROP Unit 1

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ROP Unit 1

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RECAP

Work Order #	Work Center Title	Entity Name	Work Type	Date work completed	Description	Cleaner Comments
34015	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	6/23/2004		1. Check heat ex burnin pln repair or replace. P-3 See work order 35708 Cleaned
34592	Oil Sampling & Analysis - Boasting System	RCP; Rocky Pond Plant Unit 1	03 Preventive Maintenance (M3)	6/23/2004		Sample received
34592	Oil Sampling & Analysis - Boasting System	RCP; Rocky Pond Plant Unit 1	03 Preventive Maintenance (M3)	6/23/2004		Sample received
34592	Oil Sampling & Analysis - Boasting System	RCP; Rocky Pond Plant Unit 1	03 Preventive Maintenance (M3)	6/23/2004		Sample received
33992	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	6/12/2004		Plant checked ok
33992	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	6/12/2004		Plant checked ok
33992	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	6/12/2004		Plant checked ok
3357	Replace Burnt Lighting Arrestors in Fuse Box	RCP; Rocky Pond Plant Unit 1	05 Repair	7/20/2004	Checked lightning arrestors in burnt Z located burnt so I replaced them but they check OK. Checked lightning arrestors in secondary area they check OK. Broke with keys call the guys the lightning arrestors are not rated for the voltage we are placing on it.	
33704	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	7/13/2004		Unit shut (no water) No faults found
33704	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	7/13/2004		Unit shut (no water) No faults found
33704	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	7/13/2004		Unit shut (no water) No faults found
33048	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	6/18/2004		Gov. he still sickling. John Curran is in discussions with M. Jandrian regarding possibly follow up work for this.
33048	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	6/18/2004		Gov. he still sickling. John Curran is in discussions with M. Jandrian regarding possibly follow up work for this.
33048	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	6/18/2004		Gov. he still sickling. John Curran is in discussions with M. Jandrian regarding possibly follow up work for this.
32556	Generating Equipment Operational Inspection (6-month)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	5/16/2004	Check glands on main valve for leakage. F-4 Change out burnt lighting arrestors in fuse box. P-2 Oil leaking around decum tank check P-2	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.
32556	Generating Equipment Operational Inspection (6-month)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	5/16/2004	Check glands on main valve for leakage. F-4 Change out burnt lighting arrestors in fuse box. P-2 Oil leaking around decum tank check P-2	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.
32255	Generating Equipment Operational Inspection (6-month)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	5/16/2004	Check glands on main valve for leakage. F-4 Change out burnt lighting arrestors in fuse box. P-2 Oil leaking around decum tank check P-2	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.
32255	Generating Equipment Operational Inspection (6-month)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	5/16/2004	Check glands on main valve for leakage. F-4 Change out burnt lighting arrestors in fuse box. P-2 Oil leaking around decum tank check P-2	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.
32232	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	5/14/2004	Stand looking on both sides of main valves, inspect. P-3 See work order	Stand looking on both sides of main valves, inspect. P-3 See work order
32232	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	5/14/2004	Stand looking on both sides of main valves, inspect. P-3 See work order	Stand looking on both sides of main valves, inspect. P-3 See work order
32110	Investigate Line Trip and Failure to Reset after Lightning Strike	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	4/16/2004	The line tripped due to a lightning strike but was unable to reset. We need to investigate and determine the cause of the problem.	Ebp Ratchet found in down base on forestry kno to wash rack trip
31809	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	4/14/2004	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.
31809	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	4/14/2004	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.
31098	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	4/14/2004	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.
31098	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	4/14/2004	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.
31098	Generating Equipment Visual Inspection (monthly)	RCP; Rocky Pond Plant Unit 1	01 inspection/investigation	4/14/2004	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.	Oil leak around main piston on gov. check. P-3 Replace gels on road to plant. P-2 Temp. oil burner needs adjusting. P-2 Temp. oil burner needs adjusting. Fan over watch door no cooling in. Ebp temp. alarm on.

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Work Order	Work Order Title	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
47014	Emergency Repairs Required for Rocky Pond Forebay Dam	05 Repair	2/3/2006	As per Tony Chiswell, emergency dam repairs are required at Rocky Pond Forebay Dam. This will require a general contractor to repair erosion damage caused by recent wind and rain storm. This may require cutting the power to the forebay for the backhoe	Cost for contractor \$3200.00 not sure of work date. OK	Yes
47014	Emergency Repairs Required for Rocky Pond Forebay Dam	05 Repair	2/3/2006	As per Tony Chiswell, emergency dam repairs are required at Rocky Pond Forebay Dam. This will require a general contractor to repair erosion damage caused by recent wind and rain storm. This may require cutting the power to the forebay for the backhoe	Cost for contractor \$3200.00 not sure of work date. OK	Yes
47014	Emergency Repairs Required for Rocky Pond Forebay Dam	05 Repair	2/3/2006	As per Tony Chiswell, emergency dam repairs are required at Rocky Pond Forebay Dam. This will require a general contractor to repair erosion damage caused by recent wind and rain storm. This may require cutting the power to the forebay for the backhoe	Cost for contractor \$3200.00 not sure of work date. OK	Yes
27119	Dam Safety Operator Inspection	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK	Yes
27119	Dam Safety Operator Inspection	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK	Yes
27119	Dam Safety Operator Inspection	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK	Yes
26974	Forebay Dam Silt Walkabout	01 Inspection/Investigation	10/7/2003	Forebay Dam Silt Walkabout	OK	Yes
26974	Forebay Dam Silt Walkabout	01 Inspection/Investigation	10/7/2003	Forebay Dam Silt Walkabout	OK	Yes
26974	Forebay Dam Silt Walkabout	01 Inspection/Investigation	10/7/2003	Forebay Dam Silt Walkabout	OK	Yes
24930	Forebay Dam Silt Walkabout	01 Inspection/Investigation	9/3/2003	Forebay Dam Silt Walkabout	Dam in good condition	Yes
24930	Forebay Dam Silt Walkabout	01 Inspection/Investigation	9/3/2003	Forebay Dam Silt Walkabout	Dam in good condition	Yes
24930	Forebay Dam Silt Walkabout	01 Inspection/Investigation	9/3/2003	Forebay Dam Silt Walkabout	Dam in good condition	Yes
22830	Forebay Dam Silt Walkabout	01 Inspection/Investigation	8/27/2003	Forebay Dam Silt Walkabout	OK ok	Yes
22830	Forebay Dam Silt Walkabout	01 Inspection/Investigation	8/27/2003	Forebay Dam Silt Walkabout	OK ok	Yes
22830	Forebay Dam Silt Walkabout	01 Inspection/Investigation	8/27/2003	Forebay Dam Silt Walkabout	OK ok	Yes
21090	Forebay Dam Silt Walkabout	01 Inspection/Investigation	7/29/2003	Brush is P3 Trash Racks may be an operational issue. If not then P3 closed.	Cut brush & trees on main dam, downstream. P4 Trashracks at Cape Pond should be cleaned, some driftwood on racks. This should be done while elev. is done and gate is closed.	Yes
21090	Forebay Dam Silt Walkabout	01 Inspection/Investigation	7/29/2003	Brush is P3 Trash Racks may be an operational issue. If not then P3 closed.	Cut brush & trees on main dam, downstream. P4 Trashracks at Cape Pond should be cleaned, some driftwood on racks. This should be done while elev. is done and gate is closed.	Yes
21090	Forebay Dam Silt Walkabout	01 Inspection/Investigation	7/29/2003	Brush is P3 Trash Racks may be an operational issue. If not then P3 closed.	Cut brush & trees on main dam, downstream. P4 Trashracks at Cape Pond should be cleaned, some driftwood on racks. This should be done while elev. is done and gate is closed.	Yes

ROP Remote Control System

Work Order	Work Order Title	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
41845	Investigate/Repair Cooling Water Trip	01 Inspection/Investigation	5/5/2005	Unit tripped twice on cooling water flow. Need to inspect cooling water solenoids and replace if required.	replace two solenoids for heating cooling water, also replaced gasket on cooling water strainer down in valve pit. Completed as requested. Solenoids sticking on cooling line. Replaced with solenoids from shop. The replacement ones were the same type as th	Yes
41845	Investigate/Repair Cooling Water Trip	01 Inspection/Investigation	5/6/2005	The unit tripped on cooling water flow twice. We need to inspect the cooling water solenoids and replace if necessary.	OK	Yes

ROP Protective Relays

Work Order	Work Order Title	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
544B3	Investigate Undervoltage Sensitivity At ROP	01 Inspection/Investigation	5/12/2008	As per John Curran: "We need to investigate the undervoltage sensitivity at Rocky Pond. This came to light recently when Chamberlains 01 was lost and this caused the plant to trip. Kevin Gill notes that the problem lies in the fact that the system is	This was investigated by Paul Sharron and a number of recommendations to correct the problem were submitted for review on 2008 05 19 (see attached email). Substation Work Request No. 8834 was created by Jeremy Decker on 2008 05 12 for Ted Nofall to review	Yes

ROP Powerhouse Ventilation System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
46303	Repair Louvers	ROP: Powerhouse Ventilation System	05 Repair	10/13/2005	John Party identified that one set of louvers in the building are not closing and rain is getting in on the rotor as it is out on the floor. It appears that the problem is with a bent arm on the louver operator. We need to further investigate and repair.	REPLACE 14 IN ROD WITH NEW ROD. THE OTHER ROD WAS BENT UP. OK	Yes
33243	Install Mounting Bracket for Exhaust Fan Motor	ROP: Powerhouse Ventilation System	08 Installation	8/24/2004	This is follow up from work order 32284 task 2.		Yes
32284	Inspect Building Exhaust Fans	ROP: Powerhouse Ventilation System	05 Repair	5/25/2004	The motor for the exhaust fan above the entrance door needs to be secured to the mounting bracket as it is currently loose. As well, the belt on the other exhaust fan needs to be replaced.	Inspected both fans and found that the one by the entrance door has looseness in the mounting bracket that holds the motor. The fan over the office needs a new belt #A32 two have been purchased at a cost of \$3.95 each. This needs to be replaced as	Yes
32284	Inspect Building Exhaust Fans	ROP: Powerhouse Ventilation System	01 Inspection/Investigation	4/20/2004	The building exhaust fans need to be inspected to check for proper operation including condition of belts and shaft and motor bearings.	Inspected both fans and found that the one by the entrance door has looseness in the mounting bracket that holds the motor. The fan over the office needs a new belt #A32 two have been purchased at a cost of \$3.95 each. This needs to be replaced as	Yes
31268	Replace Fan Drive Belt	ROP: Powerhouse Ventilation System	05 Repair	3/3/2004	Visual inspection, from floor level, of fan over entrance side of building, indicated that the belt appears to be loose and slipping. Belt may require adjustment or belt replacement. Confirm control parameters of new electric actuators and make adjustments as required.	Belt replaced on fan. Order two new belts for fans V80 14- Power new V belt 13-1120 A42	Yes
29163	Install Power Supply for Building Louvre Actuators	ROP: Powerhouse Ventilation System	09 Acceptance Testing	1/13/2004			Yes
29163	Install Power Supply for Building Louvre Actuators	ROP: Powerhouse Ventilation System	08 Installation	10/30/2003	Install power supply for electric actuators on new louvers.		Yes

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
48276	Clear Blocked Drain Pipe at Exterior of Building	RCP: Powerhouse Building Services	03 Preventive Maintenance (M3)		As per Larry Lundgren from work order 48276, the drain pipe outside the building next to the door, has been blocked for quite some time and needs to be cleared. This will require a general contractor with pumps to drain the pipe and enable them to clear.		No
49765	Motion Detector Not Connected Properly	RCP: Powerhouse Building Services	05 Repair	3/28/2008	Pat.....the infrared at Rocky Pond is not working properly. The motion is active on the keypad but is not actually being tripped, when you trip it the motion then fault clear. Could be an open or closed circuit problem.	Motion detector working ok but it should be moved to another location. The door chain is directly in front of the sensor and could cause problems if the chain should move . Moved motion detector away from door chain. OK	Yes
45460	Install Temporary Heat	RCP: Powerhouse Building Services	06 Modification - Non-capital	9/27/2005	We have to install some temporary convection heaters, repair existing lighting & install temporary feed for construction trailer.	4800 watt heaters connected with cables so they can be moved around to different areas in plant when necessary. Turbine and valve pit blowers connected. Strip heaters under RCP-6 stator turned on	Yes
50472	Replace Window Glass in Rocky Pond Plant	RCP: Powerhouse Building Structure	05 Repair	4/25/2006	While Pat C'Keane and I were at the plant, we noticed that the window in the Rocky Pond plant was broken.	Window Replace by Contractor. OK	Yes
31970	Identify and Label AC/DC Panels	RCP: Powerhouse Electrical System	06 Modification - Non-capital		We have an infrared heater doing nothing now. It used to be for the strollers but since the mechanic moved the strollers, the heater never got changed. Please create a work order for the heater to be moved to the new location.	Heater will be a safety hazard if re-located to new location of strollers. I suggest we remove heater from existing location and install heat tracing on new piping in plant when necessary. The original heat trace will have to be re-installed as it was not properly installed.	Yes
63614	Move 1/8" Heater Over Cooling Water Fillers	RCP: Powerhouse Electrical System	06 Modification - Non-capital	10/22/2007	We have to install a GFI receptacle & about 12 ft of liquid tight flex in pit.	As well when we are completing heat runs on the machine (next week), I would like to have Pat visit to complete infrared tracing at the plant including the generator, switchgear and substation.	Yes
48057	Thermocouple Required	RCP: Powerhouse Electrical System	08 Acceptance Testing	3/8/2008	Installation required.	New capacitors are two bushing type and are slightly bigger than the original ones. The switchgear bus bar used to connect the old capacitors will not line up with the new ones. Fixable leads will have to be installed and one hole drilled and tapped for the alarm.	Yes
40976	Check Intruder Alarm	RCP: Powerhouse Electrical System	01 Inspection/Investigation	4/6/2005	RCP: Intruder alarm intermittent. Billy Hayes notified. Problem with alarm system. This problem has been on going for sometime know.	The alarm on the panel came from the motion sensor. This was probably caused by the crane hook which was left in front of the sensor. OK	Yes
40437	Install New Capacitors	RCP: Powerhouse Electrical System	08 Installation	5/3/2005	Prepare Switching Order to install capacitors.	Completed SO. OK	Yes
40437	Install New Capacitors	RCP: Powerhouse Electrical System	12 Isolation	3/18/2005	This is follow up from work order 35473 as per Ron Diamond.	Completed as requested. Will check seal on next visit.	Yes
36539	Plug Unused Conduit	RCP: Powerhouse Electrical System	05 Repair	1/13/2004	As per the recent PUB ruling on NL and H's rule application, NP is required to provide Hydros 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	Switching order complete	Yes
35010	Plant Metering - Silo Inspection	RCP: Powerhouse Electrical System	07 Project - Capital	10/27/2004	As per the recent PUB ruling on NL and H's rule application, NP is required to provide Hydros 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	Switching order complete	Yes
35010	Plant Metering - Silo Inspection	RCP: Powerhouse Electrical System	07 Project - Capital	10/27/2004	As per the recent PUB ruling on NL and H's rule application, NP is required to provide Hydros 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	Switching order complete	Yes
35010	Plant Metering - Silo Inspection	RCP: Powerhouse Electrical System	07 Project - Capital	10/27/2004	As per the recent PUB ruling on NL and H's rule application, NP is required to provide Hydros 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	Switching order complete	Yes
35010	Plant Metering - Silo Inspection	RCP: Powerhouse Electrical System	07 Project - Capital	10/27/2004	As per the recent PUB ruling on NL and H's rule application, NP is required to provide Hydros 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	Switching order complete	Yes

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
35010	Plant Metering - Silo Inspection	RCP: Powerhouse Electrical System	07 Project - Capital	10/27/2004	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	Switching order complete	Yes
35010	Plant Metering - Silo Inspection	RCP: Powerhouse Electrical System	07 Project - Capital	10/27/2004	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	Switching order complete	Yes
35010	Plant Metering - Silo Inspection	RCP: Powerhouse Electrical System	07 Project - Capital	10/27/2004	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	Switching order complete	Yes
35010	Plant Metering - Silo Inspection	RCP: Powerhouse Electrical System	12 Isolation	10/20/2004	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 d	Switching order complete	OK
35287	Motion Detector Not Working Properly	RCP: Powerhouse Electrical System	01 Inspection/Investigation	8/28/2004	On Fri Sept 10 V Rochoa disconnected the motion detector because it was causing a false trip at SCC. Problem seems to be detector. There may be a new detector at shop.	Replaced keypad and door sensor.	Yes
31970	Identify and Label AC/DC Panels	RCP: Powerhouse Electrical System	08 Modification - Non-capital	5/25/2004	We will have to first identify the correct circuits and put temporary labels in place while we are waiting for permanent labeling to be completed. This was a safety deficiency identified in past safety meetings.	Completed as requested. Completed as requested.	Yes
31970	Identify and Label AC/DC Panels	RCP: Powerhouse Electrical System	08 Modification - Non-capital	5/25/2004	We will have to first identify the correct circuits and put temporary labels in place while we are waiting for permanent labeling to be completed. This was a safety deficiency identified in past safety meetings.	Completed as requested. Completed as requested.	Yes
31970	Identify and Label AC/DC Panels	RCP: Powerhouse Electrical System	08 Modification - Non-capital	5/25/2004	We will have to first identify the correct circuits and put temporary labels in place while we are waiting for permanent labeling to be completed. This was a safety deficiency identified in past safety meetings.	Completed as requested. Completed as requested.	Yes
65565	Spetic System Frozen	RCP: Powerhouse Plumbing	05 Repair	1/29/2008	The spetic is frozen & the pipe is broken outside the plant over the tail race.	The existing spetic system field is saturated with water and is out of service until spring when we can make permtable repairs.	Yes
65565	Spetic System Frozen	RCP: Powerhouse Plumbing	05 Repair	1/29/2008	The spetic is frozen & the pipe is broken outside the plant over the tail race.	The existing spetic system field is saturated with water and is out of service until spring when we can make permtable repairs.	Yes
65565	Spetic System Frozen	RCP: Powerhouse Plumbing	05 Repair	1/29/2008	The spetic is frozen & the pipe is broken outside the plant over the tail race.	The existing spetic system field is saturated with water and is out of service until spring when we can make permtable repairs.	Yes
65565	Spetic System Frozen	RCP: Powerhouse Plumbing	05 Repair	1/29/2008	The spetic is frozen & the pipe is broken outside the plant over the tail race.	The existing spetic system field is saturated with water and is out of service until spring when we can make permtable repairs.	Yes
65565	Spetic System Frozen	RCP: Powerhouse Plumbing	05 Repair	1/29/2008	The spetic is frozen & the pipe is broken outside the plant over the tail race.	The existing spetic system field is saturated with water and is out of service until spring when we can make permtable repairs.	Yes
65565	Spetic System Frozen	RCP: Powerhouse Plumbing	05 Repair	1/29/2008	The spetic is frozen & the pipe is broken outside the plant over the tail race.	The existing spetic system field is saturated with water and is out of service until spring when we can make permtable repairs.	Yes
48302	Repair Washroom Water Supply	RCP: Powerhouse Plumbing	05 Repair	2/1/2008	As per Bill Tilford, "The washroom water supply at RCP is not working and is shut off.(water on the floor around the washroom) It is possible that a water line located along the east perimeter wall inside the plant may have frozen and ruptured."	OK	Yes

ROP Air Compressor

[illegible]

ROP Air Compressor

[illegible]

Work Order	Work Order Title	Entity Name	Work Type	Date Work Completed	Description	Closing Comments (Yes/No)
70571	Dewater ROP Penslock and Plug Major Leaks	ROP: Penslock	05 Repair		According to Todd, the penslock has several major leaks that need to be repaired now. In order to repair penslock to do so.	No
70387	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation		Penslock Silo Walkabout	No
69352	Plug Leak in ROP Penslock	ROP: Penslock	05 Repair		Leak in Penslock about 25 feet from the intake to be repaired	No
67532	Repairs Required to Penslock Due to Blow Out	ROP: Penslock	05 Repair		As per Todd Hynes: "The wood slave penslock in the immediate area of the blow-out of March 9, 2008 is very soft and when time permits we should put re-inforcing plates along the action on both sides." CD	No
64285	Replace Damaged Penslock Bands	ROP: Penslock	05 Repair		As per work order 62846 from Larry Lundgren, there are four penslock bands let go below the bridge and eleven above the bridge. These should either be repaired or replaced. This should be a P4 as per John Curran.	No
66696	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	5/14/2008	Penslock Silo Walkabout	ok
66696	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	5/14/2008	Penslock Silo Walkabout	ok
66122	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	4/15/2008	Penslock Operator Inspection	numfous leaks
66122	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	4/15/2008	Penslock Operator Inspection	numfous leaks
66754	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	3/14/2008	Penslock Silo Walkabout	numfous leaks and ice covered
66754	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	3/14/2008	Penslock Silo Walkabout	numfous leaks and ice covered
65165	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	1/16/2008	Penslock Silo Walkabout	numfous leaks and ice covered
63728	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	1/13/2007	Penslock Silo Walkabout	ok
63728	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	1/13/2007	Penslock Silo Walkabout	ok
62168	Install Culvert and Ditching at New Access Road	ROP: Penslock	06 Modification - Non-capital	10/23/2007	Due to the heavy leakage in the penslock at ROP, we are seeing water in the substation and around it as well as in the plant in the power cables trench. In order to rectify this, Gary Murray suggests installing a culvert in the new access road behind the	Yes
62168	Install Culvert and Ditching at New Access Road	ROP: Penslock	06 Modification - Non-capital	10/23/2007	Due to the heavy leakage in the penslock at ROP, we are seeing water in the substation and around it as well as in the plant in the power cables trench. In order to rectify this, Gary Murray suggests installing a culvert in the new access road behind the	Yes
62168	Install Culvert and Ditching at New Access Road	ROP: Penslock	06 Modification - Non-capital	10/23/2007	Due to the heavy leakage in the penslock at ROP, we are seeing water in the substation and around it as well as in the plant in the power cables trench. In order to rectify this, Gary Murray suggests installing a culvert in the new access road behind the	Yes
62168	Install Culvert and Ditching at New Access Road	ROP: Penslock	06 Modification - Non-capital	10/23/2007	Due to the heavy leakage in the penslock at ROP, we are seeing water in the substation and around it as well as in the plant in the power cables trench. In order to rectify this, Gary Murray suggests installing a culvert in the new access road behind the	Yes
62168	Install Culvert and Ditching at New Access Road	ROP: Penslock	06 Modification - Non-capital	10/23/2007	Due to the heavy leakage in the penslock at ROP, we are seeing water in the substation and around it as well as in the plant in the power cables trench. In order to rectify this, Gary Murray suggests installing a culvert in the new access road behind the	Yes
62845	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/4/2007	Penslock Operator Inspection	ok
62845	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/4/2007	Penslock Operator Inspection	ok
62845	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/4/2007	Penslock Operator Inspection	ok
62826	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	8/12/2007	Penslock Silo Walkabout	ok
Work Order	Work Order Title	Entity Name	Work Type	Date Work Completed	Description	Closing Comments (Yes/No)

Work Order	Work Order Title	Title	Entity Name	Work Type	Date Work completed	Description	Closing Comments	(Yes/No)	Closed
42626	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	8/12/2007	Penslock Silo Walkabout	OK	Yes	
60364	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	7/25/2007	Penslock Silo Walkabout	pipelines is very leaked, drain down by plant is not Penslock. 6273 Clear Blocked Drain Pipe at Exterior of Building. WCF# 52026 Leaks Full Length	Yes	
58268	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	4/18/2007	Penslock Operator Inspection	ice covered numerous leaks best to wait for ice to melt in order to approach pipe to fix	Yes	
58268	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	4/18/2007	Penslock Operator Inspection	ice covered numerous leaks best to wait for ice to melt in order to approach pipe to fix	Yes	
58268	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	4/18/2007	Penslock Operator Inspection	ice covered numerous leaks best to wait for ice to melt in order to approach pipe to fix	Yes	
58073	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	1/11/2007	Penslock Silo Walkabout	lost off leaks OK	Yes	
58073	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	1/11/2007	Penslock Silo Walkabout	lost off leaks OK	Yes	
53708	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/4/2006	Penslock Operator Inspection	form 762 done OK	Yes	
53708	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/4/2006	Penslock Operator Inspection	form 762 done OK	Yes	
53708	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/4/2006	Penslock Operator Inspection	form 762 done OK	Yes	
51431	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	7/13/2006	Penslock Silo Walkabout	penslock is being plug OK	Yes	
51431	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	7/13/2006	Penslock Silo Walkabout	penslock is being plug OK	Yes	
48288	Leakage Full Length of Penstock	Leakage Full Length of Penstock	ROP: Penslock	08 Repair	7/37/2008	Assigned to Perry Murray, there is a bit of leaking at the penstock. We have a contractor on site and the scope of the work is to repair the penstock.		Yes	
49225	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	5/15/2008	Penslock Operator Inspection	John Curran has been notified and is making arrangements for general contractor to repair. He will notify planning when final decision on repairs has been made.	Yes	
49225	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	5/15/2008	Penslock Operator Inspection	John Curran has been notified and is making arrangements for general contractor to repair. He will notify planning when final decision on repairs has been made.	Yes	
47455	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	1/12/2006	Penslock Silo Walkabout	Some Leaks Pipe block door by plant See work order 48276	Yes	
47455	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	1/12/2006	Penslock Silo Walkabout	Some Leaks Pipe block door by plant See work order 48276	Yes	
44872	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/21/2005	Penslock Operator Inspection	OK	Yes	
44872	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/21/2005	Penslock Operator Inspection	OK	Yes	
44872	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	10/21/2005	Penslock Operator Inspection	OK	Yes	
44836	Plug Head Gate and Dewater Penslock	Switching Order Preparation and Approval, Penslock Dewatering	ROP: Penslock	12 Isolation	8/1/2005	Was hard to shut the head gate and dewater the penslock for maintenance on the wicket gate bushings and for a diving crew to plug the head gate to stop or slow the leakage. For this, we need two separate switching orders.	Mistake should be Task 3 OK	Yes	
42527	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	7/27/2005	Penslock Silo Walkabout	OK	Yes	
42527	Penslock Silo Walkabout	Penslock Silo Walkabout	ROP: Penslock	01 Inspection/Investigation	7/27/2005	Penslock Silo Walkabout	OK	Yes	

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Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments (Yes/No)
24798	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	9/15/2003	Penslock Operator Inspection	Two bands let go on penslock, 100-150 feet upstream of bridge. 1. REPLACE BANDS THAT ARE LET GO. P-3 This work is covered under work order#28666
24798	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	9/15/2003	Penslock Operator Inspection	Two bands let go on penslock, 100-150 feet upstream of bridge. 1. REPLACE BANDS THAT ARE LET GO. P-3 This work is covered under work order#28666
24798	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	9/15/2003	Penslock Operator Inspection	Two bands let go on penslock, 100-150 feet upstream of bridge. 1. REPLACE BANDS THAT ARE LET GO. P-3 This work is covered under work order#28666
24798	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	9/15/2003	Penslock Operator Inspection	Two bands let go on penslock, 100-150 feet upstream of bridge. 1. REPLACE BANDS THAT ARE LET GO. P-3 This work is covered under work order#28666
24798	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	9/15/2003	Penslock Operator Inspection	Two bands let go on penslock, 100-150 feet upstream of bridge. 1. REPLACE BANDS THAT ARE LET GO. P-3 This work is covered under work order#28666
24798	Penslock Operator Inspection	Penslock Operator Inspection	ROP: Penslock	01 Inspection/Investigation	9/15/2003	Penslock Operator Inspection	Two bands let go on penslock, 100-150 feet upstream of bridge. 1. REPLACE BANDS THAT ARE LET GO. P-3 This work is covered under work order#28666
22717	Penslock Site Walkabout	Penslock Site Walkabout	ROP: Penslock	01 Inspection/Investigation	8/21/2003	Penslock Site Walkabout	ok some leaks in pipeline This is captured under third work request #1529
22717	Penslock Site Walkabout	Penslock Site Walkabout	ROP: Penslock	01 Inspection/Investigation	8/21/2003	Penslock Site Walkabout	ok some leaks in pipeline This is captured under third work request #1529
22717	Penslock Site Walkabout	Penslock Site Walkabout	ROP: Penslock	01 Inspection/Investigation	8/21/2003	Penslock Site Walkabout	ok some leaks in pipeline This is captured under third work request #1529
22717	Penslock Site Walkabout	Penslock Site Walkabout	ROP: Penslock	01 Inspection/Investigation	8/21/2003	Penslock Site Walkabout	ok some leaks in pipeline This is captured under third work request #1529
21067	Penslock Site Walkabout	Penslock Site Walkabout	ROP: Penslock	01 Inspection/Investigation	8/21/2003	Penslock Site Walkabout	Leaks in pipe to be repaired. P4 Few soft places in pipe. Put plates on soft places. P4 Fall on pipeline in front of gatehouse needs painting. P4 some leaks in pipeline Pipeline leaks will be covered under held work request #1529 Galah
21067	Penslock Site Walkabout	Penslock Site Walkabout	ROP: Penslock	01 Inspection/Investigation	8/21/2003	Penslock Site Walkabout	Leaks in pipe to be repaired. P4 Few soft places in pipe. Put plates on soft places. P4 Fall on pipeline in front of gatehouse needs painting. P4 some leaks in pipeline Pipeline leaks will be covered under held work request #1529 Galah
21067	Penslock Site Walkabout	Penslock Site Walkabout	ROP: Penslock	01 Inspection/Investigation	8/21/2003	Penslock Site Walkabout	Leaks in pipe to be repaired. P4 Few soft places in pipe. Put plates on soft places. P4 Fall on pipeline in front of gatehouse needs painting. P4 some leaks in pipeline Pipeline leaks will be covered under held work request #1529 Galah

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Work Order	Work Order Title	Entity Name	Work Type	Date Work completed	Description	Closing Comments	Closed
22902	ROP1 Main Inlet Valve Inspection	ROP1 Main Inlet Buttery Valve	01 Inspection/Investigation	8/28/2003	ROP1 Main Inlet Valve Inspection	Heaters in valve pit and turbine pit not working. Valve pit area needs cleaning/painting. The inspection of the heaters is covered under work order #20502 and the valve pit cleaning is covered under work order #20503	Yes
22902	ROP1 Main Inlet Valve Inspection	ROP1 Main Inlet Buttery Valve	01 Inspection/Investigation	8/28/2003	ROP1 Main Inlet Valve Inspection	Heaters in valve pit and turbine pit not working. Valve pit area needs cleaning/painting. The inspection of the heaters is covered under work order #20502 and the valve pit cleaning is covered under work order #20503	Yes
22902	ROP1 Main Inlet Valve Inspection	ROP1 Main Inlet Buttery Valve	01 Inspection/Investigation	8/28/2003	ROP1 Main Inlet Valve Inspection	Heaters in valve pit and turbine pit not working. Valve pit area needs cleaning/painting. The inspection of the heaters is covered under work order #20502 and the valve pit cleaning is covered under work order #20503	Yes
22902	ROP1 Main Inlet Valve Inspection	ROP1 Main Inlet Buttery Valve	01 Inspection/Investigation	8/28/2003	ROP1 Main Inlet Valve Inspection	Heaters in valve pit and turbine pit not working. Valve pit area needs cleaning/painting. The inspection of the heaters is covered under work order #20502 and the valve pit cleaning is covered under work order #20503	Yes
22902	ROP1 Main Inlet Valve Inspection	ROP1 Main Inlet Buttery Valve	01 Inspection/Investigation	8/28/2003	ROP1 Main Inlet Valve Inspection	Heaters in valve pit and turbine pit not working. Valve pit area needs cleaning/painting. The inspection of the heaters is covered under work order #20502 and the valve pit cleaning is covered under work order #20503	Yes
22902	ROP1 Main Inlet Valve Inspection	ROP1 Main Inlet Buttery Valve	01 Inspection/Investigation	8/28/2003	ROP1 Main Inlet Valve Inspection	Heaters in valve pit and turbine pit not working. Valve pit area needs cleaning/painting. The inspection of the heaters is covered under work order #20502 and the valve pit cleaning is covered under work order #20503	Yes
22902	ROP1 Main Inlet Valve Inspection	ROP1 Main Inlet Buttery Valve	01 Inspection/Investigation	8/28/2003	ROP1 Main Inlet Valve Inspection	Heaters in valve pit and turbine pit not working. Valve pit area needs cleaning/painting. The inspection of the heaters is covered under work order #20502 and the valve pit cleaning is covered under work order #20503	Yes
22902	ROP1 Main Inlet Valve Inspection	ROP1 Main Inlet Buttery Valve	01 Inspection/Investigation	8/28/2003	ROP1 Main Inlet Valve Inspection	Heaters in valve pit and turbine pit not working. Valve pit area needs cleaning/painting. The inspection of the heaters is covered under work order #20502 and the valve pit cleaning is covered under work order #20503	Yes

	Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed Yes(No)
44038	Plug Head Gals and Dewater Penslock	Switching Order Preparation and Approval, Diving Crew	RCP: Intake Gate Structure	12 Isolation	6/14/2005	We need to shut the head gate and dewater the penslock for maintenance on the wicket gate bushings and for a diving crew to plug the head gate to stop or slow the leakage. For this, we need two separate switching orders.	Mistake should be Task 3 OK	Mistake should be Task 3 Mistake should be Task 3 OK	Yes
44039	Plug Head Galo and Dewater Penslock	Pug Head Gale and Dewater Penslock	RCP: Intake Gate Structure	12 Isolation	6/7/2005	In order to carry out repairs/preventive maintenance on the wicket gate bushings in the turbine, we need to have a diving crew attempt to plug the head gate to stop or slow the leakage. When this is complete, the PFM can then dewater the penslock for the	Mistake should be Task 3 OK	Mistake should be Task 3 OK	Yes
44036	Pug Head Gale and Dewater Penslock	Pug Head Gale and Dewater Penslock	RCP: Intake Gate Structure	12 Isolation	6/7/2005	In order to carry out repairs/preventive maintenance on the wicket gate bushings in the turbine, we need to have a diving crew attempt to plug the head gate to stop or slow the leakage. When this is complete, the PFM can then dewater the penslock for the	Mistake should be Task 3 OK	Mistake should be Task 3 OK	Yes
44035	Pug Head Gale and Dewater Penslock	Pug Head Gale and Dewater Penslock	RCP: Intake Gate Structure	12 Isolation	6/7/2005	In order to carry out repairs/preventive maintenance on the wicket gate bushings in the turbine, we need to have a diving crew attempt to plug the head gate to stop or slow the leakage. When this is complete, the PFM can then dewater the penslock for the	Mistake should be Task 3 OK	Mistake should be Task 3 OK	Yes
44030	Pug Head Gale and Dewater Penslock	Pug Head Gale and Dewater Penslock	RCP: Intake Gate Structure	12 Isolation	6/7/2005	In order to carry out repairs/preventive maintenance on the wicket gate bushings in the turbine, we need to have a diving crew attempt to plug the head gate to stop or slow the leakage. When this is complete, the PFM can then dewater the penslock for the	Mistake should be Task 3 OK	Mistake should be Task 3 OK	Yes
44028	Pug Head Gale and Dewater Penslock	Pug Head Gale and Dewater Penslock	RCP: Intake Gate Structure	12 Isolation	6/7/2005	In order to carry out repairs/preventive maintenance on the wicket gate bushings in the turbine, we need to have a diving crew attempt to plug the head gate to stop or slow the leakage. When this is complete, the PFM can then dewater the penslock for the	Mistake should be Task 3 OK	Mistake should be Task 3 OK	Yes
44025	Pug Head Gale and Dewater Penslock	Pug Head Gale and Dewater Penslock	RCP: Intake Gate Structure	12 Isolation	6/7/2005	In order to carry out repairs/preventive maintenance on the wicket gate bushings in the turbine, we need to have a diving crew attempt to plug the head gate to stop or slow the leakage. When this is complete, the PFM can then dewater the penslock for the	Mistake should be Task 3 OK	Mistake should be Task 3 OK	Yes
43147	Pug Head Gale and Dewater Penslock	Pug Head Gale and Dewater Penslock	RCP: Intake Gate Structure	12 Isolation	7/21/2005	We need to shut the head gate and dewater the penslock for maintenance on the wicket gate bushings and for a diving crew to plug the head gate to stop or slow the leakage. For this, we need two separate switching orders.	\$1500, for divers Seaforce Diving CIC		Yes
43147	Pug Head Gale and Dewater Penslock	Switching Order Preparation and Approval, Diving Crew	RCP: Intake Gate Structure	12 Isolation	7/21/2005	We need to shut the head gate and dewater the penslock for maintenance on the wicket gate bushings and for a diving crew to plug the head gate to stop or slow the leakage. For this, we need two separate switching orders.			Yes

Work Order	Work Order Title	Title	Entry Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
35115	Inspect Intake Gate	Inspect Intake Gate	RCP: Intake Gate	01 Inspection/Investigation		When the mechanics attempted to do some work on the intake gate closed light recently, they were unable to get the light along with the fact that the main valve also does not close lightly, prevented		No
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
62020	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	10/30/2007	Intake Operational Test	note gate not operated due to condition pf pipeline	Yes
44184	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	9/7/2005	Intake Operational Test	OK	Yes
44184	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	9/7/2005	Intake Operational Test	OK	Yes
44184	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	9/7/2005	Intake Operational Test	OK	Yes
44184	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	9/7/2005	Intake Operational Test	OK	Yes
44184	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	9/7/2005	Intake Operational Test	OK	Yes
44184	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	9/7/2005	Intake Operational Test	OK	Yes
44184	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	9/7/2005	Intake Operational Test	OK	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes
32881	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	12 Isolation	7/15/2004	Switching Order preparation/approval	switching order complete # 129260.	Yes
32881	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	12 Isolation	7/15/2004	Switching Order preparation/approval	switching order complete # 129260.	Yes
32881	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	12 Isolation	7/15/2004	Switching Order preparation/approval	switching order complete # 129260.	Yes
32882	Intake Operational Test	Intake Operational Test	RCP: Intake Gate	03 Preventive Maintenance (M3)	7/19/2004	Intake Operational Test	Headgate closed to drain penstock. A lot of leakage around gate when closed. Repair or replace headgate. PG See Work Request 3139	Yes

ROP Instrumentation

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
50544	ROP Instrumentation	Commission Instrumentation Components	ROP: Instrumentation	07 Project - Capital	2/23/2007	Install and commission (1) sensors for the slip trips. Install and commission voltage and frequency transducers for the B.R.V. bus. Install and commission vibration probes and drives. The well requires an electrical work methodology to complete the work.	All completed. Frequency transducer for the B.R.V. bus to be replaced as the present transducer is not accurate. Please refer to the attached report for details. Old transducer sent to manufacturer. 1 hour left, 1 hour technician. Old transducer sent to manufacturer.	Yes
50981	Investigate PH Flood Alarm	Investigate PH Flood Alarm	ROP: Instrumentation	01 Inspection/Investigation	12/14/2008	This alarm occurred on Wednesday night. Alarm blower was asked to go to the plant. He did and reset the alarm and the well was placed back on line and there have been no problems since.	Check up pit level switch found that it was faulty install new LV 10 level switch also installed pump pump trip. Motor's made up bracket & put hose out through lower. Power to pump with extension cord temporary. We have to install GFI receptacle & disconnect.	Yes
51020	Investigate PH Flood Alarm	Investigate PH Flood Alarm	ROP: Instrumentation	01 Inspection/Investigation	01/12/2009	The alarm occurred on Sunday night. Dan Blumhagen was asked to go to the tent. He did and reset the alarm and the unit was placed back on line. The alarm reset is apparent that it was a false alarm. The alarm reset is apparent that it was a false alarm.	bell on compressor house, replaced belt assist pump. loudspeaker alarm to operate	Yes
61184	Replace VaneView HMI Hardware	Replace VaneView HMI Hardware	ROP: Instrumentation	06 Modification - Non-capital	06/01/2008	As per work order. This must be completed with the busy day. The alarm occurred on Sunday night. Alarm blower was asked to go to the plant. He did and reset the alarm and the well was placed back on line and there have been no problems since.	PH	Yes
50544	ROP Instrumentation	Commission Instrumentation Components	ROP: Instrumentation	07 Project - Capital	7/1/2008	Install and commission (1) sensors for the slip trips. Install and commission voltage and frequency transducers for the B.R.V. bus. Install and commission vibration probes and drives. The well requires an electrical work methodology to complete the work.	Installed 11 sensors on slip trips and reconnected to plc.	Yes
57076	Oil Level Limit Switch/Transducer Functional/Calibration Check	Oil Level Limit Switch Functional Check	ROP: Instrumentation	09 Acceptance Testing	12/22/2005	Refer to calibration certificate attached.	refer to calibration certificate attached.	Yes
57078	Oil Level Limit Switch/Transducer Functional/Calibration Check	Oil Level Limit Switch Functional Check	ROP: Instrumentation	09 Acceptance Testing	12/22/2005	Refer to calibration certificate attached.	refer to calibration certificate attached.	Yes
57079	Oil Level Limit Switch/Transducer Functional/Calibration Check	Oil Level Limit Switch Functional Check	ROP: Instrumentation	09 Acceptance Testing	12/22/2005	Refer to calibration certificate attached.	refer to calibration certificate attached.	Yes
57079	Oil Level Limit Switch/Transducer Functional/Calibration Check	Oil Level Limit Switch Functional Check	ROP: Instrumentation	09 Acceptance Testing	12/22/2005	Refer to calibration certificate attached.	refer to calibration certificate attached.	Yes
20754	Program Modification Required	Program Modification Required	ROP: Instrumentation	08 Modification - Non-capital	11/2/2004	The processor failure is completed, however it is my opinion that the alarm reset is apparent that it was a false alarm. The alarm reset is apparent that it was a false alarm.	Investigation Result: Due to a Teflon coupler being worn the speed switch device was receiving a pulsing signal. This signal variation may have caused the brakes to apply intermittently. I have made program modifications introducing a 5 sec time out.	Yes

ROF Hydroalcoholic Tincture

[illegible]

ROP Hydroelectric Turbine

[illegible]

ROP: Governor Control System

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
40874	Unit Not Going To Full Load Electrically	Unit Not Going To Full Load Electrically	ROP: Governor Control System	01 Inspection/Investigation	4/12/2003	I was in the plant yesterday and the gate opening was approximately 65 %. we need to check to see if the electrical limits are set properly.	John Parry advised the load limit was acceptable range was too low, maximum entry was 3200 and this could be obtained at approx. 95 % gate. While Alrum Engineering's programmer (Paul) was on site to repair other deficiencies he addressed the issue as well.	Yes
24210	Investigate / Repair Cause of Excessive Leaking	Investigate / Repair Leak	ROP: Governor Control System	05 Repair	8/22/2003	Leak at governor power piston.	changed pilot valve Terry Beares an employee of CNR also Worked for 1 Hour	Yes
24210	Investigate / Repair Cause of Excessive Leaking	Investigate / Repair Leak	ROP: Governor Control System	05 Repair	8/22/2003	Leak at governor power piston.	changed pilot valve Terry Beares an employee of CNR also Worked for 1 Hour	Yes
24210	Investigate / Repair Cause of Excessive Leaking	Investigate / Repair Leak	ROP: Governor Control System	05 Repair	8/22/2003	Leak at governor power piston.	changed pilot valve Terry Beares an employee of CNR also Worked for 1 Hour	Yes

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
33826	Governor & Wicket Gate Repairs	Load Rejection Test	ROP: Gale Shaft Governor	05 Repair		The gate link bushings are showing slop and need to be replaced as well as the pins checked and replaced as required. Those parts may have to be made locally. Load rejection test	Preparation and Approval of Switching Order. Removed gate links from wicket gates. Removed gate links from wicket gates. Took measurements of gate link bushings and pins to see what the difference was. Gave measurements to John Budgett and then he sent	Yes
33826	Governor & Wicket Gate Repairs	Load Rejection Test	ROP: Gale Shaft Governor	05 Repair		The gate link bushings are showing slop and need to be replaced as well as the pins checked and replaced as required. Those parts may have to be made locally. Load rejection test	Preparation and Approval of Switching Order. Removed gate links from wicket gates. Removed gate links from wicket gates. Took measurements of gate link bushings and pins to see what the difference was. Gave measurements to John Budgett and then he sent	Yes
22223	Replace Relay Valve/Governor Actuator	Switching Order Preparation and Approval	ROP: Gale Shaft Governor	05 Repair		Switching order is already prepared.	CHECKED PRESSURE BY 10.85 PROBLEM NOT CORRECTED GOVERNOR ACTUATOR TO BE REPLACED RELAY VALVE INCREASED	Yes
66752	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	3/11/2008	Oil Sampling & Analysis - Governor	Samples received.	Yes
66752	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	3/11/2008	Oil Sampling & Analysis - Governor	Samples received.	Yes
66752	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	3/11/2008	Oil Sampling & Analysis - Governor	Samples received.	Yes
66752	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	3/11/2008	Oil Sampling & Analysis - Governor	Samples received.	Yes
66752	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	3/11/2008	Oil Sampling & Analysis - Governor	Samples received.	Yes
64553	Inspect Governor Pumping Unit To Determine If Flood Assembly Is Working Properly	Inspect Governor Pumping Unit To Determine If Flood Assembly Is Working Properly	ROP: Gale Shaft Governor	01 Inspection/Investigation	11/26/2007	Who need to determine if the flood assembly is oxidant in the unit and if so, is it working properly. If it is found that there is no flood assembly, then we will need to either install one, if possible, and if not possible, advise John Curran as that is still working. The unit at roc have to be drilled to take along with the air to know if did work while in service, but all the pressure would taken and installed on rocky pond unit. This assembly	Received 2007/09/17	Yes
62014	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	6/13/2007	Oil Sampling & Analysis - Governor	Received 2007/09/17	Yes
62014	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	6/13/2007	Oil Sampling & Analysis - Governor	Received 2007/09/17	Yes
62014	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	6/13/2007	Oil Sampling & Analysis - Governor	Received 2007/09/17	Yes
62014	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	6/13/2007	Oil Sampling & Analysis - Governor	Received 2007/09/17	Yes
62014	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gale Shaft Governor	03 Preventive Maintenance (M3)	6/13/2007	Oil Sampling & Analysis - Governor	Received 2007/09/17	Yes
59626	Overhaul Governor	Overhaul Governor	ROP: Gale Shaft Governor	05 Repair	5/16/2007	Governor overhaul, regular maintenance.	ROP was visited by Brian Walters and Gov. was put through its cycle with the generator. This Gov. was overhauled 2-3 yrs. prior to this visit and everything ran ok with no issues Brian Walters was happy with the operation of the Gov.	Yes
58626	Overhaul Governor	Overhaul Governor	ROP: Gale Shaft Governor	05 Repair	5/16/2007	Governor overhaul, regular maintenance.	ROP was visited by Brian Walters and Gov. was put through its cycle with the generator. This Gov. was overhauled 2-3 yrs. prior to this visit and everything ran ok with no issues Brian Walters was happy with the operation of the Gov.	Yes
59026	Overhaul Governor	Overhaul Governor	ROP: Gale Shaft Governor	05 Repair	5/16/2007	Governor overhaul, regular maintenance.	ROP was visited by Brian Walters and Gov. was put through its cycle with the generator. This Gov. was overhauled 2-3 yrs. prior to this visit and everything ran ok with no issues Brian Walters was happy with the operation of the Gov.	Yes
59626	Overhaul Governor	Overhaul Governor	ROP: Gale Shaft Governor	05 Repair	5/16/2007	Governor overhaul, regular maintenance.	ROP was visited by Brian Walters and Gov. was put through its cycle with the generator. This Gov. was overhauled 2-3 yrs. prior to this visit and everything ran ok with no issues Brian Walters was happy with the operation of the Gov.	Yes
59626	Overhaul Governor	Overhaul Governor	ROP: Gale Shaft Governor	05 Repair	5/16/2007	Governor overhaul, regular maintenance.	ROP was visited by Brian Walters and Gov. was put through its cycle with the generator. This Gov. was overhauled 2-3 yrs. prior to this visit and everything ran ok with no issues Brian Walters was happy with the operation of the Gov.	Yes
59626	Overhaul Governor	Overhaul Governor	ROP: Gale Shaft Governor	05 Repair	5/16/2007	Governor overhaul, regular maintenance.	ROP was visited by Brian Walters and Gov. was put through its cycle with the generator. This Gov. was overhauled 2-3 yrs. prior to this visit and everything ran ok with no issues Brian Walters was happy with the operation of the Gov.	Yes

[illegible]

ROP: Gate Shaft Governor

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
39150	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	3/20/2005	Oil Sampling & Analysis - Governor	Received 2005-03-31	Yes
39150	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	3/20/2005	Oil Sampling & Analysis - Governor	Received 2005-03-31	Yes
39460	Repair Gate Limit Switch Assembly	Repair Gate Limit Switch Assembly	ROP: Gate Shaft Governor	05 Repair	1/21/2005	This is follow up from work order 39460. Ron Osmond and Kevin Gill recommend that we repair the existing Cam and re-install it. This will allow us the extra time needed for a Technician to investigate the possibility of having a transducer installed a	Activity 1 completed as requested. Completed assist in gate limit setup and testing for activity 4. Completed as requested. Modified cam (as per activity 1) could not be installed because of shape and physical size. Unable to modify on site. Removed ca	Yes
39460	Repair Gate Limit Switch Assembly	Repair Gate Limit Switch Assembly	ROP: Gate Shaft Governor	05 Repair	1/21/2005	This is follow up from work order 39460. Ron Osmond and Kevin Gill recommend that we repair the existing Cam and re-install it. This will allow us the extra time needed for a Technician to investigate the possibility of having a transducer installed a	Activity 1 completed as requested. Completed assist in gate limit setup and testing for activity 4. Completed as requested. Modified cam (as per activity 1) could not be installed because of shape and physical size. Unable to modify on site. Removed ca	Yes
39460	Repair Gate Limit Switch Assembly	Repair Gate Limit Switch Assembly	ROP: Gate Shaft Governor	05 Repair	1/21/2005	This is follow up from work order 39460. Ron Osmond and Kevin Gill recommend that we repair the existing Cam and re-install it. This will allow us the extra time needed for a Technician to investigate the possibility of having a transducer installed a	Activity 1 completed as requested. Completed assist in gate limit setup and testing for activity 4. Completed as requested. Modified cam (as per activity 1) could not be installed because of shape and physical size. Unable to modify on site. Removed ca	Yes
39460	Repair Gate Limit Switch Assembly	Repair Gate Limit Switch Assembly	ROP: Gate Shaft Governor	05 Repair	1/21/2005	This is follow up from work order 39460. Ron Osmond and Kevin Gill recommend that we repair the existing Cam and re-install it. This will allow us the extra time needed for a Technician to investigate the possibility of having a transducer installed a	Activity 1 completed as requested. Completed assist in gate limit setup and testing for activity 4. Completed as requested. Modified cam (as per activity 1) could not be installed because of shape and physical size. Unable to modify on site. Removed ca	Yes
39342	Adjust Starting Gate Limit	Investigate Why Field Breaker Stayed Closed	ROP: Gate Shaft Governor	08 Modification - Non-capital	10/29/2004	While adjusting the starting gate limit, Kevin Gill noted that the field breaker stayed closed when the unit tripped when it should have opened. We need to investigate further to determine the cause and make recommendations for repairs.	gate limit can be readjusted. Completed as requested. Unit switch actuator loose and out of adjustment. Re-adjusted limit switch and unit ran up locally and by SCC. Follow up suggested: 1. Remove gate limit switch assembly and replace/repair actuator	Yes
39342	Adjust Starting Gate Limit	Adjust Starting Gate Limit	ROP: Gate Shaft Governor	08 Modification - Non-capital	10/21/2004	Lockout alarm activated during startup of unit. Kevin Hawkins notified. Unit tripped on over speed. Lockout reset and while trying to put unit online the same thing happened again. Kevin Gill investigated and found that the starting gate limit needs to be	gate limit can be readjusted. Completed as requested. Unit switch actuator loose and out of adjustment. Re-adjusted limit switch and unit ran up locally and by SCC. Follow up suggested: 1. Remove gate limit switch assembly and replace/repair actuator	Yes
33828	Governor & Wicket Gate Repairs	Governor & Wicket Gate Repair	ROP: Gate Shaft Governor	05 Repair	10/1/2004	The gate link bushings are showing slop and need to be replaced as well as the pins checked and replaced as required. These parts may have to be made locally.	Preparation and Approval of Switching Order. Removed gate links from wicket gates. Removed gate links from wicket gates. Took measurements of gate link bushings and pins to see what the difference was. Gave measurements to John Budgell and then he sent	Yes
34560	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	9/23/2004	Oil Sampling & Analysis - Governor	Sample taken Sample Retrieved	Yes
34560	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	9/23/2004	Oil Sampling & Analysis - Governor	Sample taken Sample Retrieved	Yes
34560	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	9/23/2004	Oil Sampling & Analysis - Governor	Sample taken Sample Retrieved	Yes
34560	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	9/23/2004	Oil Sampling & Analysis - Governor	Sample taken Sample Retrieved	Yes
34560	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	9/23/2004	Oil Sampling & Analysis - Governor	Sample taken Sample Retrieved	Yes
33828	Governor & Wicket Gate Repairs	Preparation & Approval of Switching Order	ROP: Gate Shaft Governor	05 Repair	7/30/2004	The gate link bushings are showing slop and need to be replaced as well as the pins checked and replaced as required. These parts may have to be made locally/Lead rejection (94).	Preparation and Approval of Switching Order. Removed gate links from wicket gates. Removed gate links from wicket gates. Took measurements of gate link bushings and pins to see what the difference was. Gave measurements to John Budgell and then he sent	Yes
32310	Investigate Governor Oil Leaks	Investigate Governor Oil Leaks	ROP: Gate Shaft Governor	01 Inspection/Investigation	4/10/2004	Peta has indicated that the governor appears to be leaking oil and it seems to be deteriorating on a daily basis. We need to investigate to determine the cause and make repairs as necessary.	It appears that the oil was really coming from the relay valve. It was leaking about 2-4 drops per minute and after cleaning it only leaked one drop per minute. After three days it was checked and only six ounces had leaked and this is well within the acceptable	Yes
30927	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	3/22/2004	Oil Sampling & Analysis - Governor	Ok	Yes
30927	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	3/22/2004	Oil Sampling & Analysis - Governor	Ok	Yes
30927	Oil Sampling & Analysis - Governor	Oil Sampling & Analysis - Governor	ROP: Gate Shaft Governor	03 Preventive Maintenance (M3)	3/22/2004	Oil Sampling & Analysis - Governor	Ok	Yes

ROP: Gate Shaft Governor

[illegible]

[illegible]

ROP: Gate Staff Governor

[illegible]

ROP: Gate Shaft Governor

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Year/Mo)
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
21131	ROP1 Governor Weekly Visual Inspection	ROP1 Governor Weekly Visual Inspection	ROP: Gate Shaft Governor	01 Inspection/Investigation	7/18/2003	ROP1 Governor Weekly Visual Inspection	Work being done ongoing. small oil leaks around tank, one leak in valve on sight glass & one in filler pipe. Gov. sticking. SCC can't raise or lower load. Repair leaks in gov. acccum. tank. P4.	Yes
22223	Replace Relay Valve/Governor Actuator	De-energizs Unit	ROP: Gate Shaft Governor	05 Repair	7/17/2003		REPLACED RELAY VALVE INCREASED PRESSURE BY 10LBS PROBLEM NOT CORRECTED GOVERNOR ACTUATOR TO BE CHECKED	Yes
22223	Replace Relay Valve/Governor Actuator	Replaces Valva	ROP: Gate Shaft Governor	05 Repair	7/17/2003		This will also require the use of a Puller to remove sleeve. The Puller will have to be fabricated by outside Machine Shop. A new Relay Valve is also required, but is available at the maintenance shop. REPLACED RELAY VALVE INCREASED PRESSURE BY 10LBS PROBLEM NOT CORRECTED GOVERNOR ACTUATOR TO BE CHECKED	Yes

ROP: Forebay Water Level Gauge

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
71118	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation		Water Level Transducer Calibration Check		No
70304	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation		Water Level Transducer Calibration Check		No
52186	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	6/16/2008	Water Level Transducer Calibration Check	plant 400.1 forbay 400.1 Closed duplicate task as well as recommended by Sandy Flynn.	Yes
48484	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	5/22/2008	Water Level Transducer Calibration Check	pic 400.01 gatehouse 400.0	Yes
60851	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	4/16/2008	Water Level Transducer Calibration Check	plant 400.1 gatehouse 400.1	Yes
60002	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	3/20/2008	Water Level Transducer Calibration Check	pic 399.5 pic 399.5	Yes
60737	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	3/20/2008	Water Level Transducer Calibration Check	ok	Yes
65950	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	2/21/2008	Water Level Transducer Calibration Check	pic 400.7 rep gatehouse 400.8	Yes
65122	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	1/16/2008	Water Level Transducer Calibration Check	ok	Yes
64400	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	12/18/2007	Water Level Transducer Calibration Check	forbay 400.1 plant 398.8	Yes
93713	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	11/16/2007	Water Level Transducer Calibration Check	forbay 400.0 plant 400.0	Yes
62905	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	10/23/2007	Water Level Transducer Calibration Check	pic 400.67 gatehouse 401.0= .04 difference	Yes
61809	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	9/21/2007	Water Level Transducer Calibration Check	plant 399.4 forbay 399.4	Yes
61170	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	8/21/2007	Water Level Transducer Calibration Check	forbay 401.0 plant 400.9	Yes
60331	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	7/28/2007	Water Level Transducer Calibration Check	forbay 398.8 plant 398.8	Yes
60853	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	6/21/2007	Water Level Transducer Calibration Check	forbay 403.0 plant 400.0	Yes
58087	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	6/21/2007	Water Level Transducer Calibration Check	plant 394.0 forbay 394.1	Yes
58237	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	4/10/2007	Water Level Transducer Calibration Check	pic 399.3 rep gatehouse 399.3=0 difference	Yes
57538	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	3/21/2007	Water Level Transducer Calibration Check	pic 399.1 tops reading 399.1	Yes
58017	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	3/12/2007	Water Level Transducer Calibration Check	pic 399.3 forbay 399.1	Yes
58795	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	12/16/2006	Water Level Transducer Calibration Check	plant 399.0 forbay 400.0 OK	Yes
58040	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	12/16/2006	Water Level Transducer Calibration Check	ok	Yes
54033	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	11/28/2006	Water Level Transducer Calibration Check	plant 400.0 forbay 400.7 OK	Yes
53077	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	10/20/2006	Water Level Transducer Calibration Check	pic 399.0 gatehouse 399.1= 2 difference OK	Yes
52972	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	9/20/2006	Water Level Transducer Calibration Check	plant 398.0 forbay 398.2	Yes
52166	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	8/29/2006	Water Level Transducer Calibration Check	plant 400.1 forbay 400.3 Closed duplicate task as well as recommended by Sandy Flynn.	Yes
51308	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	7/25/2006	Water Level Transducer Calibration Check	OK	Yes
50972	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	7/15/2006	Water Level Transducer Calibration Check	forbay 400.4 plant 400.8 OK	Yes
50325	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	5/24/2006	Water Level Transducer Calibration Check	400.7 at forbay and on pic ok OK	Yes
49105	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	5/15/2006	Water Level Transducer Calibration Check	.1 difference ok	Yes
45562	Modify Trash Rack Alarm Trip	Modify Trash Rack Alarm Trip	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	3/23/2006	As per Ron Odomed: " Forbay trash rack cable service condition wire is in poor condition and needs to be replaced. The BK and ground of doing this we can eliminate the 400 cable by installing the same type of system we have at HCT."	Completed wiring changes as per K Gill. OK	Yes
47418	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	1/20/2006	Water Level Transducer Calibration Check	OK	Yes
46771	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	12/21/2005	Water Level Transducer Calibration Check	OK	Yes
46770	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	11/21/2005	Water Level Transducer Calibration Check	Plant down due to fire. OK	Yes
44101	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	9/20/2005	Water Level Transducer Calibration Check	OK	Yes
43244	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	8/20/2005	Water Level Transducer Calibration Check	OK	Yes
42463	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	7/27/2005	Water Level Transducer Calibration Check	OK	Yes
41059	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	5/20/2005	Water Level Transducer Calibration Check	OK	Yes
40228	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	4/22/2005	Water Level Transducer Calibration Check	OK	Yes
39110	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	ROP: Forebay Water Level Gauge	01 Inspection/Investigation	3/22/2005	Water Level Transducer Calibration Check	Water checked ok. OK	Yes

RDP: Forebay Water Level Gauges

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Y/N)
37009	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	21/02/2005	Water Level Transducer Calibration Check	OK	Yes
37435	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	12/02/2005	Water Level Transducer Calibration Check	Checked found 2 fuses blown at forebay shack & 2 fuses blown at plant. Lightning arresters are in bad shape we need to make a decision on what type of lightning protection wire going to use at the plant in the future I don't think we can get the type	Yes
37862	Investigate Why Forebay Water Level is Reading Incorrectly	Investigate Why Forebay Water Level is Reading Incorrectly	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	12/03/2004	The unit tripped when 20 L went down and when it came back up, the water level at the forebay would not read correctly. PPM's replaced several fuses but there was no change. According to Pat O'Keefe, the set up for this system is a little different than		Yes
38973	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	12/21/2004	Water Level Transducer Calibration Check	Elv checked at gatehouse and plant. ok	Yes
38973	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	12/21/2004	Water Level Transducer Calibration Check	Elv checked at gatehouse and plant. ok	Yes
38980	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	11/25/2004	Water Level Transducer Calibration Check	OK	Yes
38222	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	10/22/2004	Water Level Transducer Calibration Check	Levels checked ok	Yes
38222	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	10/22/2004	Water Level Transducer Calibration Check	Levels checked ok	Yes
34546	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	09/23/2004	Water Level Transducer Calibration Check	Levels checked at spill and plant. ok	Yes
34546	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	09/23/2004	Water Level Transducer Calibration Check	Levels checked at spill and plant. ok	Yes
33880	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	09/23/2004	Water Level Transducer Calibration Check	Levels checked	Yes
33880	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	09/23/2004	Water Level Transducer Calibration Check	Levels checked	Yes
33566	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	08/24/2004	Water Level Transducer Calibration Check	Levels checked	Yes
33566	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	7/19/2004	Water Level Transducer Calibration Check	OK	Yes
33566	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	7/19/2004	Water Level Transducer Calibration Check	OK	Yes
32940	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	02/25/2004	Water Level Transducer Calibration Check	Forebay 400.6 Plant 400.8	Yes
32940	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	02/25/2004	Water Level Transducer Calibration Check	Forebay 400.6 Plant 400.0	Yes
32173	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	05/19/2004	Water Level Transducer Calibration Check	OK	Yes
32173	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	05/19/2004	Water Level Transducer Calibration Check	OK	Yes
31953	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	05/19/2004	Water Level Transducer Calibration Check	Elv. checked in gatehouse & plant. OK	Yes
31853	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	05/19/2004	Water Level Transducer Calibration Check	Elv. checked in gatehouse & plant. OK	Yes
30804	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	4/20/2004	Water Level Transducer Calibration Check	Water in plant and forebay checked. OK	Yes
30804	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	4/20/2004	Water Level Transducer Calibration Check	Water in plant and forebay checked. OK	Yes
30513	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	3/24/2004	Water Level Transducer Calibration Check	Levels checked ok	Yes
30513	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	3/24/2004	Water Level Transducer Calibration Check	Levels checked ok	Yes
28809	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	21/02/2004	Water Level Transducer Calibration Check	Elv checked at plant and forebay ok	Yes
28809	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	21/02/2004	Water Level Transducer Calibration Check	Elv checked at plant and forebay ok	Yes
28480	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	12/02/2004	Water Level Transducer Calibration Check	Water levels checked ok in plant and forebay.	Yes
28480	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	12/16/2003	Water Level Transducer Calibration Check	Water levels checked ok in plant and forebay.	Yes
28020	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	11/24/2003	Water Level Transducer Calibration Check		Yes
28020	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	11/24/2003	Water Level Transducer Calibration Check	OK	Yes
28707	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	10/24/2003	Water Level Transducer Calibration Check	OK	Yes
28707	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	10/24/2003	Water Level Transducer Calibration Check	aka out in plant due to work being done on t-1 elev at forebay 401.9	Yes
24659	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	09/25/2003	Water Level Transducer Calibration Check	aka out in plant due to work being done on t-1 elev at forebay 401.9	Yes
24659	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	09/25/2003	Water Level Transducer Calibration Check	aka out in plant due to work being done on t-1 elev at forebay 401.9	Yes
22946	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	8/18/2003	Water Level Transducer Calibration Check	ok	Yes
22946	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	8/18/2003	Water Level Transducer Calibration Check	ok	Yes
20870	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	7/24/2003	Water Level Transducer Calibration Check	OK Plant - 308.7 Forebay - 300.6	Yes
20870	Water Level Transducer Calibration Check	Water Level Transducer Calibration Check	RDP: Forebay Water Level Gauge	01 Inspection/Investigation	7/24/2003	Water Level Transducer Calibration Check	OK Plant - 308.7 Forebay - 308.0	Yes

ROP: Forebay Water Level Control System

Work Order	Work Order Title	Title	Entity Name	Work Type	Date Work Completed	Description	Client Comments	Client Feedback
07523	Modify PLC Program Due To Transducer Failure When Reading Greater Than 20m.A.	Modify PLC Program Due To Transducer Failure When Reading Greater Than 20m.A.	ROP: Forebay Water Level Control System	00 Modification - Non-capital	01/02/2008	PLC Program indicates a critical transducer failure when water level is high. The transducer is located in the trash rack area and has been replaced. The PLC program needs to be updated to reflect this change.	Changed the Analog scaling function (referencing 15) for less than 2000 and greater than 20000. It was set at 20000.	Yes
07524	Check status of Forebay Cable Pairs	Check status of Forebay Cable Pairs	ROP: Forebay Water Level Control System	01 Inspection/Investigation	31/12/2008	Check status of the cable pairs used for Trash Rack Blocked, A/C Failed and for the water level probe.	The cable is a six pair cable with three used (Trash Rack, Water Level, and A/C Failed). The remaining three pairs check out fine. The cable is in good condition and the water level probe is functioning and located in the side.	Yes
07525	Forebay Cable Repair Required	Forebay Cable Repair Required	ROP: Forebay Water Level Control System	05 Repair	31/12/2008	The Forebay Cable looks like it is on the ground. Location is approximately 3-4 meters in from the bridge at Rocky Point.	Cable re-connected by Andrew. He installed cable. Chip cable is at the end of the cable. The cable is in good condition and the water level probe is functioning and located in the side.	Yes
07526	Check Water Level Signal	Check Water Level Signal	ROP: Forebay Water Level Control System	01 Inspection/Investigation	30/2/2009	Loss of Forebay Signal Caused a shutdown and lockout of unit during start-up. Investigation led to signal, check if delay timer is set correctly.	Type B. 300ms to add a delay time and also change the moving average analog input from 1 sample to possibly 1000 samples. I will try and get a better feel for this when on site. 12 second delay	Yes
09149	Connect New Cable Pair For A/C Fail	Connect New Cable Pair For A/C Fail	ROP: Forebay Water Level Control System	05 Repair	31/12/2008	There is a problem with the A/C fail for the Trash Rack. The cable is not connected. The A/C fail for the Trash Rack has been connected. The A/C fail for the Trash Rack has been connected. The A/C fail for the Trash Rack has been connected.	Completed as requested. OK	Yes
1618	Trash Rack Probe	Trash Rack Probe	ROP: Forebay Water Level Control System	01 Inspection/Investigation	4/2/2009	From time to time the water level indication causes a lockout. They appear to be a difference in ground potential although they are connected to the same ground. The ground is not connected to the same ground. The ground is not connected to the same ground.	WC to be created.	Yes
21324	Investigate Why Low Water Indication Causes a Lockout When There is Activity in Low Water	Investigate Why Low Water Indication Causes a Lockout When There is Activity in Low Water	ROP: Forebay Water Level Control System	01 Inspection/Investigation	4/2/2009	Investigate why low water indication causes a lockout when there is activity in low water. The low water indication is caused by a problem with the low water indication. The low water indication is caused by a problem with the low water indication.	In this case it was found that a low water alarm & the previous problem when difference in ground potential has been corrected with the same ground. The ground is not connected to the same ground.	Yes

ROP Field Breaker

Work Order	Work Order Title	Title	Entity Name	Work Type	Data work completed	Description	Closing Comments	Closed (Yes/No)
31920	Clean Switch Mechanism	Clean Switch Mechanism	ROP: Field Circuit Breaker	03 Preventive Maintenance (M3)		Check mechanism of 41(field bkr) control switch and clean/repair as necessary. The switch is operating but seems to be binding when operated in the trip direction. Generator will have to be off line because 41cs will have to be operated.	Checked out switch when moved to the trip position switch makes scrunching noise trying to find replacement for same. The old switch is still working.	Yes
38531	Install New Field Breaker Trip/Close Coil	Install New Field Breaker Trip/Close Coil	ROP: Field Circuit Breaker	08 Installation	1/17/2005	The field breaker trip/close coil has burnt out and been rewound twice this year. We have ordered a new coil from ABB and expect it to arrive within three weeks. When the new coil arrives we should install it and return the used coil to the maintenance	Completed as requested. New coil resistance measurements are as follows: A1(A) - (CC) 88.3 ohms A1(A) - A2(B) 120.0 ohms A2(B) - (CC) 32.2 ohms () - our original terminal numbers. Operation checked ok. Field bkr closes (from 41cs and automatic)	Yes
31920	Clean Switch Mechanism	Switching Order Preparation and Approval	ROP: Field Circuit Breaker	12 Isolation	4/1/2004	The plant will have to be isolated to operate 41cs and clean 41(field breaker) control.	Checked out switch when moved to the trip position switch makes scrunching noise trying to find replacement for same. The old switch is still working. Use self protection no formal SO required See note	Yes
31944	Investigate Manual Trip Failure	Investigate Manual Trip Failure	ROP: Field Circuit Breaker	01 Inspection/Investigation	2/29/2004	During switching procedure Rop 41cs would not open the field breaker. Trip/close coil resistance was checked and coil appears to be okay. Field breaker control needs to be checked to determine why the field breaker did not open.	Checked out circuit everything is working as it should. Opened & closed breaker at least 30 times	Yes
31362	Repair Hot Spot on Wiring to Field Breaker	Repair Hot Spot on Wiring to Field Breaker	ROP: Field Circuit Breaker	05 Repair	3/9/2004	thermoscan found hot spot during inspection.	Took apart connection found 3/0 lug on inside had 1/2" & front lug 3/8" hole there was burn marks on both connections. cleaned connections & replaced nuts, bolts, flat & lock washers. New lugs will be ordered in the next few days I will let you know when	Yes
31362	Repair Hot Spot on Wiring to Field Breaker	Repair Hot Spot on Wiring to Field Breaker	ROP: Field Circuit Breaker	05 Repair	3/9/2004	thermoscan found hot spot during inspection.	Took apart connection found 3/0 lug on inside had 1/2" & front lug 3/8" hole there was burn marks on both connections. cleaned connections & replaced nuts, bolts, flat & lock washers. New lugs will be ordered in the next few days I will let you know when	Yes
30679	Replace Field Breaker Trip/Close Coil	Replace Field Breaker Trip/Close Coil	ROP: Field Circuit Breaker	05 Repair	1/22/2004	Install replacement coil and check clearing contacts. (contacts appear to be permanently closed which would cause trip coil/close to be continually energized and thus causing it to burn out).	Completed as requested. Original field bkr coil rewound at Electro Mechanical Services. Close portion of rewound coil measured approx. 110 ohms and trip portion measured approx. 55 ohms. Coil installed and field breaker operation tested okay. Recommend we	Yes
30217	Field Breaker would not close automatically	Investigate Unit Trip on Voltage Adjustment	ROP: Field Circuit Breaker	05 Repair	12/22/2003	Unit tripped while being adjusted by SCC. They had trouble adjusting the voltage and as well the field breaker had to be closed manually by the PPM after discussion with a controls tech.	field bkr trip/close coil damaged, voltage regulator adjustment not operating. follow up: 1) install replacement coil and check clearing contacts. (contacts appear to be permanently closed which would cause trip coil/close to be continually energized and	Yes
30217	Field Breaker would not close automatically	Investigate Unit Trip on Voltage Adjustment	ROP: Field Circuit Breaker	05 Repair	12/22/2003	Unit tripped while being adjusted by SCC. They had trouble adjusting the voltage and as well the field breaker had to be closed manually by the PPM after discussion with a controls tech	field bkr trip/close coil damaged, voltage regulator adjustment not operating. follow up: 1) install replacement coil and check clearing contacts. (contacts appear to be permanently closed which would cause trip coil/close to be continually energized and	Yes

ROP: Eyewash Station

[illegible]

ROP: Eyewash Station

[illegible]

ROP: Eyewash Station

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
45684	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	12/7/2005	Eyewash Station Maintenance	OK	Yes
45684	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	12/7/2005	Eyewash Station Maintenance	OK	Yes
43227	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	8/30/2005	Eyewash Station Maintenance		Yes
43227	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	8/30/2005	Eyewash Station Maintenance		Yes
43227	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	8/30/2005	Eyewash Station Maintenance		Yes
43227	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	8/30/2005	Eyewash Station Maintenance		Yes
43227	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	8/30/2005	Eyewash Station Maintenance		Yes
41042	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	5/12/2005	Eyewash Station Maintenance	OK	Yes
41042	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	5/12/2005	Eyewash Station Maintenance	OK	Yes
41042	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	5/12/2005	Eyewash Station Maintenance	OK	Yes
41042	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	5/12/2005	Eyewash Station Maintenance	OK	Yes
41042	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	5/12/2005	Eyewash Station Maintenance	OK	Yes
37952	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	2/22/2005	Eyewash Station Maintenance	Eye wash changed OK	Yes
35833	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	11/25/2004	Eyewash Station Maintenance	Eye wash changed.	Yes
35833	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	11/25/2004	Eyewash Station Maintenance	Eye wash changed.	Yes
33882	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	8/3/2004	Eyewash Station Maintenance	OK	Yes
33882	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	8/3/2004	Eyewash Station Maintenance	OK	Yes
32156	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	5/17/2004	Eyewash Station Maintenance	Eyewash changed	Yes
32156	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	5/17/2004	Eyewash Station Maintenance	Eyewash changed	Yes
30496	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	2/11/2004	Eyewash Station Maintenance	Eyewash changed 04/02/11	Yes
30496	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	2/11/2004	Eyewash Station Maintenance	Eyewash changed 04/02/11	Yes
29003	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	12/4/2003	Eyewash Station Maintenance	Eye wash changed. ok	Yes
29003	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	12/4/2003	Eyewash Station Maintenance	Eye wash changed. ok	Yes
22629	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	9/23/2003	Eyewash Station Maintenance	OK	Yes
22629	Eyewash Station Maintenance	Eyewash Station Maintenance	ROP: Eyewash Station	10 Safety	9/23/2003	Eyewash Station Maintenance	OK	Yes

ROP : Exciter

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
50268	Remove Post For Brush Holder	Remove Post For Brush Holder	ROP: DC Exciter	03 Preventive Maintenance (M3)	5/5/2006	The post used for the support bracket for the brush holders has to be removed so it can take it to machine shop to get the tread size & other measurements to have new ones made. This will require the unit to be out service & a self protection	Pat got all the dimensions. OK	Yes
30700	Inspect Speed Switch Drive Shaft and Linkage	Inspect Speed Switch Drive Shaft and Linkages	ROP: DC Exciter	01 Inspection/Investigation	1/26/2004	It was noted by electrician and technologist, while at the plant, that the linkage for the speed switch drive shaft has become worn and the nut on the bottom of the shaft is loosening, thus causing the speed signal to be erratic. This condition caused		Yes
30700	Inspect Speed Switch Drive Shaft and Linkage	Repair Speed Switch Drive Shaft Linkage	ROP: DC Exciter	05 Repair	1/26/2004			Yes
30700	Inspect Speed Switch Drive Shaft and Linkage	Make Necessary Adjustments to Brush Gear as Required	ROP: DC Exciter	03 Preventive Maintenance (M3)	1/26/2004	Make adjustments to brush gear, including removal and cleaning.		Yes
30700	Inspect Speed Switch Drive Shaft and Linkage	Machine Slip Rings	ROP: DC Exciter	03 Preventive Maintenance (M3)	1/26/2004			Yes
30700	Inspect Speed Switch Drive Shaft and Linkage	Switching Order Preparation and Approval	ROP: DC Exciter	12 Isolation	1/16/2004	After initial investigation, it was determined that the work should proceed to a repair. In addition, it was noted that the brush gear would require some adjustment as well and this could be done under the same switching order.		Yes

ROP: Control Systems

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
71628	Replace HMI Internal Fan	Replace HMI Internal Fan	ROP: Controls System	06 Repair	7/31/2008	Internal fan in the Venus/View HMI is failing. Replace as soon as possible	Replaced Fan. Cleaned dust with compressed air. Unit OK.	Yes
66258	Install Trash Rack Block Switch On HMI	Install Trash Rack Block Switch On HMI	ROP: Controls System	06 Modification - Non-capital	8/12/2008	We need to install a trash rack blocking switch on the HMI. The PIC program will have to be changed to do this.	When the 430CS in Local Manual only, the operator has the ability to block the trip associated with the trash racks. When this block is in place an alarm will be given on the HMI alarm screen. If the 430CS is in a 30 second time delay for feeder issues at the forney. This is intended for redress issues. Due to the initial scope of controls at ROP, this plant was never intended to block start. Administration to I have spoke to myself to be more descriptive when I put in a work order. I can not remember what RTD it is I have to block out. Anyway, let's wait until we have problems again to address this.	Yes
63538	Determine If There is AC Fail Blocking Capability	Determine If There is AC Fail Blocking Capability	ROP: Controls System	01 Inspection/Investigation	3/16/2008	As per John Budgell: "The trash rack protection relays are AC devices and are normally energized to when the power was interrupted these relay dropped out closing the trip contact to the units. Some of our plants are equipped with a After discussion with Craig Evans, who was called from the plant at the time of the trip and John Budgell who is pulled later, we will block out this particular RTD in the PLC. There are still four of six still functioning.	There is a 30 second time delay for feeder issues at the forney. This is intended for redress issues. Due to the initial scope of controls at ROP, this plant was never intended to block start. Administration to I have spoke to myself to be more descriptive when I put in a work order. I can not remember what RTD it is I have to block out. Anyway, let's wait until we have problems again to address this.	Yes
64265	Block Out RTD Due to Stator Temp Lockout	Block Out RTD Due to Stator Temp Lockout	ROP: Controls System	06 Repair	1/24/2009	As per SCC news: "Unit failed to synchronize during start up. Maintenance crew adjusted the belt on the compressor." As per John Budgell: "We need a Technologist to check the auto sync setting and adjust the acceptance windows to allow This is the third occurrence in two days. All three times, the unit tripped on start up by SCC but nothing was annunciated when the PPM responded. Bill Hayes was able to reset and restart. This work will be completed in coordination with an	I opened up the acceptance band on the BE1-25A Auto Synchronizer from a max slip frequency of 0.160 to 0.200. The following are the settings left on the sync check thumbwheels: Phase Angle 17. Time delay	Yes
53836	Investigate Unit Failure to Synchronize During Start Up	Investigate Unit Failure to Synchronize During Start Up	ROP: Controls System	01 Inspection/Investigation	8/13/2006	As per SCC news: "Unit failed to synchronize during start up. Maintenance crew adjusted the belt on the compressor." As per John Budgell: "We need a Technologist to check the auto sync setting and adjust the acceptance windows to allow This is the third occurrence in two days. All three times, the unit tripped on start up by SCC but nothing was annunciated when the PPM responded. Bill Hayes was able to reset and restart. This work will be completed in coordination with an	Auto Synchronizer from a max slip frequency of 0.160 to 0.200. The following are the settings left on the sync check thumbwheels: Phase Angle 17. Time delay	Yes
41664	Investigate Unit Trip With No Annunciation	Investigate Unit Trip With No Annunciation	ROP: Controls System	01 Inspection/Investigation	5/24/2005	This is the third occurrence in two days. All three times, the unit tripped on start up by SCC but nothing was annunciated when the PPM responded. Bill Hayes was able to reset and restart. This work will be completed in coordination with an	See transaction from Craig Evans OK	Yes
41664	Investigate Unit Trip With No Annunciation	Investigate Unit Trip With No Annunciation	ROP: Controls System	01 Inspection/Investigation	5/5/2005	This is the third occurrence in two days. All three times, the unit tripped on start up by SCC but nothing was annunciated when the PPM responded. Bill Hayes was able to reset and restart. This work will be completed in coordination with an	Unit was tripping on cooling water flow. Every time this was tested the annunciation was appropriate. The cause of the trip was due to the magnetrol solenoid valves sticking. Both inlet valves were	Yes
32811	Re-Load EPROMM to Capture Changes During	Re-Load EPROMM to Capture Changes During	ROP: Controls System	06 Modification - Non-capital	5/28/2004	The "epromm" needs to be loaded. This will take 15mins and the unit will need to be shut down.	EEPROM loaded ok. Also made a change to PV550 so PLC TRIP RESET is easier to find on screens.	Yes
32306	Modify Trash Rack Trip Circuit	Modify Trash Rack Trip Circuit	ROP: Controls System	06 Modification - Non-capital	4/16/2004	The unit tripped due to trash racks blocked indication. The unit was restarted and went online with no further problems, however, in order to eliminate false trips due to lightning, we should install a two second timer which would allow a	Installed 2 sec timer on trip circuit Changed circuit from forney to another pair in cable. Also changed Race arresters on both ends of circuit.	Yes
32306	Modify Trash Rack Trip Circuit	Modify Trash Rack Trip Circuit	ROP: Controls System	06 Modification - Non-capital	4/16/2004	The unit tripped due to trash racks blocked indication. The unit was restarted and went online with no further problems, however, in order to eliminate false trips due to lightning, we should install a two second timer which would allow a	Installed 2 sec timer on trip circuit Changed circuit from forney to another pair in cable. Also changed Race arresters on both ends of circuit.	Yes
32306	Modify Trash Rack Trip Circuit	Modify Trash Rack Trip Circuit	ROP: Controls System	06 Modification - Non-capital	4/16/2004	The unit tripped due to trash racks blocked indication. The unit was restarted and went online with no further problems, however, in order to eliminate false trips due to lightning, we should install a two second timer which would allow a	Installed 2 sec timer on trip circuit Changed circuit from forney to another pair in cable. Also changed Race arresters on both ends of circuit.	Yes
32306	Modify Trash Rack Trip Circuit	Modify Trash Rack Trip Circuit	ROP: Controls System	06 Modification - Non-capital	4/16/2004	The unit tripped due to trash racks blocked indication. The unit was restarted and went online with no further problems, however, in order to eliminate false trips due to lightning, we should install a two second timer which would allow a	Installed 2 sec timer on trip circuit Changed circuit from forney to another pair in cable. Also changed Race arresters on both ends of circuit.	Yes
31320	Investigate PLC Thermocouple Module	Investigate PLC Thermocouple Module	ROP: Controls System	01 Inspection/Investigation	2/23/2004	Due to lockout on ROP PLC an internal fault on card 7 (thermocouple card monitoring the brush temperatures) appeared when Kevin Gill was sent to site.	Replaced the module and configured the spare channel (even though we are not using it). I re-lightened a loose connection on the module a	Yes

ROP: Cape Pond Gate Structure

[illegible]

ROP: Cape Pond Gate Structure

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
43290	Control Gate Inspection	Control Gate Inspection	ROP: Cape Pond Gate Structure	01 Inspection/Investigation	9/16/2005	Control Gate Inspection	Some wood on trash racks This is part of normal operating procedures.	Yes
43290	Control Gate Inspection	Control Gate Inspection	ROP: Cape Pond Gate Structure	01 Inspection/Investigation	9/16/2005	Control Gate Inspection	Some wood on trash racks This is part of normal operating procedures.	Yes
43290	Control Gate Inspection	Control Gate Inspection	ROP: Cape Pond Gate Structure	01 Inspection/Investigation	9/16/2005	Control Gate Inspection	Some wood on trash racks This is part of normal operating procedures.	Yes
43290	Control Gate Inspection	Control Gate Inspection	ROP: Cape Pond Gate Structure	01 Inspection/Investigation	9/16/2005	Control Gate Inspection	Some wood on trash racks This is part of normal operating procedures.	Yes
43290	Control Gate Inspection	Control Gate Inspection	ROP: Cape Pond Gate Structure	01 Inspection/Investigation	9/16/2005	Control Gate Inspection	Some wood on trash racks This is part of normal operating procedures.	Yes
43263	Control Gate Operational Test	Control Gate Operational Test	ROP: Cape Pond Gate Structure	03 Preventive Maintenance (M3)	9/11/2005	Control Gate Operational Test	Some wood on trash racks.	Yes
43263	Control Gate Operational Test	Control Gate Operational Test	ROP: Cape Pond Gate Structure	03 Preventive Maintenance (M3)	9/11/2005	Control Gate Operational Test	Some wood on trash racks.	Yes
43263	Control Gate Operational Test	Control Gate Operational Test	ROP: Cape Pond Gate Structure	03 Preventive Maintenance (M3)	9/11/2005	Control Gate Operational Test	Some wood on trash racks.	Yes
33809	Debris on Cape Pond Trash Racks	Debris on Cape Pond Trash Racks	ROP: Cape Pond Gate Structure	01 Inspection/Investigation	8/24/2004	There is quite a bit of wood and debris caught up on these racks. With the water down low it is a great time to clean them up. Two PPM,s for 4 hours.	Rocks cleared	Yes
33808	Deck Plank missing	Deck Plank missing	ROP: Cape Pond Gate Structure	10 Safety	8/24/2004	One of the decking planks is missing. This is a safety hazard and should be repaired within at least a few weeks.	Plank replaced on deck	Yes
28680	Install Water Level Gauge	Install Water Level Gauge	ROP: Cape Pond Gate Structure	08 Installation	11/25/2003	There is no water level gauge here and it is a great time to install one as the water level is really low.	WATER LEVEL GAUGE INSTALLED.	Yes

ROP: Boreing Cooling Water System

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Clearing Comments	Closed (Y/N)
31342	Upgrade Cooling Water System	Dewater Penstock	ROP: Boreing Cooling Water System	12 Isolation		The penstock may have to be de-watered in order to replace the vent pipe at the top of the penstock, downstream of the main inlet valve.	This job is cancelled until sometime in future	Yes
31342	Upgrade Cooling Water System	Replace Vent Pipe on Penstock	ROP: Boreing Cooling Water System	12 Isolation		Replace the vent pipe on top of the penstock downstream of the valve as well as the shutdown valve.	This job is cancelled until sometime in future	Yes
31342	Upgrade Cooling Water System	Replace Cooling Water Strainers	ROP: Boreing Cooling Water System	06 Modification - Non-capital		The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the left of the present location and to the barrel of the machine. In addition, a takeoff to supply the lower end up.	This job is cancelled until sometime in future	Yes
31342	Upgrade Cooling Water System	Replace Cooling Water Strainers	ROP: Boreing Cooling Water System	06 Modification - Non-capital		The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the left of the present location and to the barrel of the machine. In addition, a takeoff to supply the lower end up.	This job is cancelled until sometime in future	Yes
31342	Upgrade Cooling Water System	Replace Cooling Water Strainers	ROP: Boreing Cooling Water System	06 Modification - Non-capital		The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the left of the present location and to the barrel of the machine. In addition, a takeoff to supply the lower end up.	This job is cancelled until sometime in future	Yes
31342	Upgrade Cooling Water System	Replace Cooling Water Strainers	ROP: Boreing Cooling Water System	06 Modification - Non-capital		The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the left of the present location and to the barrel of the machine. In addition, a takeoff to supply the lower end up.	This job is cancelled until sometime in future	Yes
31342	Upgrade Cooling Water System	Replace Cooling Water Strainers	ROP: Boreing Cooling Water System	06 Modification - Non-capital		The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the left of the present location and to the barrel of the machine. In addition, a takeoff to supply the lower end up.	This job is cancelled until sometime in future	Yes
31342	Upgrade Cooling Water System	Replace Cooling Water Strainers	ROP: Boreing Cooling Water System	06 Modification - Non-capital		The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the left of the present location and to the barrel of the machine. In addition, a takeoff to supply the lower end up.	This job is cancelled until sometime in future	Yes
31342	Upgrade Cooling Water System	Replace Cooling Water Strainers	ROP: Boreing Cooling Water System	06 Modification - Non-capital		The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the left of the present location and to the barrel of the machine. In addition, a takeoff to supply the lower end up.	This job is cancelled until sometime in future	Yes
64297	Install Heat Traces on Cooling and Domestic Water Lines	Install Heat Traces on Cooling and Domestic Water Lines	ROP: Boreing Cooling Water System	08 Installation	2/5/2008	As per Ron Diamond from work order 63814: "The original heat trace will have to be re-installed as it was not put back in place after piping work was completed. (example: UGBT cooling water line, Valve pit cooling water supply piping). Some of the pipes	See WO # 66958	Yes
64297	Install Heat Traces on Cooling and Domestic Water Lines	Change PLC Program To Cycle Cooling Water	ROP: Boreing Cooling Water System	08 Modification - Non-capital	1/29/2008		Cooling water cycling routine active from November to March, inclusive. While the unit is offline the heat trace on and off every 15 minutes. Heat trace is on all over trip the cycling routine stops.	Yes
33325	Upgrade Cooling Water System	Programming Changes Required For Additional Flow Meter and Solenoid Valve	ROP: Boreing Cooling Water System	07 Project - Capital	2/12/2007	We are installing a new flow meter and solenoid on the tubing bearing cooling water line during the replacement of the strainers as well as replacing the two existing solenoids for the upper guide/turbine bearing. Initially we need an electrician to do	ok	Yes
33325	Upgrade Cooling Water System	Disconnect, Reconnect and Install Solenoids and Flowmeters	ROP: Boreing Cooling Water System	07 Project - Capital	2/6/2007	We are installing a new flow meter and solenoid on the tubing bearing cooling water line during the replacement of the strainers as well as replacing the two existing solenoids for the upper guide/turbine bearing. Initially we need an electrician to do	ok	Yes
33325	Upgrade Cooling Water System	Upgrade Cooling Water System	ROP: Boreing Cooling Water System	07 Project - Capital	1/23/2007	The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the right of the present location and to the barrel of the machine. As per John Budgett, we will use the upstream tank	Due to water leakage we could not get back to penstock with 2" line, for this reason vent penstock is drained again this piping should be change at that time. Flow Meter on turbine is a 0-40 gal and is planned at full flow, we should by 0-60 gal. AJ	Yes
33325	Upgrade Cooling Water System	Upgrade Cooling Water System	ROP: Boreing Cooling Water System	07 Project - Capital	1/23/2007	The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the right of the present location and to the barrel of the machine. As per John Budgett, we will use the upstream tank	Due to water leakage we could not get back to penstock with 2" line, for this reason vent penstock is drained again this piping should be change at that time. Flow Meter on turbine is a 0-40 gal and is planned at full flow, we should by 0-60 gal. AJ	Yes
33325	Upgrade Cooling Water System	Upgrade Cooling Water System	ROP: Boreing Cooling Water System	07 Project - Capital	1/23/2007	The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the right of the present location and to the barrel of the machine. As per John Budgett, we will use the upstream tank	Due to water leakage we could not get back to penstock with 2" line, for this reason vent penstock is drained again this piping should be change at that time. Flow Meter on turbine is a 0-40 gal and is planned at full flow, we should by 0-60 gal. AJ	Yes
33325	Upgrade Cooling Water System	Upgrade Cooling Water System	ROP: Boreing Cooling Water System	07 Project - Capital	1/23/2007	The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the right of the present location and to the barrel of the machine. As per John Budgett, we will use the upstream tank	Due to water leakage we could not get back to penstock with 2" line, for this reason vent penstock is drained again this piping should be change at that time. Flow Meter on turbine is a 0-40 gal and is planned at full flow, we should by 0-60 gal. AJ	Yes
33325	Upgrade Cooling Water System	Upgrade Cooling Water System	ROP: Boreing Cooling Water System	07 Project - Capital	1/23/2007	The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the right of the present location and to the barrel of the machine. As per John Budgett, we will use the upstream tank	Due to water leakage we could not get back to penstock with 2" line, for this reason vent penstock is drained again this piping should be change at that time. Flow Meter on turbine is a 0-40 gal and is planned at full flow, we should by 0-60 gal. AJ	Yes
33325	Upgrade Cooling Water System	Upgrade Cooling Water System	ROP: Boreing Cooling Water System	07 Project - Capital	1/23/2007	The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the right of the present location and to the barrel of the machine. As per John Budgett, we will use the upstream tank	Due to water leakage we could not get back to penstock with 2" line, for this reason vent penstock is drained again this piping should be change at that time. Flow Meter on turbine is a 0-40 gal and is planned at full flow, we should by 0-60 gal. AJ	Yes
33325	Upgrade Cooling Water System	Upgrade Cooling Water System	ROP: Boreing Cooling Water System	07 Project - Capital	1/23/2007	The existing cooling water strainers need to be replaced, but they will not be re-installed in the present location, but instead, to the right of the present location and to the barrel of the machine. As per John Budgett, we will use the upstream tank	Due to water leakage we could not get back to penstock with 2" line, for this reason vent penstock is drained again this piping should be change at that time. Flow Meter on turbine is a 0-40 gal and is planned at full flow, we should by 0-60 gal. AJ	Yes

[illegible]

ROP: AC Synchronous Generator

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
70480	Partial Discharge Analysis Testing (Avalon/SL John's)	Partial Discharge Analysis Testing	ROP: AC Synchronous Generator	02 Predictive Maintenance		Partial Discharge Analysis is required. This unit should be running for six hours before test are completed.		No
85247	Partial Discharge Analysis Testing (Avalon/SL John's)	Partial Discharge Analysis Testing	ROP: AC Synchronous Generator	02 Predictive Maintenance		Partial Discharge Analysis is required. This unit should be running for six hours before test are completed.		No
58168	Modifications For PDA Testing	Modifications For PDA Testing	ROP: AC Synchronous Generator	03 Modification - Non-capital		As per John Parby: "We are unable to complete PDA testing as the test equipment is only capable of differential PDA. Leads from the coupling capacitors in the switchgear need to be terminated in the junction box on the generator. In order to do this,		No
49323	Partial Discharge Analysis Testing	Partial Discharge Analysis Testing	ROP: AC Synchronous Generator	02 Predictive Maintenance		Partial Discharge Analysis is required. Two tests will have to be conducted to capture both Hot and Cold testing.	Could not complete test. One set of capacitor coupler connections were installed on side of switchgear during recent renovations and on set of the original coupler connections are still on barrel of generator. The test cables on tester are not long enough!	Yes
49323	Partial Discharge Analysis Testing	Partial Discharge Analysis Testing	ROP: AC Synchronous Generator	02 Predictive Maintenance		Partial Discharge Analysis is required. Two tests will have to be conducted to capture both Hot and Cold testing.	Could not complete test. One set of capacitor coupler connections were installed on side of switchgear during recent renovations and on set of the original coupler connections are still on barrel of generator. The test cables on tester are not long enough!	Yes
40370	Partial Discharge Analysis Testing	Partial Discharge Analysis Testing	ROP: AC Synchronous Generator	02 Predictive Maintenance		Partial Discharge Analysis is required. Two tests will have to be conducted to capture both Hot and Cold testing.	On line test completed. Unable to take machine off line because of water levels. Unit out of service because of & no need to do cold test with new equipment.	Yes
40378	Partial Discharge Analysis Testing	Partial Discharge Analysis Testing	ROP: AC Synchronous Generator	02 Predictive Maintenance		Partial Discharge Analysis is required. Two tests will have to be conducted to capture both Hot and Cold testing.	On line test completed. Unable to take machine off line because of water levels. Unit out of service because of & no need to do cold test with new equipment.	Yes
88005	Power Factor Testing Required at ROP	Power Factor Testing Required at ROP (Elect)	ROP: AC Synchronous Generator	02 Predictive Maintenance	3/19/2008	Jeremy Decker would like us to carry out power factor testing at Rocky Pond in order to gather info as part of the plan to revamp the complete for his review.	Test results attached to this work order. Test done with neutral point in generator separated and high voltage leads removed from capacitors and surge protectors in switchgear. Cables were left connected to generator. As a follow up to this work order we should	Yes
88005	Power Factor Testing Required at ROP	Power Factor Testing Required at ROP (PPM)	ROP: AC Synchronous Generator	02 Predictive Maintenance	3/18/2008	Jeremy Decker would like us to carry out power factor testing at Rocky Pond in order to gather info as part of the plan to revamp the unit.	Helped Elect.	Yes
88005	Power Factor Testing Required at ROP	Switching Order Preparation and Approval	ROP: AC Synchronous Generator	12 Isolation	3/17/2008	A clearance is required to isolate the unit and carry out power factor testing.	OK	Yes
49054	Power Factor Factor Test	Review Test Results	ROP: AC Synchronous Generator	02 Predictive Maintenance	3/11/2008	John, we may be in a position to synchronize and put some load on Rocky Pond by early next week. Before this happens we should perform a power factor test on the unit. Will there be an electrician available to complete this before we energize the unit?	Tests out normal limits.	Yes
65317	Infrared Thermography	Infrared Thermography (Elect)	ROP: AC Synchronous Generator	01 Inspection/Investigation	1/17/2008	Infrared Thermography	Time put on task 1 by mistake. Should have been Task 2. Completed as requested.	Yes
65317	Infrared Thermography	Infrared Thermography (Area PPM)	ROP: AC Synchronous Generator	01 Inspection/Investigation	1/15/2008	Infrared Thermography	Time put on task 1 by mistake.	Yes
92749	Investigate Partial Problems With Generator Heat	Investigate Partial Problems With Generator Heat	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/2/2007	Allen Maddox reported to the site for an inspection and found that even though the building was damp and cold, the generator blower heat was not on. He tried to adjust the heat but it would not come on. He then contacted Kevin or Craig (not sure who at	Generator heat blower was conditioned on humidity also. I made changes to the program to force the heater on during all raise requirements which is a setting on the HMI. I instructed Allen on how to change the settings. Antifreeze was at 2 degrees to	Yes
58361	Partial Discharge Analysis Testing	Analyze Test Results	ROP: AC Synchronous Generator	02 Predictive Maintenance	5/11/2007	Partial Discharge Analysis is required.	Readings are high albeit here is only one set of couplers on the generator, these will have to be tuned with the couplers in the switchgear to obtain differential readings. This unit should be tested annually.	Yes

ROP: AC Synchronous Generator

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
50381	Partial Discharge Analysis Testing	Analyze Test Results	ROP: AC Synchronous Generator	02 Predictive Maintenance	5/11/2007	Partial Discharge Analysis is required.	Readings are high should have only one set of couplers on the generator, these will have to be tuned with the couplers in the switchgear to obtain differential readings. This unit should be tested annually. Duplicate Task	Yes
54488	Determine The Installation Requirements For PDA Testing At ROP		ROP: AC Synchronous Generator	01 Inspection/Investigation	4/19/2007	As per John Curran: We need to determine the hardware installation requirements for PDA testing at Rocky Pond. Apparently we cannot connect the PDA tester at this location to carry out the required testing. When the requirements are determined, we c	Sorry I've been so slow with this. Both my boss and I have been busy on the road recently. After studying the data we determined that this particular installation is borderline. You could probably get away with treating this machine as a single ended cou	Yes
58381	Partial Discharge Analysis Testing	Partial Discharge Analysis Testing	ROP: AC Synchronous Generator	02 Predictive Maintenance	3/28/2007	Partial Discharge Analysis is required. This unit should be running for six hours before test are completed.	Completed as requested by Iria. See attachment. Iria Tech Support to determine if test is ok or if new couplers need to be installed for the generator. All test info fwd to John Parry who will fwd to Iria. (test data is on the PDA database) OK	Yes
58381	Partial Discharge Analysis Testing	Partial Discharge Analysis Testing	ROP: AC Synchronous Generator	02 Predictive Maintenance	3/28/2007	Partial Discharge Analysis is required. This unit should be running for six hours before test are completed.	Completed as requested by Iria. See attachment. Iria Tech Support to determine if test is ok or if new couplers need to be installed for the generator. All test info fwd to John Parry who will fwd to Iria. (test data is on the PDA database) OK	Yes
59927	Infrared Thermography	Infrared Thermography	ROP: AC Synchronous Generator	01 Inspection/Investigation	3/7/2007	Infrared Thermography	Looks OK will confirm IR temps on commutator & slip rings. OK	Yes
48133	Infrared Thermography	Infrared Thermography	ROP: AC Synchronous Generator	01 Inspection/Investigation	3/9/2008	Infrared Thermography	New Switch Gear OK. OK	Yes
48054	Power Factor Factor Test	Power Factor Factor Test	ROP: AC Synchronous Generator	02 Predictive Maintenance	2/28/2006	John, we may be in a position to synchronize and put some load on Rocky Pond by early next week. Before this happens we should perform a power factor test on the unit. Will there be an electrician available to complete this before we energize the unit?	Test looked OK. Information passed on to Gen Engineering Supervisor.	Yes
42114	Double Testing (Power Factor)	Double Testing (Power Factor)	ROP: AC Synchronous Generator	01 Inspection/Investigation	7/18/2005		Used SO for Meggering on WO #43483. Work took less time than normal because other WO's completed at same time. OK	Yes
37987	Infrared Thermography	Infrared Thermography	ROP: AC Synchronous Generator	01 Inspection/Investigation	4/7/2005	Infrared Thermography	Finished report passed information to region on hot spots ROP-D outside plant. Minor hearing on load to commutator brushes needs to be tighten may take half hour P4. See page 11 on 2005 report. See WO #41250	Yes
34928	Megger Unit	Megger Unit	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	8/23/2004	Unit was down for sometime, greater than a week and should be meggered before starting.	Completed as requested.	Yes
34928	Megger Unit	Switching Order Preparation and Approval	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	8/18/2004	Unit was down for sometime, greater than a week and should be meggered before starting.	Completed as requested.	Yes
31387	Clean and Re-Tighten Power Cable Connection At Termination on Switchgear	Thermocan Connections	ROP: AC Synchronous Generator	03 Acceptance Testing	4/2/2004	We should thermocan the cable connection when machine starts up to confirm success of repair.	This job took longer than expected because I was planning doing the thermocaning when repairs were made but camera wasn't available. OK	Yes
31387	Clean and Re-Tighten Power Cable Connection At Termination on Switchgear	Clean and Re-Tighten Power Cable Connections at Termination for Switchgear	ROP: AC Synchronous Generator	03 Repair	3/18/2004	Hot spot on center phase @ switchgear cables going to generator. We should clean and retighten the power cable connection at the termination on the switchgear.	Repaired connection cleaned up all parts & replaced ball washers & nut. The connection is correct in alignment when they have repaired part is problem. There is a problem in the indication of main valve in dist when we turn off the DC power to this valve. OK	Yes
31387	Clean and Re-Tighten Power Cable Connection At Termination on Switchgear	Switching Order Preparation and Approval	ROP: AC Synchronous Generator	12 Isolation	3/10/2004	A switching order is required to isolate the power cables to make necessary repairs.	OK	Yes
30532	Infrared Thermography	Infrared Thermography	ROP: AC Synchronous Generator	01 Inspection/Investigation	1/21/2004	Infrared Thermography	Hot spot on center phase connection cable going to generator read SO hot spot on center phase @ switchgear cables going to generator.	Yes
28532	Megger Unit	Megger Unit	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	1/5/2004	Unit will have to be isolated and returned to service in coordination with PPM from John Curran's group for Meggering of Unit.	This work was completed under task 2 of this work order. Completion as requested.	Yes
27228	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27228	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes

ROP: AC Synchronous Generator

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
27226	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/30/2003	ROP1 Generator Weekly Visual Inspection	OK	Yes
28632	Megger Unit	Switching Order Preparation and Approval	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	10/2/2003	A switching order is required to megger unit.	Complete as requested.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
25069	ROP1 Generator Weekly Visual Inspection	ROP1 Generator Weekly Visual Inspection	ROP: AC Synchronous Generator	01 Inspection/Investigation	10/1/2003	ROP1 Generator Weekly Visual Inspection	Unit off Brushes on comm and slip rings ok unit off Brushes On comm and slip rings ok.	Yes
28632	Megger Unit	Isolate Unit	ROP: AC Synchronous Generator	12 Isolation	9/28/2003	Unit will have to be isolated and returned to service in coordination with electrician from John Budgett's group for Meggering of Unit.	Unit meggered, ok	Yes
28619	Correct Anti-Condensation Control	Wiring Changes Required	ROP: AC Synchronous Generator	05 Repair	9/18/2003	Return relay wiring back to normal.	completed as requested.	Yes
28619	Correct Anti-Condensation Control	Modify PLC Program	ROP: AC Synchronous Generator	08 Repair	9/15/2003	Heater/outlet ok, problem appears to be in plc programming.(wrong gender contact) heater control calling for heat when generator bkr closed, strip heat control operating ok. anti-condensation control modified (relay wiring changed) until plc program can	completed as requested.	Yes
28537	Inspect Electrical Outlet for Anti-condensation Heater	Inspect Electrical Outlet for Anti-Condensation Heater	ROP: AC Synchronous Generator	01 Inspection/Investigation	9/11/2003	It was originally thought that the heater was not working so another heater was put in its place and still didn't work. The breaker was checked and found to be okay.	heater/outlet ok, problem appears to be in plc programming.(wrong gender contact) heater control calling for heat when generator bkr closed, strip heat control operating ok. anti-condensation control modified (relay wiring changed) until plc program can	Yes
22965	ROP1 Generator Operational Inspection	ROP1 Generator Operational Inspection	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	8/29/2003	ROP1 Generator Operational Inspection	Anti-condensation heater not working. This work will be captured under work order #28537	Yes
22965	ROP1 Generator Operational Inspection	ROP1 Generator Operational Inspection	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	8/29/2003	ROP1 Generator Operational Inspection	Anti-condensation heater not working. This work will be captured under work order #28537	Yes
22965	ROP1 Generator Operational Inspection	ROP1 Generator Operational Inspection	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	8/29/2003	ROP1 Generator Operational Inspection	Anti-condensation heater not working. This work will be captured under work order #28537	Yes
22965	ROP1 Generator Operational Inspection	ROP1 Generator Operational Inspection	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	8/29/2003	ROP1 Generator Operational Inspection	Anti-condensation heater not working. This work will be captured under work order #28537	Yes
22965	ROP1 Generator Operational Inspection	ROP1 Generator Operational Inspection	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	8/29/2003	ROP1 Generator Operational Inspection	Anti-condensation heater not working. This work will be captured under work order #28537	Yes
22965	ROP1 Generator Operational Inspection	ROP1 Generator Operational Inspection	ROP: AC Synchronous Generator	03 Preventive Maintenance (M3)	8/29/2003	ROP1 Generator Operational Inspection	Anti-condensation heater not working. This work will be captured under work order #28537	Yes

ROP: AC Synchronous Generator

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ROP: AC Synchronous Generator

[illegible]

ROP: Access Roads and Bridge Systems

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
50531	Remove Large Rock From Driveway	Remove Large Rock From Driveway	ROP: Access Roads & Bridges System	03 Preventive Maintenance (M3)	8/15/2007	There's a large rock in the middle of the driveway about two thirds of the way down to the plant we'll need a backhoe to remove this. Several vehicles have hit the bottom during the winter when the rock couldn't be seen. Make sure activities concerning co	Work was completed by Emile Durne. Cost was \$500. Work completed by Emile Durne at a cost of approx. \$500	Yes
50531	Remove Large Rock From Driveway	Remove Large Rock From Driveway	ROP: Access Roads & Bridges System	03 Preventive Maintenance (M3)	8/15/2007	There's a large rock in the middle of the driveway about two thirds of the way down to the plant we'll need a backhoe to remove this. Several vehicles have hit the bottom during the winter when the rock couldn't be seen. Make sure activities concerning co	Work was completed by Emile Durne. Cost was \$500. Work completed by Emile Durne at a cost of approx. \$500	Yes
50531	Remove Large Rock From Driveway	Remove Large Rock From Driveway	ROP: Access Roads & Bridges System	03 Preventive Maintenance (M3)	8/15/2007	There's a large rock in the middle of the driveway about two thirds of the way down to the plant we'll need a backhoe to remove this. Several vehicles have hit the bottom during the winter when the rock couldn't be seen. Make sure activities concerning co	Work was completed by Emile Durne. Cost was \$500. Work completed by Emile Durne at a cost of approx. \$500	Yes
50531	Remove Large Rock From Driveway	Remove Large Rock From Driveway	ROP: Access Roads & Bridges System	03 Preventive Maintenance (M3)	8/15/2007	There's a large rock in the middle of the driveway about two thirds of the way down to the plant we'll need a backhoe to remove this. Several vehicles have hit the bottom during the winter when the rock couldn't be seen. Make sure activities concerning co	Work was completed by Emile Durne. Cost was \$500. Work completed by Emile Durne at a cost of approx. \$500	Yes
50531	Remove Large Rock From Driveway	Remove Large Rock From Driveway	ROP: Access Roads & Bridges System	03 Preventive Maintenance (M3)	8/15/2007	There's a large rock in the middle of the driveway about two thirds of the way down to the plant we'll need a backhoe to remove this. Several vehicles have hit the bottom during the winter when the rock couldn't be seen. Make sure activities concerning co	Work was completed by Emile Durne. Cost was \$500. Work completed by Emile Durne at a cost of approx. \$500	Yes
51348	Install Reflective Signage on Rocky Pond Road	Install Reflective Signage on Rocky Pond Road	ROP: Access Roads & Bridges System	08 Installation	8/13/2008	As per Gary Murray, we need to install reflective signs on the gale to the plant as there is only some reflective tape tied to it now. This is a safety concern and should be addressed immediately.		Yes
40997	Investigate/Repair Cape Pond Road	Investigate/Repair Cape Pond Road	ROP: Access Roads & Bridges System	01 Inspection/Investigation	4/14/2005	According to Bill Hayes the bridge fill at Cape Pond Road Bridge has washed out on four sides making the bridge impassible. With not being able to cross the bridge, the operator cannot get to the gale structure to operate the gale if required. We first	Job Complete OK	Yes
33237	Replace Gate on Plant Access Road	Replace Gate on Plant Access Road	ROP: Access Roads & Bridges System	08 Installation	8/3/2004	This gate is of the old style (railway iron), and is broken and not functioning at all. We would replace this with a new gate as supplied previously by Apex Construction at other locations.	Gate installed.	Yes

ROP: Upper and Lower Turbine Guide

Work Order	Work Order Title	Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
24745	Oil Sampling & Analysis - Bearing System	Oil Sampling & Analysis - Bearing System	ROP G UGBR/THBR	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken.	Yes
24745	Oil Sampling & Analysis - Bearing System	Oil Sampling & Analysis - Bearing System	ROP G UGBR/THBR	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken.	Yes
24745	Oil Sampling & Analysis - Bearing System	Oil Sampling & Analysis - Bearing System	ROP G UGBR/THBR	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken.	Yes
24745	Oil Sampling & Analysis - Bearing System	Oil Sampling & Analysis - Bearing System	ROP G UGBR/THBR	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken.	Yes
24745	Oil Sampling & Analysis - Bearing System	Oil Sampling & Analysis - Bearing System	ROP G UGBR/THBR	03 Preventive Maintenance (M3)	9/10/2003	Oil Sampling & Analysis - Bearing	Unit off when oil sample was taken.	Yes

ROP Switchgear

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
60631	Breaker Failure To Close	ROP: Switchgear	01 Inspection/Investigation		This weekend Bill Hayes was called to ROP as the unit was attempting to go online but would not close the breaker. Bill Rach ended up there on Sunday morning and found a secondary fuse blown. Please create a P1 work order for	Found a 6amp fuse blown on secondary side of ROP-PT-2	Yes
57454	Unit Would Not Synchronize As PT Fuses Were Blown	ROP: Switchgear	01 Inspection/Investigation	6/20/2007	Control Center News: Senior Operator: Chris O'Keefe Junior Operator: Geoff Ford Shift: 01930 to 0730 2055 DROP: S/O # 88343 in effect to check P.T. because unit is not synchronizing. To be checked further in the morning	OK	Yes
60631	Breaker Failure To Close	ROP: Switchgear	01 Inspection/Investigation	6/17/2007	This weekend Bill Hayes was called to ROP as the unit was attempting to go online but would not close the breaker. Bill Rach ended up there on Sunday morning and found a secondary fuse blown. Please create a P1 work order for	ASSIST ELECTRICIAN TO LOCATE & REPAIR UNIT TROUBLE.	Yes
57441	Check PT Connection in Switchgear	ROP: Switchgear	05 Repair	2/9/2007	Our the last couple of months on several times the unit has failed to synchronize. During the last week the voltage from the PT's was checked when this problem occurred & found to be low so we need to check the secondary connections at the	PT pins replaced by electrician. PT wiring had to be rewired due to a manufactures/installers error. PT was shorted originally but this short cleared itself by burning the pins off. This single PT was the source of power for	Yes
57454	Unit Would Not Synchronize As PT Fuses Were Blown	ROP: Switchgear	01 Inspection/Investigation	2/8/2007	Control Center News: Senior Operator: Chris O'Keefe Junior Operator: Geoff Ford Shift: 01930 to 0730 2055 DROP: S/O # 88343 in effect to check P.T. because unit is not synchronizing. To be checked further in the morning	Found two fuses blown on ROP-G1-PT2. Replaced fuses on Feb27/07	Yes
57454	Unit Would Not Synchronize As PT Fuses Were Blown	ROP: Switchgear	01 Inspection/Investigation	2/8/2007	Control Center News: Senior Operator: Chris O'Keefe Junior Operator: Geoff Ford Shift: 01930 to 0730 2055 DROP: S/O # 88343 in effect to check P.T. because unit is not synchronizing. To be checked further in the morning	PT fuses blown on PT that provides power to the DECS 200. Problem found within the original wiring out of the PT feed	Yes
36473	Investigate Water Ingress to Cable Trench	ROP: Switchgear	01 Inspection/Investigation	11/1/2004	Ron Osmond reports that water is entering the switchgear cable trench. We need to find out where/how and if possible correct, or make recommendations for a course of action to correct. Please note, due to possible electrical contact with water, extra car	Completed as requested. Trenching by contractor behind building seems to be helping the problem. There are a number of old conduits inside and outside the building that are open and filled with water. These should be sealed. One conduit (@ 1-1/2") is cut	Yes

ROP: Temperature Sensing System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
28287	Investigate Cause of Unit Trip on Brush Temp.	ROP: Temperature Sensor System	01 Inspection/Investigation	8/2/2003	Unit tripped over weekend on high brush temperature, PPM suggested possible PLC problem.	Reset a 51V relay and PLC. A voltage rise may have been seen on the brush monitoring gear and therefore a trip on the unit was to be expected. Since resetting system 3 weeks ago, no problems have been reported.	Yes

ROP Turbine Guide Bearing

Work Order		Work Order Title		Entity Name		Work Type		Data work completed		Description		Closing Comments		Closed (Yes/No)	
21129		ROP1 Bearings Weekly Visual Inspection		ROP: Turbine Guide Bearing		01 Inspection/Investigation		7/21/2003		ROP1 Bearings Weekly Visual Inspection		Oil related activities not relevant for this bearing. Activity list should be revised (see T.Troke) Don't have a hand held thermo unit to check temps. Correction: keyed in wrong work order. SJB in work order #21435		Yes	
21128		ROP1 Bearings Weekly Visual Inspection		ROP: Turbine Guide Bearing		01 Inspection/Investigation		7/21/2003		ROP1 Bearings Weekly Visual Inspection		Oil related activities not relevant for this bearing. Activity list should be revised (see T.Troke) Don't have a hand held thermo unit to check temps. Correction: keyed in wrong work order. SJB in work order #21435		Yes	

ROP Freeboard Dam NO.3

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
26539	Vegetation Management Required	ROP:Rocky Pond Freeboard Dam No. 3	16 Vegetation Control	2/2/2006	Cut brush & trees on main dam, downstream. This will require outside contractor to be coordinated by John Curran. This is follow up work from work order #21099	O.K.	Yes
26639	Vegetation Management Required	ROP:Rocky Pond Freeboard Dam No. 3	16 Vegetation Control	2/2/2006	Cut brush & trees on main dam, downstream. This will require outside contractor to be coordinated by John Curran. This is follow up work from work order #21099	O.K.	Yes
26639	Vegetation Management Required	ROP:Rocky Pond Freeboard Dam No. 3	16 Vegetation Control	2/2/2006	Cut brush & trees on main dam, downstream. This will require outside contractor to be coordinated by John Curran. This is follow up work from work order #21099	O.K.	Yes
26639	Vegetation Management Required	ROP:Rocky Pond Freeboard Dam No. 3	16 Vegetation Control	2/2/2006	Cut brush & trees on main dam, downstream. This will require outside contractor to be coordinated by John Curran. This is follow up work from work order #21099	O.K.	Yes
27164	Dam Safety Operator Inspection	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK	Yes
27164	Dam Safety Operator Inspection	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK	Yes
27164	Dam Safety Operator Inspection	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK	Yes
27164	Dam Safety Operator Inspection	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK	Yes
27049	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
27049	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
27049	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
25026	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	9/25/2003	Storage Dam Site Walkabout	Brush covered upstream and down. 1.CUT BRUSH UP STREAM AND DOWN. P 5 covered under work request #1506	Yes
25026	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	9/25/2003	Storage Dam Site Walkabout	Brush covered upstream and down. 1.CUT BRUSH UP STREAM AND DOWN. P 5 covered under work request #1506	Yes
25026	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	9/25/2003	Storage Dam Site Walkabout	Brush covered upstream and down. 1.CUT BRUSH UP STREAM AND DOWN. P 5 covered under work request #1506	Yes
22905	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	some brush This is captured under held work request #1506	Yes
22905	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	some brush This is captured under held work request #1506	Yes
22905	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 3	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	some brush This is captured under held work request #1506	Yes

Work Order	Work Order Title	Entity Name	Work Type	Date Work completed	Description	Closing Comments (Yes/No)
26639	Vegetation Management Required	RCP:Rocky Pond Freeboard Dam No. 2	16 Vegetation Control	11/22/2004	Cut brush & trees on main dam, downstream. This will require outside contractor to be coordinated by John Curran.	O.K.
27163	Dam Safety Operator Inspection	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK
27163	Dam Safety Operator Inspection	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK
27163	Dam Safety Operator Inspection	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	OK
27048	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK
27048	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK
27048	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK
25026	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	9/26/2003	Storage Dam Site Walkabout	Brush to be cut up stream and down. Road going to these dams overgrew with brush. 1. CUT BRUSH ALONG DAMS AND ROAD. P 5 Captured under work request 1755
25025	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	9/25/2003	Storage Dam Site Walkabout	Brush to be cut up stream and down. Road going to these dams overgrew with brush. 1. CUT BRUSH ALONG DAMS AND ROAD. P 5 Captured under work request 1755
25025	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	9/25/2003	Storage Dam Site Walkabout	Brush to be cut up stream and down. Road going to these dams overgrew with brush. 1. CUT BRUSH ALONG DAMS AND ROAD. P 5 Captured under work request 1755
22804	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	8/18/2003	Storage Dam Site Walkabout	some brush This is captured in held work requests as a PB
22804	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	8/18/2003	Storage Dam Site Walkabout	some brush This is captured in held work requests as a PB
22804	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	8/18/2003	Storage Dam Site Walkabout	some brush This is captured in held work requests as a PB
22804	Storage Dam Site Walkabout	RCP:Rocky Pond Freeboard Dam No. 2	01 Inspection/Investigation	8/18/2003	Storage Dam Site Walkabout	some brush This is captured in held work requests as a PB

ROP Freeboard Dam No. 1

Work Order	Work Order Title	Entity Name	Work Type	Data work completed	Description	Closing Comments	Closed (Yes/No)
26539	Vegetation Management Required	ROP:Rocky Pond Freeboard Dam No. 1	18 Vegetation Control	11/15/2004	Cut brush & trees on main dam, downstream. This will require outside contractor to be coordinated by John Curren. This is follow up work from work order #21000	O.K.	Yes
27162	Dam Safety Operator Inspection	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27162	Dam Safety Operator Inspection	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27162	Dam Safety Operator Inspection	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27162	Dam Safety Operator Inspection	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27047	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27047	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27047	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
25024	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	9/25/2003	Storage Dam Site Walkabout	Some brush to be cut downstream. 1.CUT BRUSH DOWNSTREAM. P 5 Work request 1778	Yes
25024	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	9/25/2003	Storage Dam Site Walkabout	Some brush to be cut downstream. 1.CUT BRUSH DOWNSTREAM. P 5 Work request 1778	Yes
25024	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	9/25/2003	Storage Dam Site Walkabout	Some brush to be cut downstream. 1.CUT BRUSH DOWNSTREAM. P 5 Work request 1778	Yes
22903	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes
22903	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes
22903	Storage Dam Site Walkabout	ROP:Rocky Pond Freeboard Dam No. 1	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes

ROP Long Pond Dam

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
45574	Vegetation Management Required	ROP:Long Pond Dam	16 Vegetation Control		Some brush down stream		No
27166	Dam Safety Operator Inspection	ROP:Long Pond Dam	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	ok	Yes
27168	Dam Safety Operator Inspection	ROP:Long Pond Dam	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	ok	Yes
27166	Dam Safety Operator Inspection	ROP:Long Pond Dam	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	ok	Yes
27168	Dam Safety Operator Inspection	ROP:Long Pond Dam	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	ok	Yes
27051	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
27051	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
27051	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
25028	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	Some brush down stream CUT BRUSH DOWN STREAM. P4 Covered under work request #1754	Yes
25028	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	Some brush down stream CUT BRUSH DOWN STREAM. P4 Covered under work request #1754	Yes
25028	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	Some brush down stream CUT BRUSH DOWN STREAM. P4 Covered under work request #1754	Yes
22907	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes
22907	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes
22907	Storage Dam Site Walkabout	ROP:Long Pond Dam	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes

ROP Long Pond/Middle Cove Pond

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
27165	Dam Safety Operator Inspection	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27165	Dam Safety Operator Inspection	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27165	Dam Safety Operator Inspection	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27165	Dam Safety Operator Inspection	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27050	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
27050	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
27050	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
25027	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	This structure has been removed , water now free flowing.	Yes
25027	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	This structure has been removed , water now free flowing.	Yes
25027	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	This structure has been removed , water now free flowing.	Yes
22906	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Gate removed concert over river - no longer used	Yes
22906	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Gate removed concert over river - no longer used	Yes
22906	Storage Dam Site Walkabout	ROP:Long Pond / Middle Pond Control Structure	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Gate removed concert over river - no longer used	Yes

RCP Lamanche Canal Spillways

Order	Work Order	Work Order Title	Entity Name	Work Type	Date Work Completed	Description	Closing Comments	Closed (Yes/No)
68183	Vegetation Management Required on Lamanche Canal Spillway #4	RCP Lamanche Canal Spillways (Only, 7)	10 Vegetation Control	According to Bill Hayes' January, 07 Dam Safety Inspection, there are trees on Lamanche Canal Spillway #4 that need to be cut.	No			No
68182	Vegetation Management Required on Lamanche Canal Spillway #2	RCP Lamanche Canal Spillways (Only, 7)	10 Vegetation Control	According to Bill Hayes' January, 07 Dam Safety Inspection, there are trees on Lamanche Canal Spillway #2 that need to be cut.	No			No
68181	Vegetation Management Required on Lamanche Canal Spillway #1	RCP Lamanche Canal Spillways (Only, 7)	10 Vegetation Control	According to Bill Hayes' January, 07 Dam Safety Inspection, there are trees on Lamanche Canal Spillway #1 that need to be cut.	No			No
28712	Investigate Early Spilling of Inside Spillway	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	Inside spillway spills before the spillway that is regularly used to top up canal, spills. John Curran recommended that Gary Humby's group carry out an investigation to determine the cause and to be completed while water levels are still low.	No			No
52914	Remove Excess Debris	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	5/18/2007	Please refer to attached photo of Lamanche canal spillway debris. This needs to be removed within the next month as per John Curran.	ok ok	Yes	Yes
27168	Dam Safety Operator Inspection	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	ok	Yes	Yes
27165	Dam Safety Operator Inspection	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	ok	Yes	Yes
27166	Dam Safety Operator Inspection	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	ok	Yes	Yes
27053	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	10/22/2003	Storage Dam Silo Walkabout	ok	Yes	Yes
27053	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	10/22/2003	Storage Dam Silo Walkabout	ok	Yes	Yes
27053	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	10/22/2003	Storage Dam Silo Walkabout	ok	Yes	Yes
25030	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	8/23/2003	Storage Dam Silo Walkabout	Most in good condition. Butlers brook spillway some decking nailed. 1. REPAIR DECKING ON BUTLERS BROOK SPILLWAY. P 5. Work request 1775	Yes	Yes
25030	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	8/23/2003	Storage Dam Silo Walkabout	Most in good condition. Butlers brook spillway some decking nailed. 1. REPAIR DECKING ON BUTLERS BROOK SPILLWAY. P 5. Work request 1775	Yes	Yes
25030	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	8/23/2003	Storage Dam Silo Walkabout	Most in good condition. Butlers brook spillway some decking nailed. 1. REPAIR DECKING ON BUTLERS BROOK SPILLWAY. P 5. Work request 1775	Yes	Yes
22908	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	8/21/2003	Storage Dam Silo Walkabout	This was done concurrently with 22908 1.25 hrs ok	Yes	Yes
22908	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	8/21/2003	Storage Dam Silo Walkabout	This was done concurrently with 22908 1.25 hrs ok	Yes	Yes
22908	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	8/21/2003	Storage Dam Silo Walkabout	This was done concurrently with 22908 1.25 hrs ok	Yes	Yes
22909	Storage Dam Silo Walkabout	RCP Lamanche Canal Spillways (Only, 7)	01 Inspection/Investigation	8/21/2003	Storage Dam Silo Walkabout	This was done concurrently with 22908 1.25 hrs ok	Yes	Yes

ROP Lemmanche Canal

Work Order	Work Order Title	Entity Name	Work Type	Rate Work completed	Description	Closing Comments	Slaved (Yes/No)
4668B	Vegetation Management Required	ROP:Lemmanche Canal Embankment	18 Vegetation Control		This is follow up work from work order #22908.		No
27167	Dam Safety Operator Inspection	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27167	Dam Safety Operator Inspection	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27167	Dam Safety Operator Inspection	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27167	Dam Safety Operator Inspection	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27052	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27052	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27052	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
28280	Bridge Repairs Required	ROP:Lemmanche Canal Embankment	05 Repair	10/16/2003	This is follow up work from work order #22908. This will be coordinated by John Curran and a PPM will be required for site coordination with contractor.	Job completed by contractor	Yes
25029	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	IN FAIR CONDITION	Yes
25029	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	IN FAIR CONDITION	Yes
25029	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	IN FAIR CONDITION	Yes
22808	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Brush need's culling P 6. Bridge's on corner needs repaired P 4(covered under wo. 28280	Yes
22808	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Brush need's culling P 6. Bridge's on corner needs repaired P 4(covered under wo. 28280	Yes
22808	Storage Dam Site Walkabout	ROP:Lemmanche Canal Embankment	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Brush need's culling P 6. Bridge's on corner needs repaired P 4(covered under wo. 28280	Yes

RFP Franks Pond Dam

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments (Yes/No)	Closed
27177	Dam Safety Operator Inspection	RFP:Franks Pond Storage Dam	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27177	Dam Safety Operator Inspection	RFP:Franks Pond Storage Dam	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27177	Dam Safety Operator Inspection	RFP:Franks Pond Storage Dam	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27177	Dam Safety Operator Inspection	RFP:Franks Pond Storage Dam	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes

RFP Franks Pond Dam/Spillway (Qty. 7)

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments (Yes/No)	Closed
27178	Dam Safety Operator Inspection	RFP:Franks Pond Dams and Spillways (Qty. 7)	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27178	Dam Safety Operator Inspection	RFP:Franks Pond Dams and Spillways (Qty. 7)	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27178	Dam Safety Operator Inspection	RFP:Franks Pond Dams and Spillways (Qty. 7)	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27178	Dam Safety Operator Inspection	RFP:Franks Pond Dams and Spillways (Qty. 7)	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes

RFP Franks Pond Spillway

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments (Yes/No)	Closed
27176	Dam Safety Operator Inspection	RFP:Franks Pond Canal Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27176	Dam Safety Operator Inspection	RFP:Franks Pond Canal Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27176	Dam Safety Operator Inspection	RFP:Franks Pond Canal Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27176	Dam Safety Operator Inspection	RFP:Franks Pond Canal Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes

RFP Franks Pond Canal

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments (Yes/No)	Closed
27176	Dam Safety Operator Inspection	RFP:Franks Pond Canal Embankment	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27176	Dam Safety Operator Inspection	RFP:Franks Pond Canal Embankment	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27176	Dam Safety Operator Inspection	RFP:Franks Pond Canal Embankment	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes
27176	Dam Safety Operator Inspection	RFP:Franks Pond Canal Embankment	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	OK	Yes

ROP Cluney's US Dam/Spillway

Work Order	Work Order Title	Entity Name	Work Type	Data work completed	Description	Closing Comments	Closed (Yes/No)
45688	Vegetation Management Required	ROP:Cluney's Upstream Dam/Spillway	10 Vegetation Control		As per Bill Hayes: "Dam/canal in good shape, minor bush culling required in general area."		No
27171	Dam Safety Operator Inspection	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27171	Dam Safety Operator Inspection	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27171	Dam Safety Operator Inspection	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27171	Dam Safety Operator Inspection	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27056	Storage Dam Site Walkabout	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27056	Storage Dam Site Walkabout	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
25033	Storage Dam Site Walkabout	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	GOOD CONDITION	Yes
25033	Storage Dam Site Walkabout	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	GOOD CONDITION	Yes
25033	Storage Dam Site Walkabout	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	GOOD CONDITION	Yes
22812	Storage Dam Site Walkabout	ROP:Cluney's Upstream Dam/Spillway	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Dam/canal in good shape, minor bush culling required in general area... Skillway needs repairs as rotting boards, timbers etc. Brush culling is captured under field work request 1525	Yes

ROP Clune's Downstream Dam/Spillway

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
27189	Dam Safety Operator Inspection	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27189	Dam Safety Operator Inspection	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27189	Dam Safety Operator Inspection	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27054	Dam Safety Operator Inspection	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27054	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27054	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27054	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
25031	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	8/23/2003	Storage Dam Site Walkabout	IN GOOD CONDITION	Yes
25031	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	8/23/2003	Storage Dam Site Walkabout	IN GOOD CONDITION	Yes
25031	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	8/23/2003	Storage Dam Site Walkabout	IN GOOD CONDITION	Yes
22910	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes
22910	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes
22910	Storage Dam Site Walkabout	ROP:Clune's Downstream Dam/Spillway	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	ok	Yes

ROP Cluney's Control Structure

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
56784	Remove obstruction under control structure	ROP:Cluney's Control Structure	05 Repair	2/1/2007	On Jan 1th the obstruction under this control structure caused a blockage forcing water from Cape Pond over the upstream spillway and raise the water level at the bridge on Route 10 at LaManche Bottom. This obstruction needs to be removed. Reg. Two	obstruction freed up on it's own	Yes
27170	Dam Safety Operator Inspection	ROP:Cluney's Control Structure	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27170	Dam Safety Operator Inspection	ROP:Cluney's Control Structure	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27170	Dam Safety Operator Inspection	ROP:Cluney's Control Structure	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27170	Dam Safety Operator Inspection	ROP:Cluney's Control Structure	01 Inspection/Investigation	10/23/2003	Dam Safety Operator Inspection	Ok	Yes
27055	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27055	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27055	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
25700	Remove Rock From Upstream Side of Control Structure	ROP:Cluney's Control Structure	03 Preventive Maintenance (M3)	10/18/2003	Rocks blocking flow of water upstream of control structure. PCM will be required as part of the initial investigation to determine the extent of the work to remove the rock.	Rocks removed by a contractor. Estimate cost of \$300.00 Also \$1000.00 contractor cost: Greenstades Construction As per conversation with Robin Vivian	Yes
25032	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	8/23/2003	Storage Dam Site Walkabout	Rocks blocking flow of water upstream of control structure. 1. REMOVE ROCK FROM UPSTREAM SIDE OF CONTROL STRUCTURE. P 2 This is captured under work order 28700	Yes
25032	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	8/23/2003	Storage Dam Site Walkabout	Rocks blocking flow of water upstream of control structure. 1. REMOVE ROCK FROM UPSTREAM SIDE OF CONTROL STRUCTURE. P 2 This is captured under work order 28700	Yes
25032	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	8/23/2003	Storage Dam Site Walkabout	Rocks blocking flow of water upstream of control structure. 1. REMOVE ROCK FROM UPSTREAM SIDE OF CONTROL STRUCTURE. P 2 This is captured under work order 28700	Yes
22811	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Ok Support concrete a bit deteriorated .	Yes
22811	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Ok Support concrete a bit deteriorated .	Yes
22811	Storage Dam Site Walkabout	ROP:Cluney's Control Structure	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Ok Support concrete a bit deteriorated .	Yes

ROP Cluney's Canal

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
27172	Dam Safety Operator Inspection	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27172	Dam Safety Operator Inspection	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27172	Dam Safety Operator Inspection	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27172	Dam Safety Operator Inspection	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27057	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27057	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27057	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
25034	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	IN GOOD CONDITION	Yes
25034	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	IN GOOD CONDITION	Yes
25034	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	IN GOOD CONDITION	Yes
22913	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Canal banks and structures in good shape. Back fill required near where dam meets skilway. This has been turned into a work request(1508) and is on hold as a P6	Yes
22913	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Canal banks and structures in good shape. Back fill required near where dam meets skilway. This has been turned into a work request(1508) and is on hold as a P6	Yes
22913	Storage Dam Site Walkabout	ROP:Cluney's Canal Embankment	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Canal banks and structures in good shape. Back fill required near where dam meets skilway. This has been turned into a work request(1508) and is on hold as a P6	Yes

ROP Cape Pond Spillway

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
28143	Remove Stoplogs	ROP-Cape Pond Spillway	06 Modification - Non-capital	5/31/2004	During the execution of a dam safety inspection, it was noted that stoplogs have not been removed from all spillway bays. These stoplogs should be removed for two reasons; 1. Amec's 2002 Flood Study assumed all stoplogs were removed in the case of an ext There are approximately twelve stoplogs which should be removed as they are no longer a requirement, as per John Curran.	This job was completed.	Yes
28143	Remove Stoplogs	ROP-Cape Pond Spillway	06 Modification - Non-capital	5/31/2004		This job was completed.	Yes

ROP Cluney's Canal Diversion Dam/Spillway

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
45567	Vegetation Management Required	ROP:Cluney's Canal Diversion Dam/Spillway	16 Vegetation Control				No
27173	Dam Safety Operator Inspection	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27173	Dam Safety Operator Inspection	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27173	Dam Safety Operator Inspection	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27173	Dam Safety Operator Inspection	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27058	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
27058	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
27058	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	OK	Yes
25035	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	Decking rolled in places REPAIR DECKING P 5	Yes
25035	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	Decking rolled in places REPAIR DECKING P 5	Yes
25035	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	Decking rolled in places REPAIR DECKING P 5	Yes
22814	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Dam / spillway checked . Dam/ spillway completely grown over barely visible access trail needs bush cutting . This has been turned into work request #1505 and is currently on hold as a PB	Yes
22814	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Dam / spillway checked . Dam/ spillway completely grown over barely visible access trail needs bush cutting . This has been turned into work request #1505 and is currently on hold as a PB	Yes
22814	Storage Dam Site Walkabout	ROP:Cluney's Canal Diversion Dam/Spillway	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Dam / spillway checked . Dam/ spillway completely grown over barely visible access trail needs bush cutting . This has been turned into work request #1505 and is currently on hold as a PB	Yes

ROP Cape Pond Dam

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
26752	Spillway Railing/Iron Work Needs Painting	ROP:Cape Pond Dam	Normal/Routine		This is follow up work from work order 22915		No
33951	Stoplog Structure Operational Test	ROP:Cape Pond Dam	03 Preventive Maintenance (M3)	8/3/2004	Stoplog Structure Operational Test	Cape Pond has no Stoplog in it. The PM will be cancelled for this particular entity.	Yes
33951	Stoplog Structure Operational Test	ROP:Cape Pond Dam	03 Preventive Maintenance (M3)	8/3/2004	Stoplog Structure Operational Test	Cape Pond has no Stoplog in it. The PM will be cancelled for this particular entity.	Yes
27174	Dam Safety Operator Inspection	ROP:Cape Pond Dam	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27174	Dam Safety Operator Inspection	ROP:Cape Pond Dam	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27174	Dam Safety Operator Inspection	ROP:Cape Pond Dam	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27174	Dam Safety Operator Inspection	ROP:Cape Pond Dam	01 Inspection/Investigation	10/24/2003	Dam Safety Operator Inspection	Ok	Yes
27059	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27059	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
27059	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	10/22/2003	Storage Dam Site Walkabout	Ok	Yes
25036	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	ok	Yes
25036	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	ok	Yes
25036	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	9/23/2003	Storage Dam Site Walkabout	ok	Yes
26640	Clean Trashracks	ROP:Cape Pond Dam	03 Preventive Maintenance (M3)	9/4/2003	Trashracks at Cape Pond should be cleaned, some driftwood on racks. This should be done while elev. is down and gate is closed. This is follow up from work order #21099	Headgate closed and trashracks cleaned. Racks cleaned.	Yes
22953	Stoplog Structure Operational Test	ROP:Cape Pond Dam	03 Preventive Maintenance (M3)	8/28/2003	Stoplog Structure Operational Test	No stoplogs - Discuss with John Curran.	Yes
22953	Stoplog Structure Operational Test	ROP:Cape Pond Dam	03 Preventive Maintenance (M3)	8/28/2003	Stoplog Structure Operational Test	No stoplogs - Discuss with John Curran.	Yes
22915	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Dam in good shape, spillway walkway, concrete etc in good shape, skidway railing/ iron work need painting. This work has been turned into a request and is on hold as a PG.	Yes
22915	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Dam in good shape, spillway walkway, concrete etc in good shape, skidway railing/ iron work need painting. This work has been turned into a request and is on hold as a PG.	Yes
22915	Storage Dam Site Walkabout	ROP:Cape Pond Dam	01 Inspection/Investigation	8/21/2003	Storage Dam Site Walkabout	Dam in good shape, spillway walkway, concrete etc in good shape, skidway railing/ iron work need painting. This work has been turned into a request and is on hold as a PG.	Yes

[illegible]

[illegible]

[illegible]

ROP Waterworks

[illegible]

[illegible]

ROP Waterworks

Work Order	Work Order Title	Entity Name	Work Type	Data work completed	Description	Closing Comments	Closed (Yes/No)
20940	Fish Activity Monitoring	ROP: Waterworks System	11 Environmental	7/24/2003	Fish Activity Monitoring	OK	Yes
20946	Fish Activity Monitoring	ROP: Waterworks System	11 Environmental	7/24/2003	Fish Activity Monitoring	OK	Yes
20943	Fish Activity Monitoring	ROP: Waterworks System	11 Environmental	7/24/2003	Fish Activity Monitoring	OK	Yes
20948	Fish Activity Monitoring	ROP: Waterworks System	11 Environmental	7/24/2003	Fish Activity Monitoring	OK	Yes
20948	Fish Activity Monitoring	ROP: Waterworks System	11 Environmental	7/24/2003	Fish Activity Monitoring	OK	Yes
20946	Fish Activity Monitoring	ROP: Waterworks System	11 Environmental	7/24/2003	Fish Activity Monitoring	OK	Yes

ROP Water Leveling Monitoring System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
82133	Inspect/Repair Elevation Monitoring System	ROP: Water Level Monitoring System	01 Inspection/Investigation	8/18/2007	Bill Hayes was called to Rocky Pond last night to investigate the unit trip on forebay elevation. He tried replacing the fuses but to no avail. Ron Osmond was asked to go to the site for further investigation. The work is now complete and Ron had to re	Lightning arrestors shorted on communication cable at plant and forebay. Replaced 6 arrestors. Water level monitoring ok.	Yes
59118	Check Modem For Water Level	ROP: Water Level Monitoring System	05 Repair	4/20/2007	As per SCC news. Unable to reset ROP-G lockout alarm due problem with forebay level modem. Replacement modem to be installed later today.	Installed new modem.	Yes
57430	Replace Water Level System	ROP: Water Level Monitoring System	08 Installation	2/12/2007	The system that's in place now is not reading correctly. This is an old system so we're going to replace the whole system with the new standard that we have now.	OK	Yes
57430	Replace Water Level System	ROP: Water Level Monitoring System	09 Acceptance Testing	2/5/2007		Calibrated and replaced the PDT and PDR combination. System checked OK. Scaling quantities at SCC were 393.4 to 402.6. These have been changed to 393.0 to 402.6. OK	Yes
57430	Replace Water Level System	ROP: Water Level Monitoring System	08 Installation	2/2/2007		Assisted Electrician. OK	Yes
31322	Investigate Water Level Control	ROP: Water Level Monitoring System	01 Inspection/Investigation	8/9/2004	Due to lightning strike, the fuses for the water level probe blew resulting in a trip on G1. The fuses were replaced but there was still another trip after the unit was running for about an hour.	Two hours was for the actual investigation, not including raining. As soon as the plant was up and running, I took the best part of the day. Was not able to find any other cause for the trip other than lightning strike, however the fuses may have been OK.	Yes

ROP Voltage Control System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
38823	Trouble Shoot/Repair Voltage Rheostat Motor	ROP: Voltage Control System	01 Inspection/Investigation	1/25/2005	There is no electric control of the voltage rheostat and it could not be adjusted unless there was an operator in the plant.	Completed as requested. Investigation found that motor was unable to turn rheostat. Adjustments made to variable resistor and motor operated rheostat but was unreliable. Motor noisy. Disconnected control circuit wiring so motor could not be run. Repl	Yes
30679	Replace Field Breaker Trip/Close Coil	ROP: Voltage Control System	05 Repair	2/12/2004	Further investigate voltage adjustment to determine why regulator is not responding. This is follow up work from work order 30217.	Time card was completed against task 3.	Yes
30679	Replace Field Breaker Trip/Close Coil	ROP: Voltage Control System	05 Repair	1/26/2004	Further investigate voltage adjustment to determine why regulator is not responding. This is follow up work from work order 30217.	Adjusted the regulator, manual pot and automatic pot, such that control centre can now alter the vars on the machine. Chris O'Keefe at the SCC loaded up the machine while adjusting the VARS remotely. Chris was happy with the final adjustments and opnt	Yes

ROP Ventilation and Heat Control System

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	Closed (Yes/No)
66858	PLC & HMI Programs Changes For Heat Tracing	ROP: Ventilation & Heat Control System	06 Modification - Non-capital	6/10/2008	1. Modify heat trace zone control in plc program. The zones and appropriate thermocouple control will need to be: Valve Pit Heat Trace controlled by valve pit temperature, TUBR Heat Trace controlled by turbine pit temperature, UGBR & Domestic Water He	Changes made to the Ventilation and Heating HMI screen. Programming within the ControlLogix platform still to do. Operators have the ability to set different setpoints for Heat tracing zones via the HMI.	Yes

Work Order	Work Order Title	Entity Name	Work Type	Date work completed	Description	Closing Comments	(Yes/No)
41250	Tighten Connections	ROP: Unit 1 Brush Gear	05 Repair	4/4/2007	Loose connection on on cable going to brushes on commutator just left of ladder. See page 11 of 2005 report.	Investigation determined last thermocouple did not show hot spot at this connection. Problem was most likely corrected during last overhaul of unit. OK	Yes
53617	Record Name Plate Information	ROP: Unit 1 Brush Gear	01 Inspection/Investigation	1/10/2007	We need to gather the serial & model numbers from the IR probes & the serial number from the control board. We need to confirm which probe is connected to which control board. This may involve tracing the wiring from the probe to the board. If possible The brushgear for the slip rings is moving out of place we need to see what's require to fix this problem. We need to get the size of the slip & insulator that goes over the slip this will have to be made up at local machine shop. Also the wiring that unit	Model #OS65-J-R10-1-BB-C50. Serial #16588. Card #16588 3.Com. I-R10-4-BB-C50. Serial #15587. Card#16587 2.Neg. Ring-Model #OS65-C50. Serial #15587. Card#16587 2.Neg. Ring-Model #OS65-NAMEplate Information 1.Pos. Ring-Model#OS65-J-R10-4-BB-C50. Serial #15587. Card#16587 2.Neg. Ring-Model #OS65-NAMEplate Information 1.Pos. Ring-Model#OS65-J-R10-4-BB-C50. Serial #15587. Card #16588 3.Com. Model #OS65-J-R10-1-BB-C50. Serial #15629. Card #15629	Yes
48180	What's Required To Make Wiring Changes	ROP: Unit 1 Brush Gear	01 Inspection/Investigation	3/13/2008	Completed. OK	done under pre approved self-protection	Yes
24187	Replace Brushgear	ROP: Unit 1 Brush Gear	12 Isolation	3/26/2004			Yes
24197	Replace Brushgear	ROP: Unit 1 Brush Gear	12 Isolation	3/25/2004			Yes
24197	Replace Brushgear	ROP: Unit 1 Brush Gear	05 Repair	3/25/2004	Generator, Replace brushgear.	This includes stoning of slip & comm rings, install new holder and reset brushes. Note: short 5 comm holders	Yes
24197	Replace Brushgear	ROP: Unit 1 Brush Gear	13 Restoration	3/25/2004			Yes

ROP Turbine and Generator Control System

Work Order	Work Order Title	Entity Name	Work Type	Date Work completed	Description	Closing Comments	(Yes/No)
58851	Install & Calibrate New Frequency Isolator	ROP: Turbine & Generator Control System	05 Repair	2/1/2008	The frequency that was installed was not reading properly & couldn't be calibrated. The old unit has been sent back to manufacturer to be checked when a replacement arrives it will have to be installed.	Unit calibrated from 45 to 65 hertz, with a 4-20mA signal output to correspond installed working OK.	Yes
58851	Install & Calibrate New Frequency Isolator	ROP: Turbine & Generator Control System	05 Repair	2/1/2008	The frequency that was installed was not reading properly & couldn't be calibrated. The old unit has been sent back to manufacturer to be checked when a replacement arrives it will have to be installed.	Unit calibrated from 45 to 65 hertz, with a 4-20mA signal output to correspond Time was entered on task by mistake.	Yes
53847	Investigate Unit Failure To Sync	ROP: Turbine & Generator Control System	01 Inspection/Investigation	2/9/2007	This has happened twice in the last week with the latest being Sunday at 2:00 a.m. The first time it occurred Bill Roche and Alden Maddox attributed it to the compressor bell. This was replaced and then it occurred again on Sunday. Alden says the bell	OK	Yes
53847	Investigate Unit Failure To Sync	ROP: Turbine & Generator Control System	01 Inspection/Investigation	10/20/2006	This has happened twice in the last week with the latest being Sunday at 2:00 a.m. The first time it occurred Bill Roche and Alden Maddox attributed it to the compressor bell. This was replaced and then it occurred again on Sunday. Alden says the bell	See Kevin Gil's comments.	Yes
48351	Make Up Float Switches For Pii Flood	ROP: Turbine & Generator Control System	03 Modification - Non-capital	2/13/2006	We to make up a level switch with two floats one for trip and the other for alarm. I'll confirm the float setpoints but I think 4 to 5 inches between the floats would be ok. I need this for Rocky Pond in the next week or so. Drill holes in conduit to all	OK	Yes

ROP Thrust and Upper Guide Bearing

[illegible]

ROP Thrust and Upper Guide Bearing

[illegible]

**Inspection Reports and Assessments for Rocky Pond Plant
2003 to 2008**

2007 Dam Safety Inspection Report

**Tors Cove /
Rocky Pond
Developments**

EMBANKMENT DAM

Structure :	Franks Pond Dam #1	Date/Time :	2007-10-02
Inspected by :	GH,JW,BT, BH	Water Level :	8' below FSL
Weather :	Sunny 14°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Upstream face is in good condition. Rockfill is stable.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Downstream face in good condition. No vegetation.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Some misalignment of cutoff wall. Sheet pile appears "wavy".

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), ~~Tee~~ drain and relief wells*)

No seepage observed due to low reservoir level.

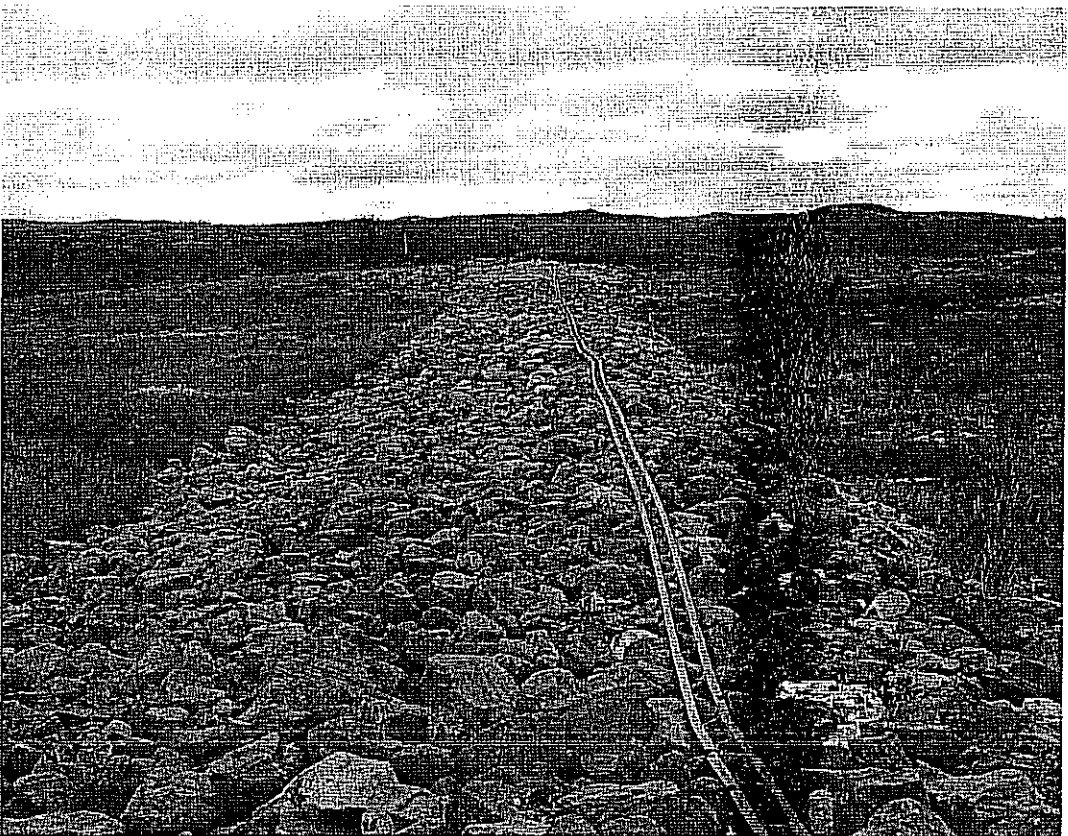
Outlet Works (*Approach & Discharge channels, Structure/Abutments, ~~Leakage~~, Operation of Gate/Lift*)

N/A

Remarks

The structure rarely impounds water.

The dam acts as an emergency spillway.



EMBANKMENT DAM

Structure : Franks Pond Dam #2 Date/Time : 2007-10-02
Inspected by : GH,JW,BT, BH Water Level : _____
Weather : Sunny 14°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap noted as steep but stable. No signs of slides or movement.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Vegetation along d/s toe.

Isolated areas of surface movement, possibly attributed to a steep slope. (see remarks)

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest in good condition.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

None observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks

Erosion observed on D/S slope near mid dam.





EMBANKMENT DAM

Structure : <u>Franks Pond Dam #3</u>	Date/Time : <u>2007-10-02</u>
Inspected by : <u>GH,JW,BT, BH</u>	Water Level : _____
Weather : <u>Sunny 14°C</u>	Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is irregular, small and sparse in some areas.

Vegetation along top of slope (small fir trees)

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

D/S slope is OK.

Minor vegetation along face and toe.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments are OK.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

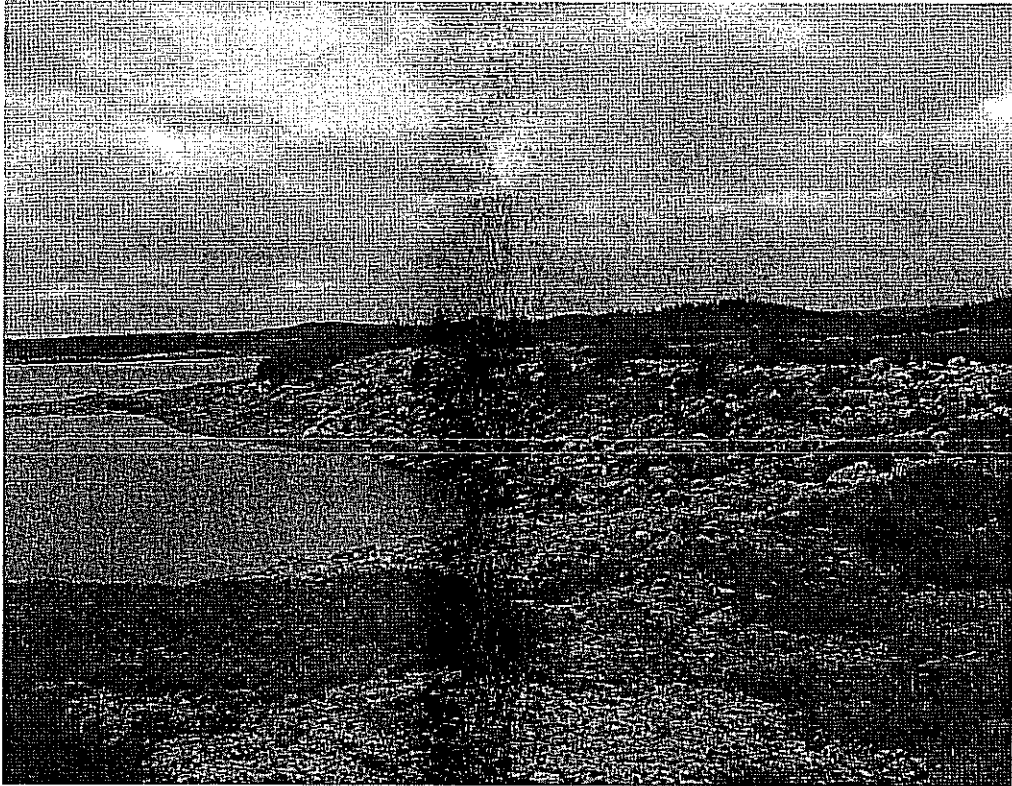
Crest is in good condition.

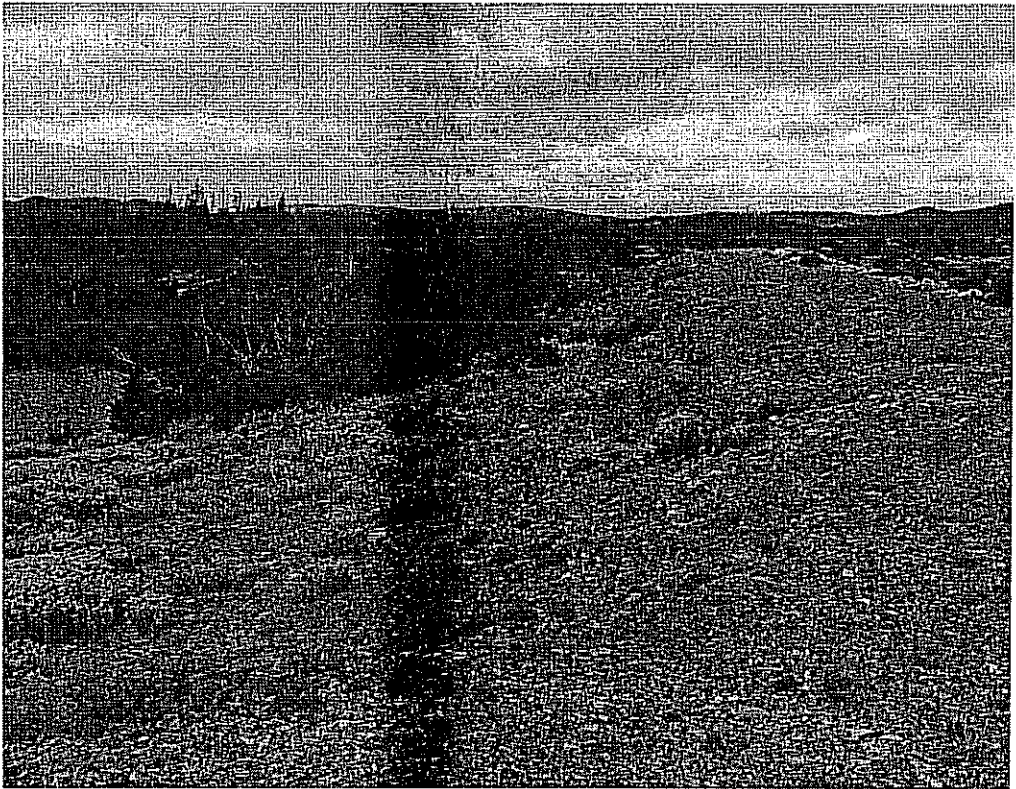
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Some minor seepage observed (previously reported). No apparent loss of material or other concerns.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Remarks





EMBANKMENT DAM

Structure :	Franks Pond Dam #4	Date/Time :	2007-10-02
Inspected by :	GH,JW,BT, BH	Water Level :	
Weather :	Sunny 14°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is sparse throughout – should be considered for future rehabilitation project.

Small amount of vegetation.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Downstream face in good condition – stable.

Minor vegetation.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition. Some vegetation present.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest in good condition.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

No seepage observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks





EMBANKMENT DAM

Structure :	Franks Pond Dam #5	Date/Time :	2007-10-02
Inspected by :	GH,JW,BT, BH	Water Level :	
Weather :	Sunny 14°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Upstream face in good condition. Good riprap slope.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slope was steep but stable – no signs of movement.

Minor vegetation.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Rockfill protection sparse in localized areas on right abutment.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest in good condition.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Small amount of leakage through steel cut-off wall. Ponding d/s toe near mid dam.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks

This structure is the primary spillway for Frank's Pond reservoir.





EMBANKMENT DAM

Structure : Franks Pond Dam #6 Date/Time : 2007-10-02
Inspected by : GH,JW,BT, BH Water Level : _____
Weather : Sunny 14°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap in good condition. Generally small in size.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slope in good condition - stable.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest was slightly irregular, but otherwise good

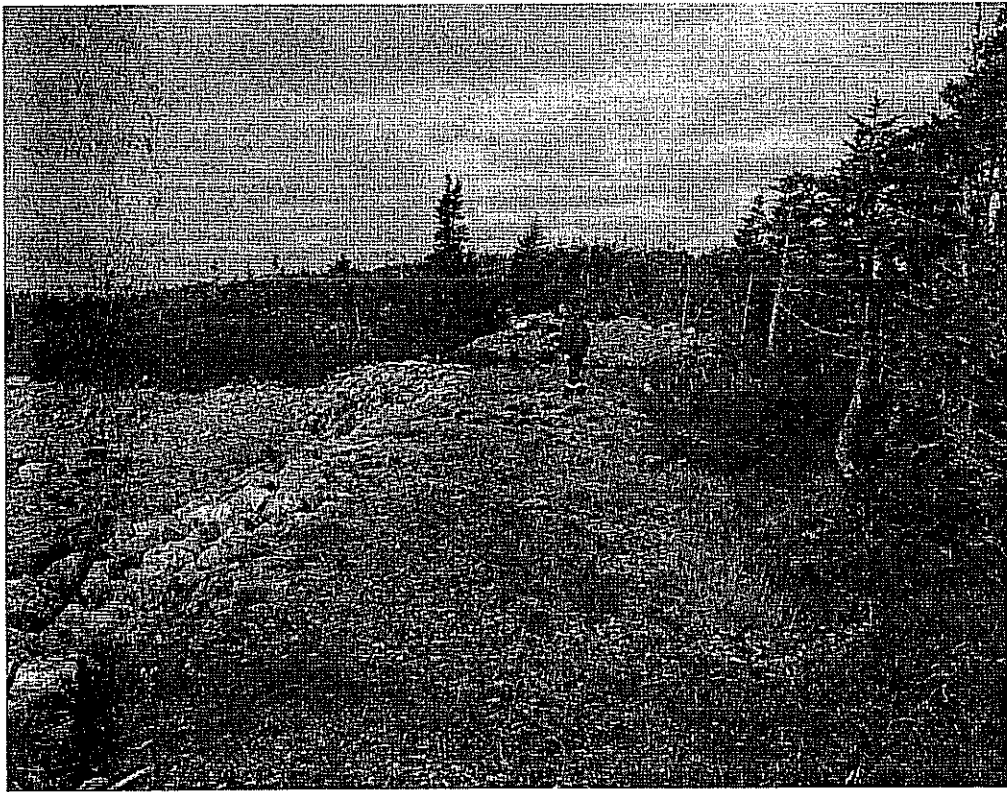
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Minor seepage observed at d/s toe near mid dam.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks





EMBANKMENT DAM

Structure : <u>Franks Pond Dam #7</u>	Date/Time : <u>2007-10-02</u>
Inspected by : <u>GH,JW,BT, BH</u>	Water Level : _____
Weather : <u>Sunny 14°C</u>	Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion—beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Upstream face in good condition. Riprap is well graded and stable, however, generally small in size..

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slope is steep. Minor erosion observed.

Grassy vegetation and small fir trees present.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were OK.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest in good condition. No unusual conditions noted.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Small amount of ponded water at d/s toe near mid dam. No flow observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks





EMBANKMENT DAM

Structure : Franks Pond Storage Dam Date/Time : 2007-10-02
Inspected by : GH,JW,BT, BH Water Level : _____
Weather : Sunny 14°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Upstream face in good condition. Riprap has been upgraded since last inspection.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slope is steep, but no movement noted.

Minor grassy vegetation present.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were OK.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest was OK. Vehicular and ATV traffic does not appear to be causing deterioration.

Minor grassy vegetation present.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

None observed.

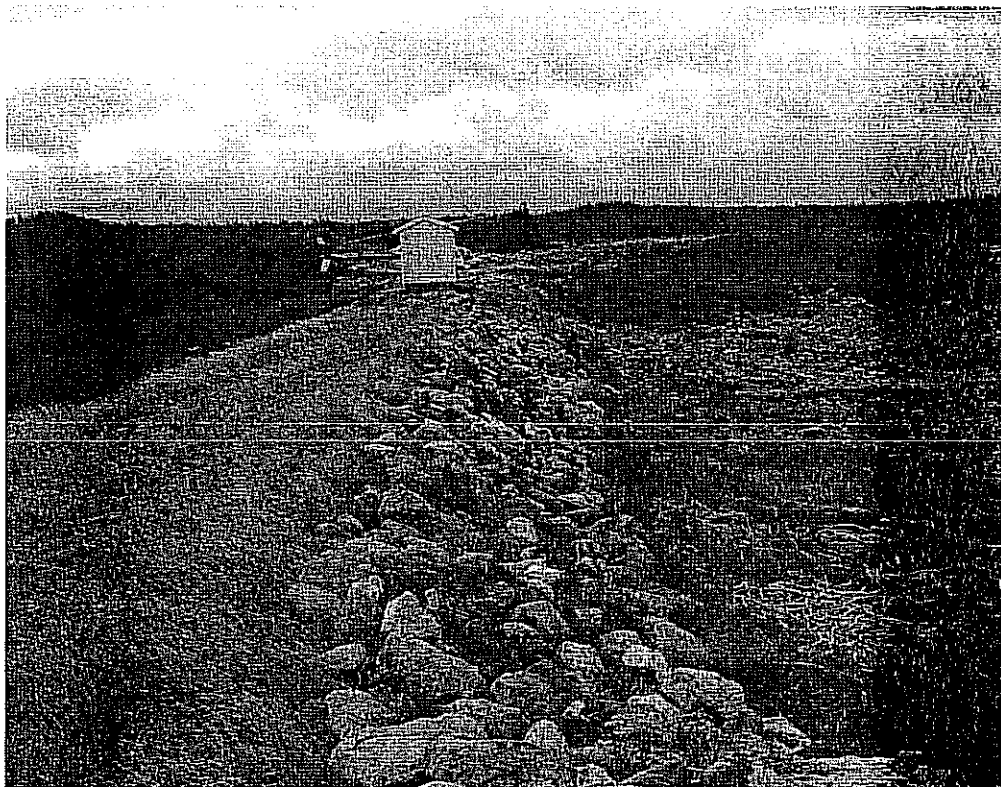
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Gate is in good operating condition.

Intake and outlet channels clear. Evidence of debris along intake channel and on dam face above intake.

Remarks

Overall good condition.





EMBANKMENT DAM

Structure : Franks Pond Canal Embankment Date/Time : 2007-10-02
Inspected by : GH,JW,BT, BH Water Level : 8" Below FSL
Weather : Sunny 14°C Releases :

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Significant vegetation throughout – otherwise good condition.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Significant vegetation throughout – no unusual conditions.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Somewhat irregular and narrow in some locations

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Difficult to detect in some locations due to vegetation. No problematic areas observed.

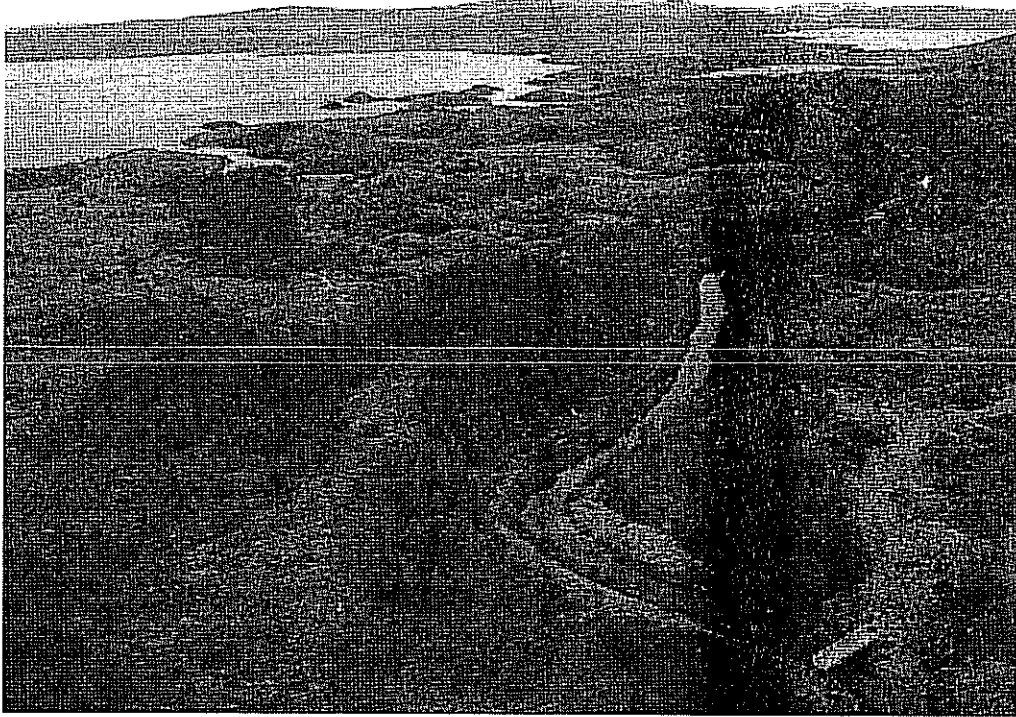
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks

Canal embankment near bridge crossing deteriorated due to ATV use.

Warning signs should be placed on bridge. This is a public safety issue.



TIMBER CRIB OVERFLOW SPILLWAY

Structure : Franks Pond Canal Spillway Date/Time : 2007-10-02
Inspected by : GH,JW,BT, BH Water Level : _____
Weather : Sunny 14°C Releases : _____

Control Structures (*Crest, Orifices*)

Timber facing and apron in fair condition.

Gates and Controls (*Type of Gate, General condition, Operation of gates at time of inspection*)

N/A

Approach Channel (*Debris, Slides over channel, Channel side slope stability, Slope protection*)

No obstructions.

Walkway (*Condition of Piers, Condition of decking and beams, Condition of rails*)

N/A

Stilling Bain (*Debris in basin, Walls movement, Walls settlement*)

No unusual conditions

Outlet Channel (*Slope Protection, Stability of Slopes, Vegetation and other obstructions*)

Clear. No obstructions.

Minor seepage observed.

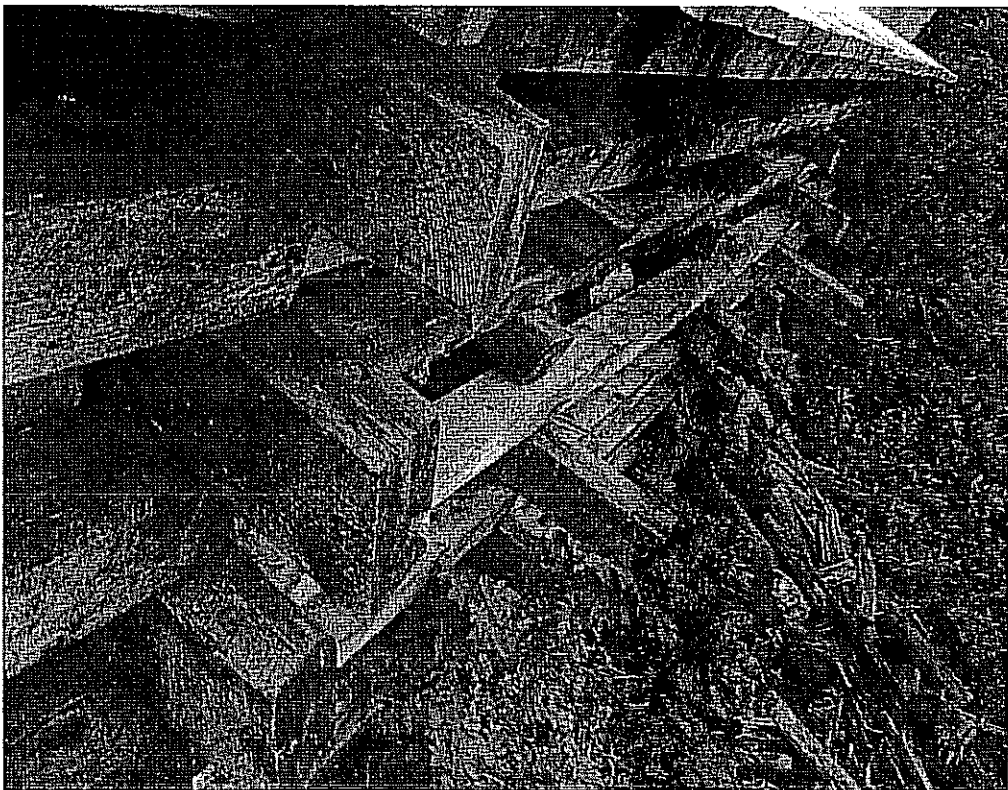
Flashboards (*Condition, Operation*)

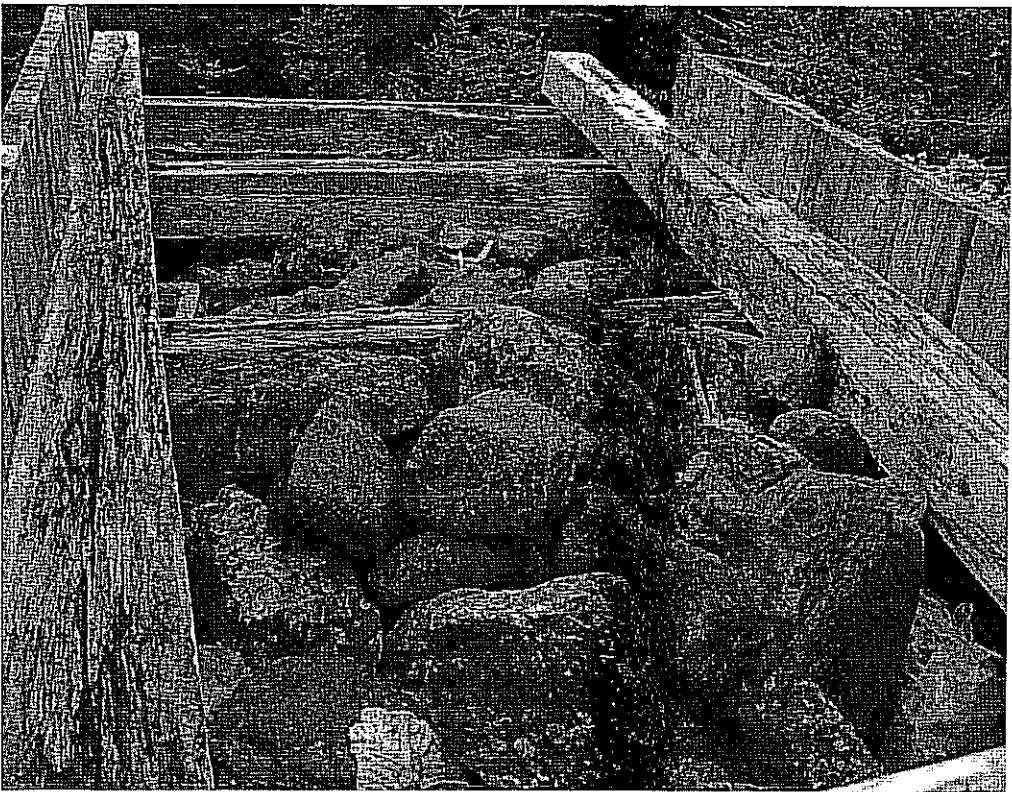
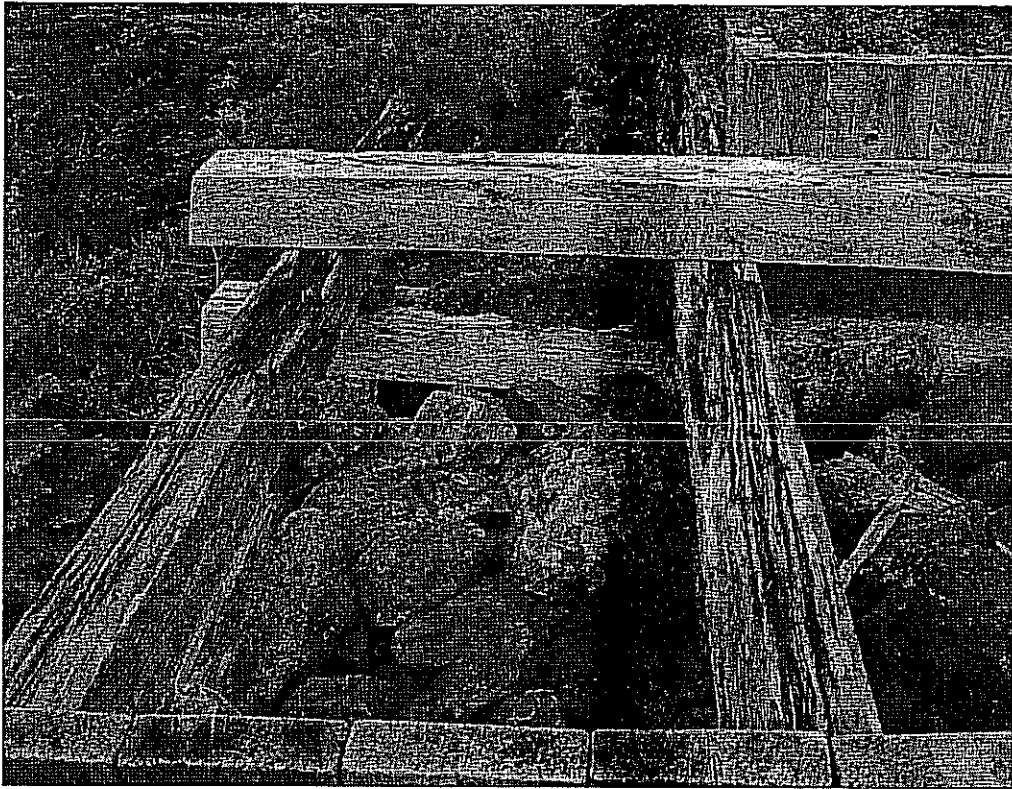
N/A

Remarks

Deterioration/rot of structural timber members is evident, particularly at the abutments.

Remnants of beaver house/dam near spillway U/S. Obstruction should be removed.





EMBANKMENT DAM

Structure :	Cape Pond Dam	Date/Time :	2007-11-05
Inspected by :	JW,JC,BH	Water Level :	
Weather :	Overcast, 5°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

The upstream face was in good condition. Riprap small but stable. No movement noted.

Some debris to be removed.

Some alder growth.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

The downstream face was in good condition. No signs of movement.

Some alder growth.

Minor surface erosion observed.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

The abutments were stable, with no unusual conditions.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

The crest was in good condition with no evidence of overtopping.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

No evidence of seepage.

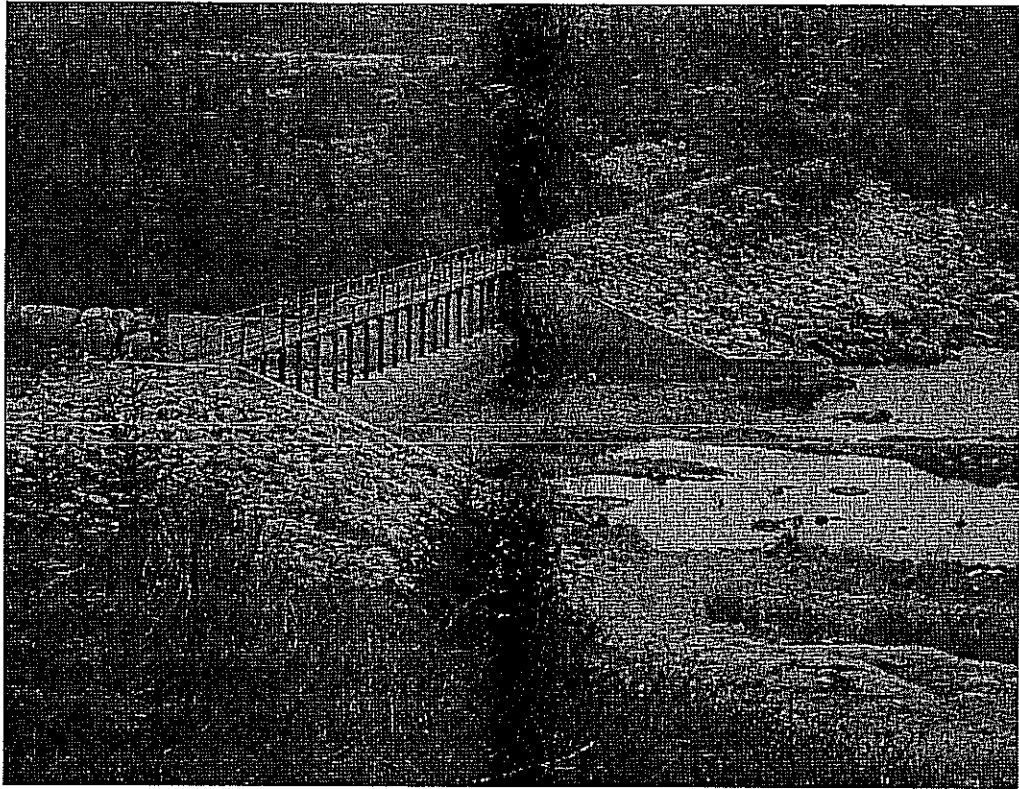
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

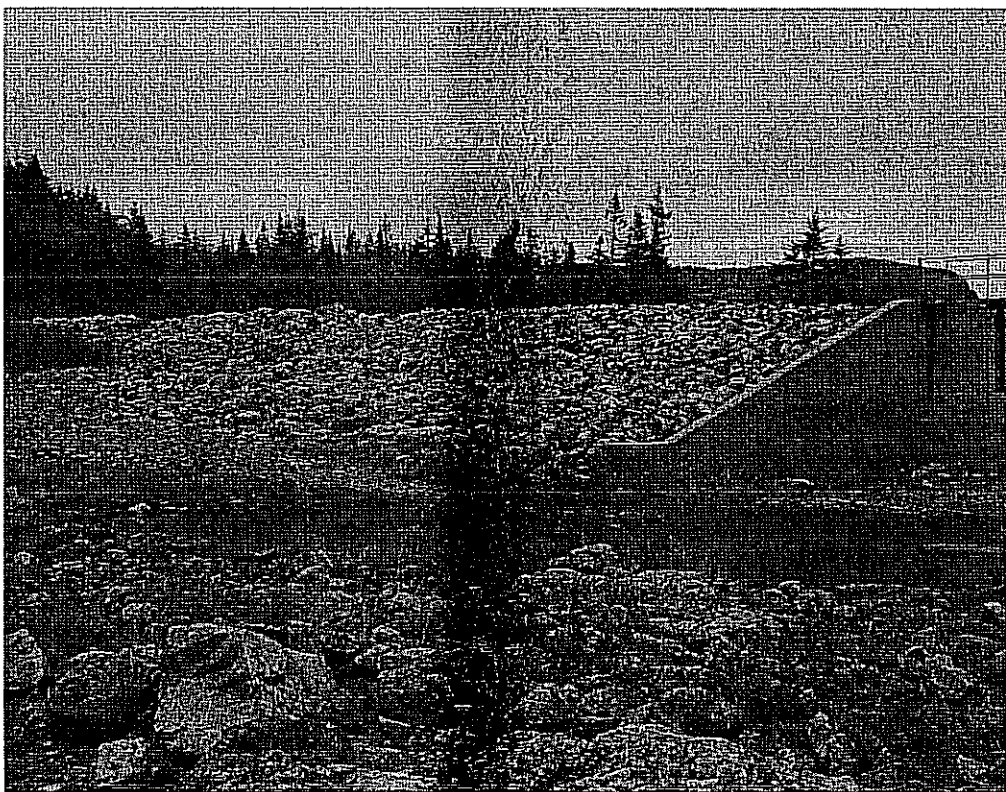
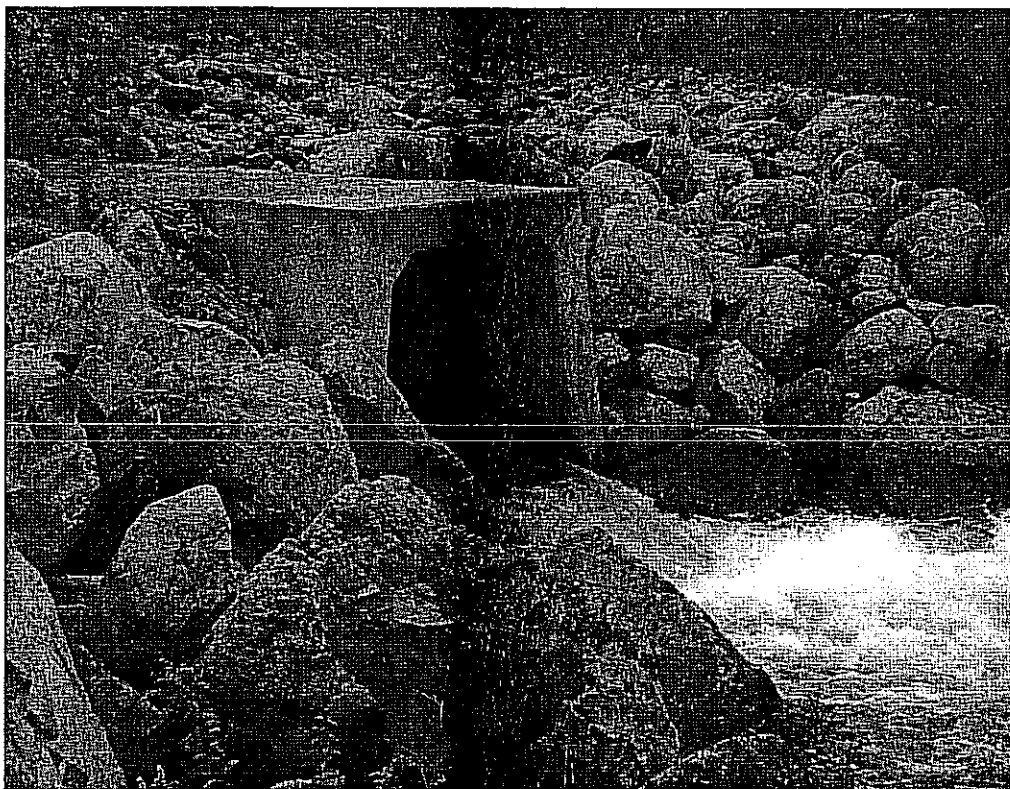
Flow is discharged without obstructions.

Gate in good operating condition

Remarks

Construction of gate house should be considered.





CONCRETE SPILLWAY

Structure :	Cape Pond Spillway	Date/Time :	2007-11-05
Inspected by :	JW,JC,BH	Water Level :	
Weather :	Overcast, 5°C	Releases :	N/A

Control Structures (*Crest, Orifices*)

Concrete is in good condition.

Gates and Controls (*Type of Gate, General condition, Operation of gates at time of inspection*)

N/A

Approach Channel (*Debris, Slides over channel, Channel side slope stability, Slope protection*)

No obstructions.

Walkway (*Condition of Piers, Condition of decking and beams, Condition of rails*)

Some surface rust on piers and handrails.

Stilling Basin (*Debris in basin, Walls movement, Walls settlement*)

Displacement of rockfill observed at d/s toe. (no change from previous report)

Outlet Channel (*Slope Protection, Stability of Slopes, Vegetation and other obstructions*)

No obstructions. Some movement of rockfill at d/s berm near concrete wing wall. (previously reported).

No signs of recent movement.

Flashboards (*Condition, Operation*)

All flashboards have been removed.

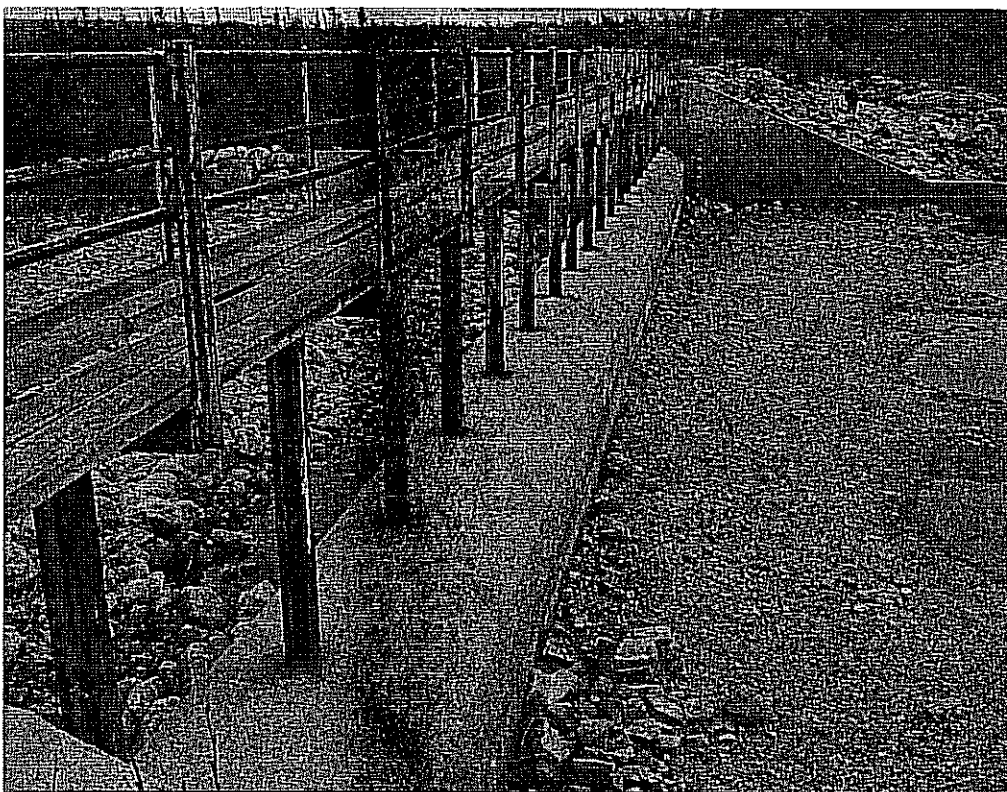
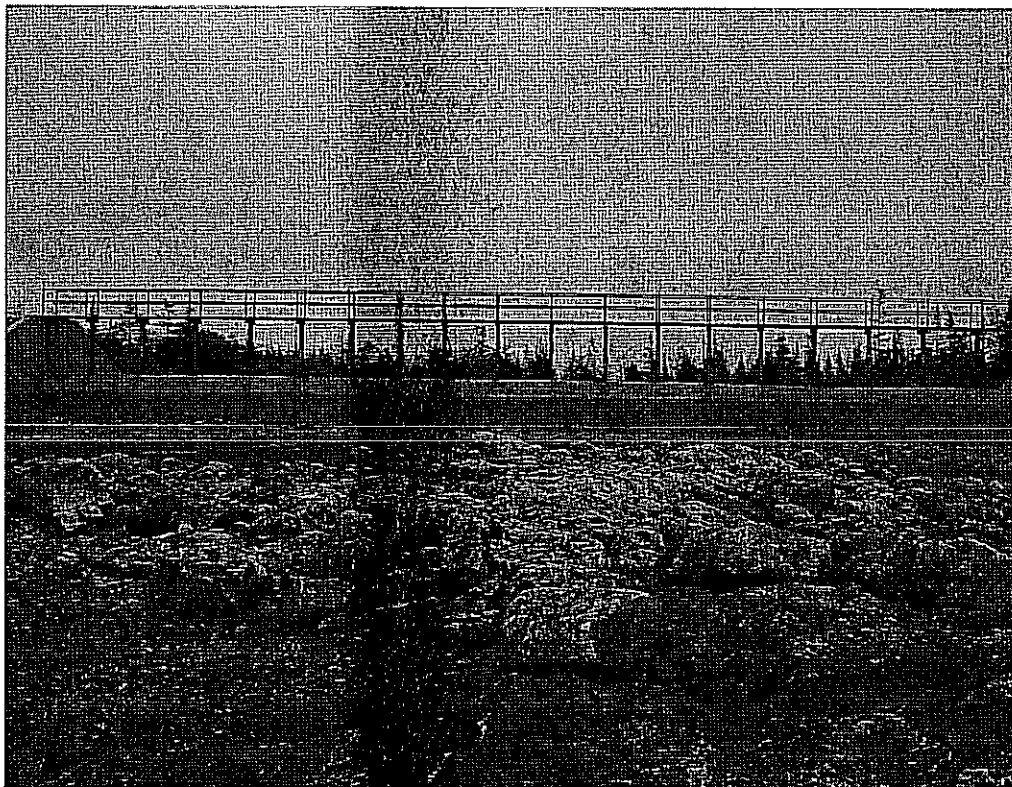
Abutments (*Condition, Seepage around dam – location/amount*)

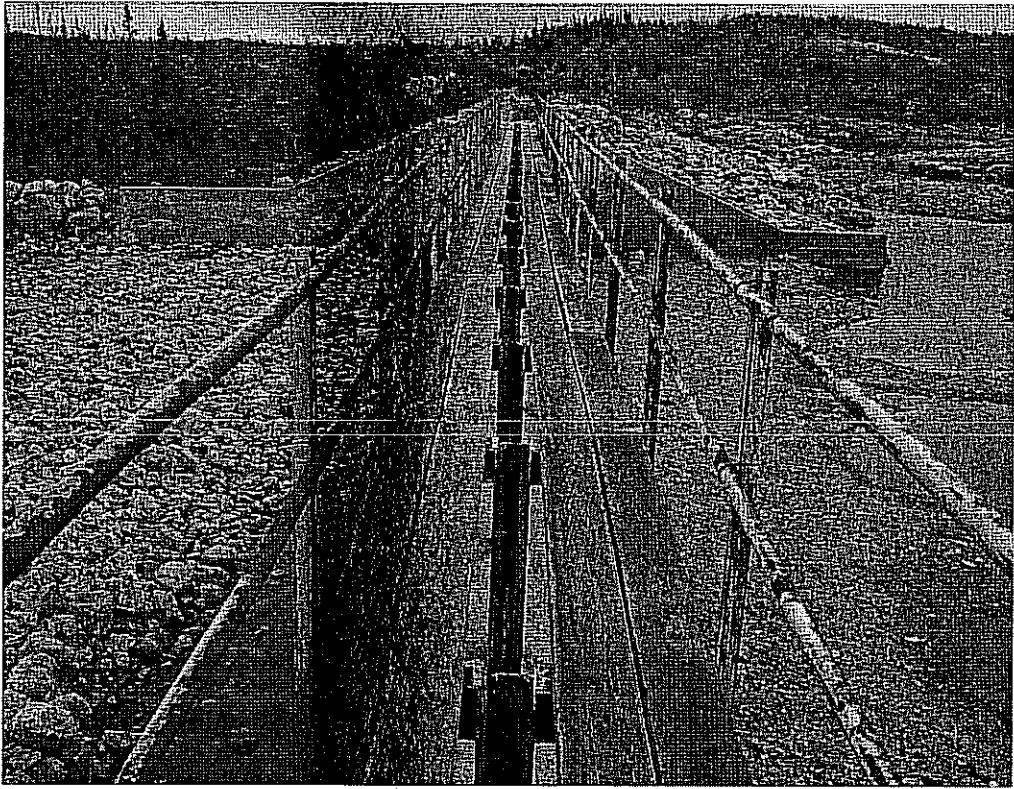
Concrete is in good condition with some isolated cracks.

The riprap wing walls do not show indications of any recent deterioration resulting from recent spill events.

Remarks

Check requirement for flash boards. If not required, consider cover for walkway opening.





ROCKFILL OVERFLOW SPILLWAY

NOT Inspected at this time

Structure :	<u>Cluneys Canal Diversion Dam/Spillway</u>	Date/Time :	<u>2007-11-06</u>
Inspected by :	<u>JW,JC,BH</u>	Water Level :	<u></u>
Weather :	<u>Overcast, 5°C</u>	Releases :	<u>N/A</u>

Upstream Face (*Slide movements, Slope protection, Erosion—beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

No problems noted. Rockfill in good condition.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Other*)

Downstream face appears OK.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

The abutments were in good condition. Cutting and clearing of vegetation is required.

Stilling Basin (*Debris, Walls movement/settlement/joints/erosion*)

N/A

Outlet Channel (*Slope protection, Stability of side slopes, Vegetation/obstructions, Debris in water, Stoplogs condition/operation*)

No obstructions to flow.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Significant vegetation growth which should be cut and cleared from the crest.

Galvanized steel cut-off wall appears to be in good condition.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

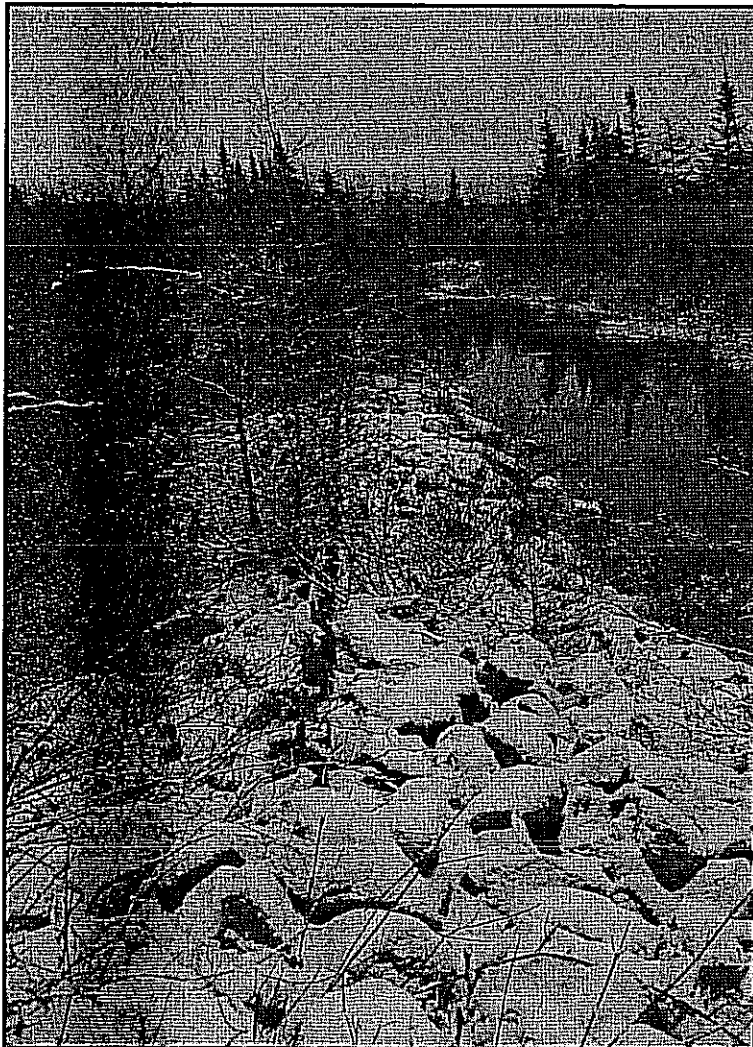
None observed.

Approach Channel (*Slides above channel, Stability of side slopes, Log boom, Debris, Slope protection*)

Clear.

Remarks

This structure is also referred to as the ; "High Speed Spillway"



ROCKFILL OVERFLOW SPILLWAY

Structure :	Cluneys Upstream Dam/Spillway	Date/Time :	2007-11-05
Inspected by :	JW,JC,BH	Water Level :	
Weather :	Overcast, 5°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion–beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is stable – somewhat small and sparse in some locations.

Minor vegetation present

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Other*)

Rockfill is irregular with some holes.

Minor vegetation along the d/s toe.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were in fair condition, with some voids noted in the rock fill.

Rock fill should be regraded.

Stilling Basin (*Debris, Walls movement/settlement/joints/erosion*)

N/A

Outlet Channel (*Slope protection, Stability of side slopes, Vegetation/obstructions, Debris in water, Stoplogs condition/operation*)

Clear.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Some vegetation and debris (driftwood) along the crest.

Steel cut-off wall showing signs of deterioration (corrosion), but not leaking at this time.

Minor settlement of riprap along steel cut-off wall.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

No seepage observed.

Approach Channel (*Slides above channel, Stability of side slopes, Log boom, Debris, Slope protection*)

Clear

Remarks



OUTLET WORKS

Structure : <u>Cluneys Control Structure</u>	Date/Time : <u>2007-11-05</u>
Inspected by : <u>JW,JC,BH</u>	Water Level : _____
Weather : <u>Overcast, 5°C</u>	Releases : <u>Gat fully open</u>

Intake (*Trash rack, Concrete*)

Clear

Outlet Conduit (*Metal work*)

N/A

Control Facilities (*Gatehouse, Crane, Gate/Controls—description/condition, Operation, Mechanical items, Ventilation, Lighting, Stoplogs condition/seals*)
Damage to bottom of gate.

Chute (*Debris, Walls movement/settlement/joints/cracks/backfill*)

Clear

Floor (*Movement, Settlement, Joints, Drains, Cracks, Condition of concrete, Settlement, Stress cracks, Movement*)

N/A

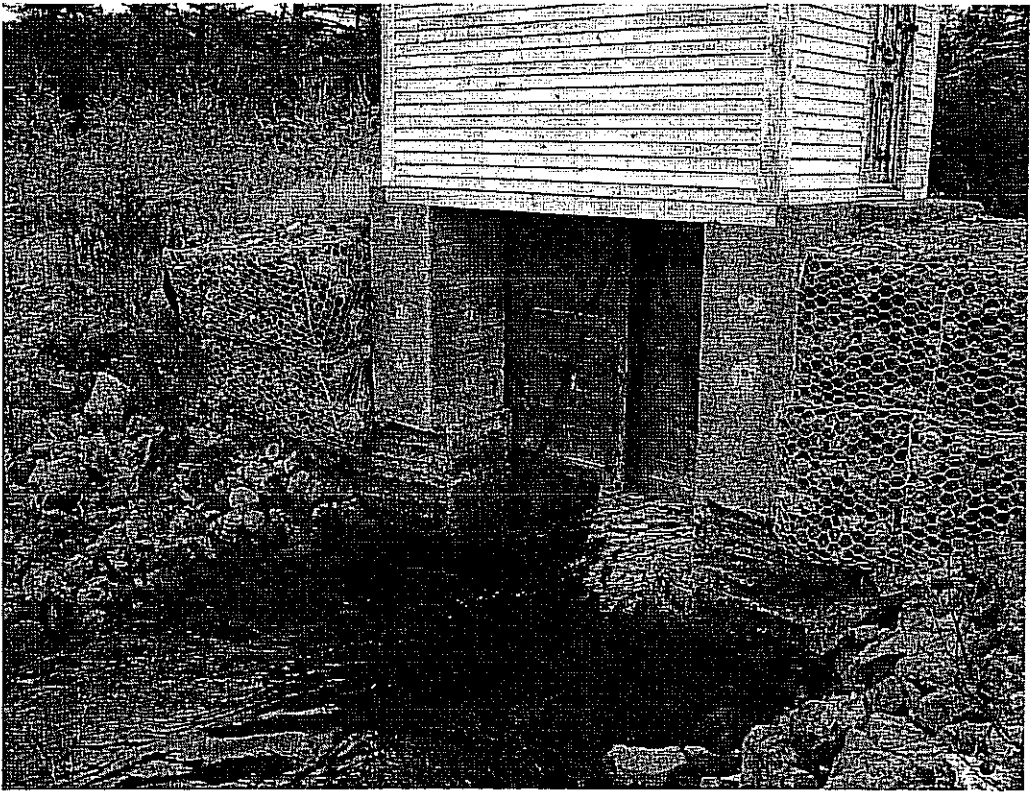
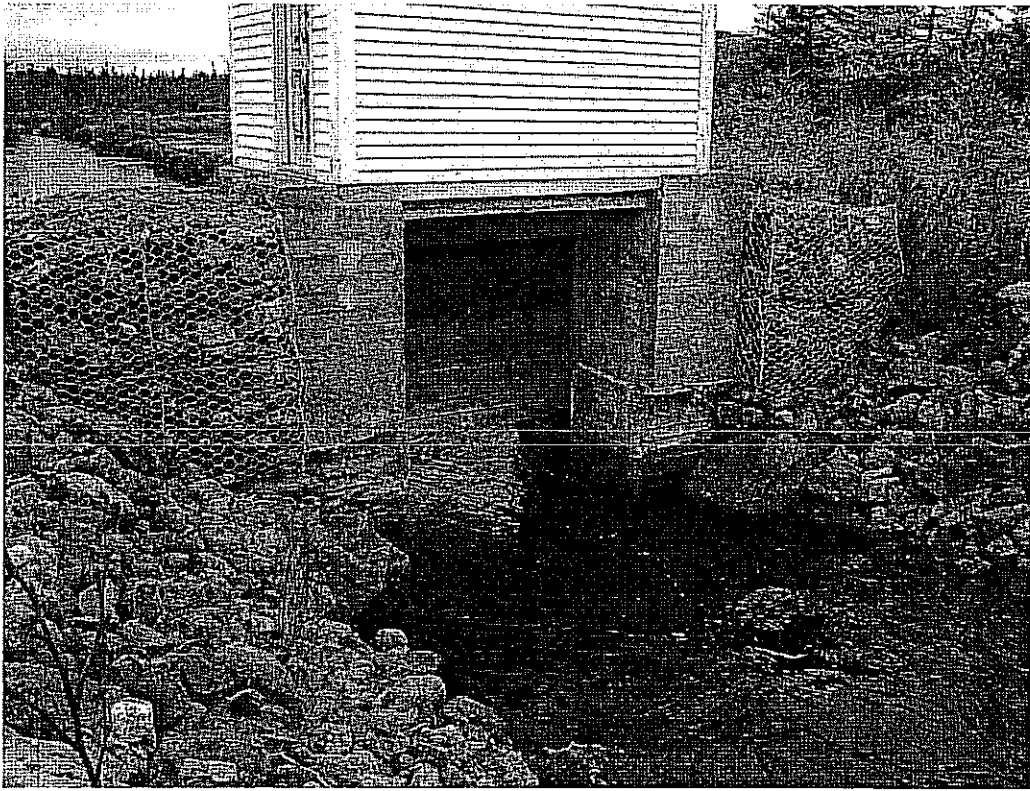
Stilling Basin (*Debris in basin, Walls movement, Walls settlement*)

Outlet Channel (*Slope protection, Stability of side slopes, Vegetation/obstructions, Debris*)

Clear

Remarks

Gabion abutments are leaned and buckling – should be repaired or removed.



EMBANKMENT DAM

Structure :	Cluneys Canal Embankment	Date/Time :	2007-11-06
Inspected by :	JW,JC,BH	Water Level :	
Weather :	Overcast, 5°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is small and somewhat sparse.

Significant vegetative growth in some areas (d/s of control structure, u/s of weir).

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Vegetation along toe.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

The crest was in good condition but undulating.

Minor vegetation present

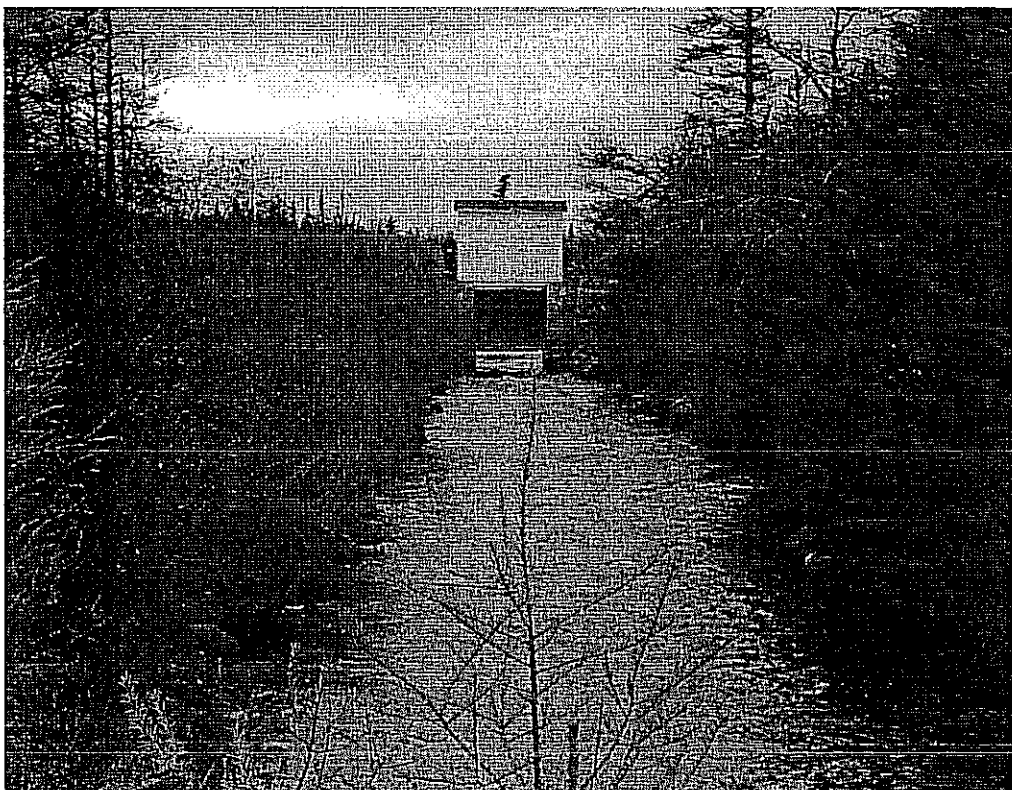
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

No seepage observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks



TIMBER-CRIB DAM

Structure :	Cluneys Downstream Dam/Spillway	Date/Time :	2007-11-06
Inspected by :	JW,JC,BH	Water Level :	
Weather :	Overcast, 5°C	Releases :	

Structure (*Timber structural members, Timber planking, Crib content*)

Timbers in poor condition with isolated deterioration (rot).

D/S rip rap/rock fill undersize, sparse and erratic. Evidence of rock fill movement.

Upstream Face (*Alignment, Seepage on d/s face, Downstream toe settlement*)

The planks along the upstream face are in poor condition.

Steep slope on embankment sections with evidence of rip rap movement.

Evidence of embankment deterioration due to ATV traffic

Crest (*Surface cracking, Settlement*)

Small amount of erosion adjacent to abutment on left-hand side.

Evidence of deterioration due to ATV traffic

Section of spillway crest is rotted and broken.

Abutments (*Condition, Seepage around dam – location/amount*)

The abutments were in good condition – good timbers and ballast.

Dam embankment section eroded and deteriorated u/s and d/s.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

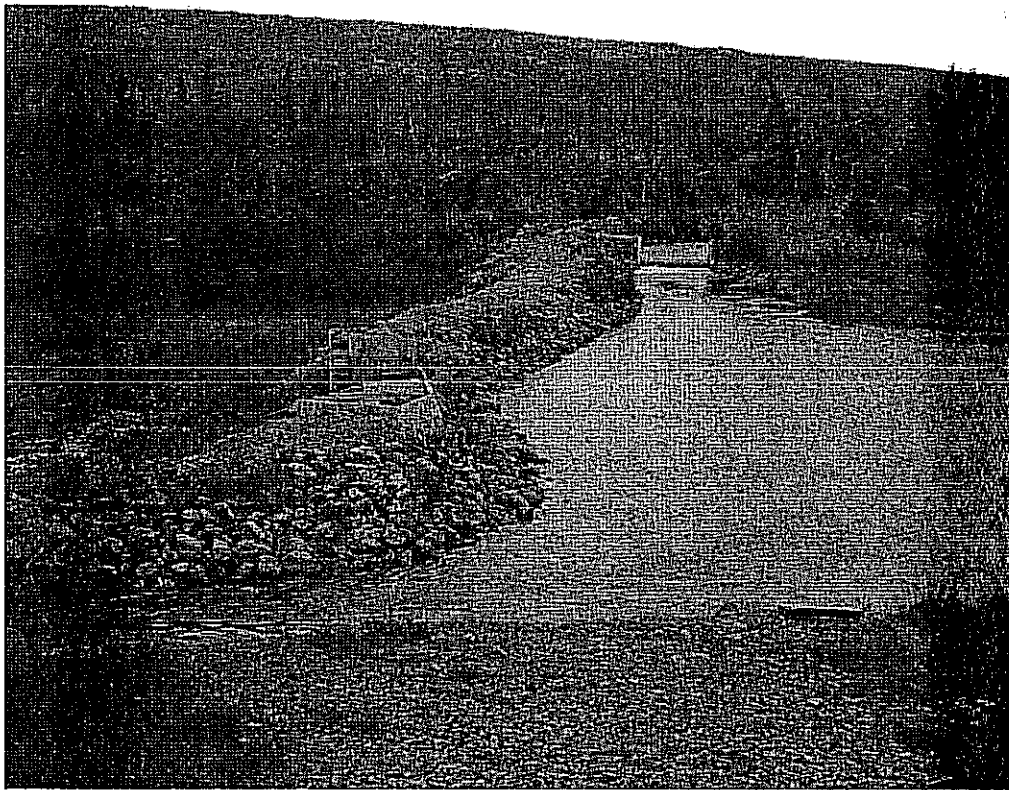
Remarks

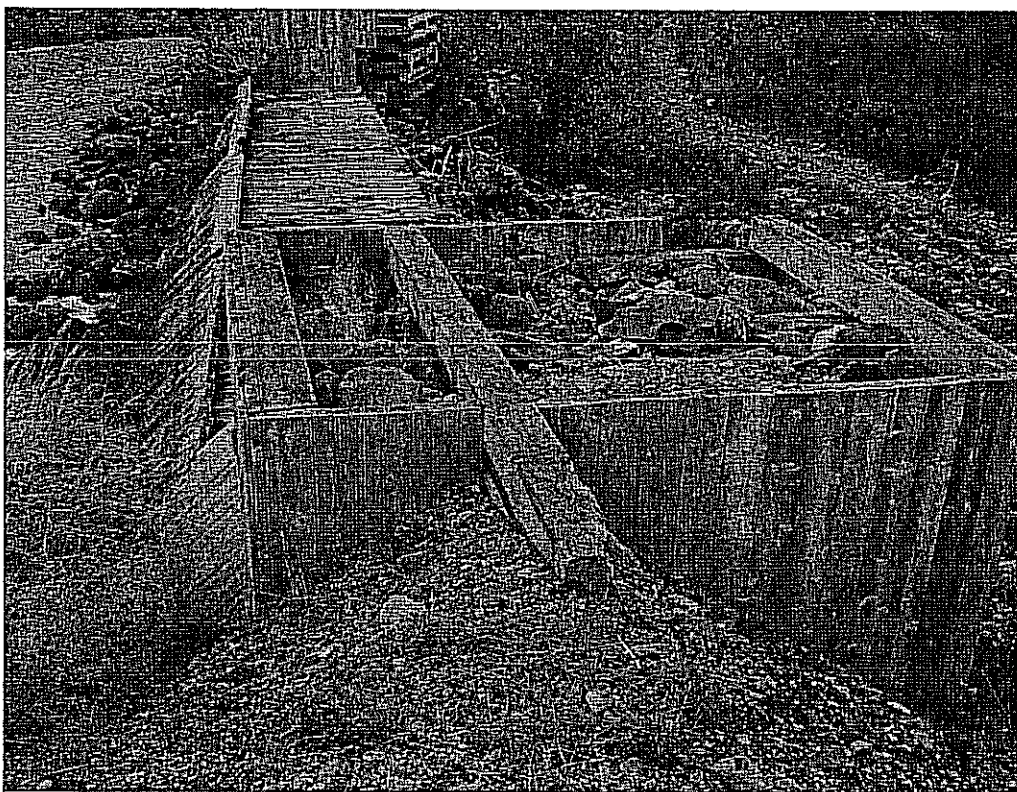
Some debris to be removed from d/s toe.

Leakage observed at toe near right-hand side abutment.

Access bridge should be considered for repairs or replacement,

Cluney's weir is in good condition.





ROCKFILL OVERFLOW SPILLWAY

Structure :	Long Pond Dam	Date/Time :	2007-11-05
Inspected by :	JW,JC,BH	Water Level :	
Weather :	Overcast, 5°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

The upstream face was in fair to good condition. Riprap was somewhat irregular.

Riprap improvements should be considered. (re-grade existing, import additional riprap)

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Other*)

Small gaps observed in downstream overflow rock fill zone. Regrading of rock fill is required.

Vegetation present on the downstream face – should be cleared. Some clearing completed since last report.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Rock fill protection is sparse.

Stilling Basin (*Debris, Walls movement/settlement/joints/erosion*)

Some standing water at downstream toe.

Outlet Channel (*Slope protection, Stability of side slopes, Vegetation/obstructions, Debris in water, Stoplogs condition/operation*)

Clear – no obstructions to flow.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Rock fill grade is significantly lower than the design crest elevation at various locations along the crest.

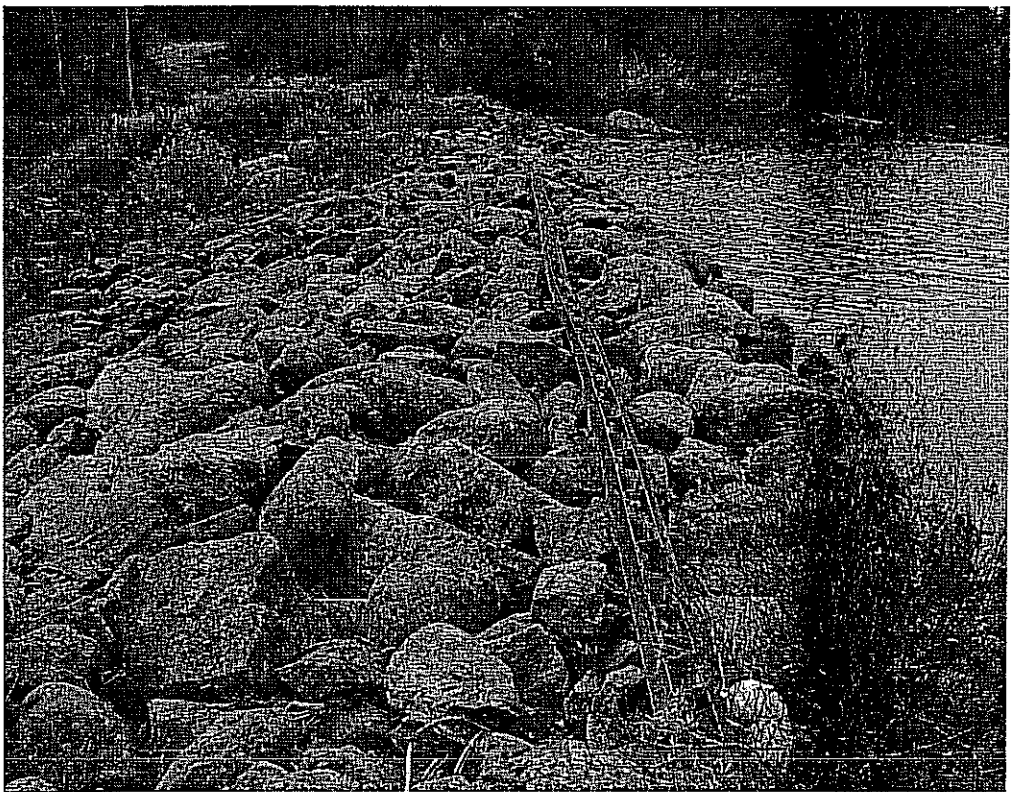
Significant voids/holes in riprap immediately adjacent to the steel cut-off wall.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Approach Channel (*Slides above channel, Stability of side slopes, Log boom, Debris, Slope protection*)

No obstructions.

Remarks



EMBANKMENT DAM

Structure :	Rocky Pond Freeboard Dam #1	Date/Time :	2007-11-05
Inspected by :	JW,JC,BH	Water Level :	
Weather :	Overcast, 5°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap protection is fair – sparse in some locations. No problems observed.

Grassy vegetation present

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Downstream face in good condition. No evidence of movement.

Minor vegetation present.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Good transition to natural banks.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest was in good condition – no problems caused by vehicular traffic.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

None observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks

Dam in good condition overall.



Rocky Pond Freeboard Dam No. 1

EMBANKMENT DAM

Structure : Rocky Pond Freeboard Dam #2 & #3 Date/Time : 2007-11-05
Inspected by : JW,JC,BH Water Level : _____
Weather : Overcast, 5°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Slopes are stable. Minor vegetation present.

Rock fill protection is in fair condition.

Riprap erratic and does not extend to the upper sections of the slope.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slopes are stable. No signs of movement.

Moderate vegetation present

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

The abutments are in good condition. No unusual conditions.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest was in good condition. No deterioration of crest due to vehicular traffic.

No vegetation observed.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Area of ponded water at d/s toe of dam #2 (same level as reservoir). No flow observed.

Remarks

Vegetation previously cleared in 2004.

No signs of erosion caused by recent high storage levels.



Rocky Pond Freeboard Dam No. 2



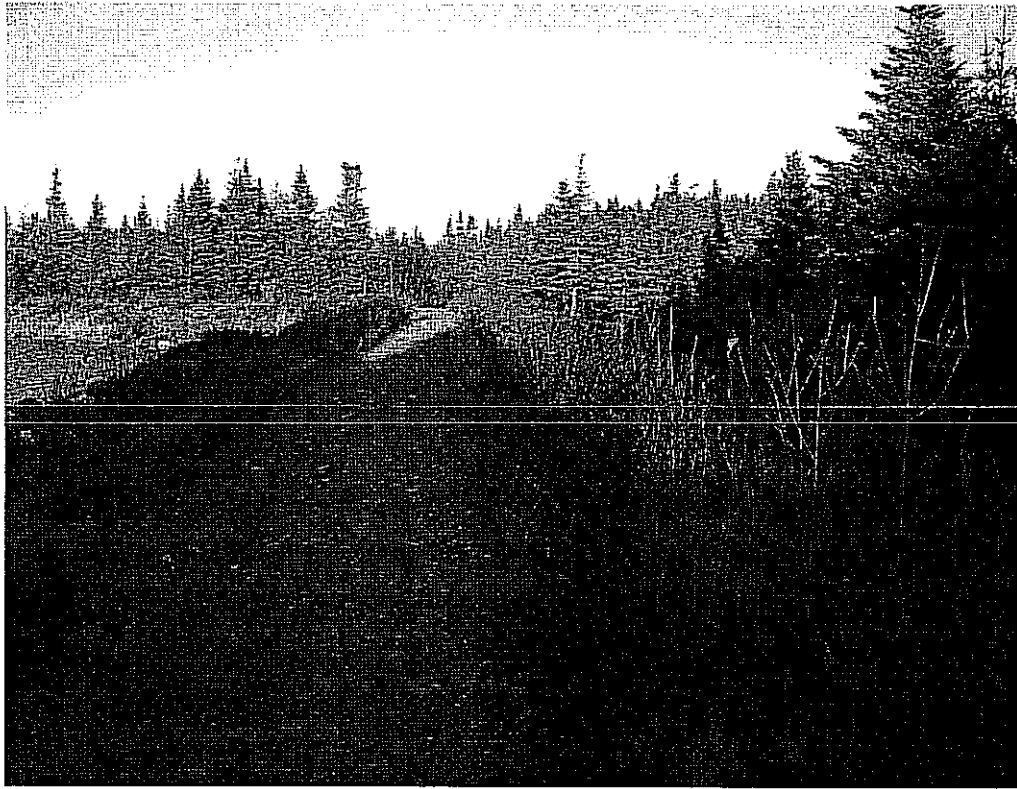
Rocky Pond Freeboard Dam No. 2



Rocky Pond Freeboard Dam No. 3



Rocky Pond Freeboard Dam No. 3



Rocky Pond Freeboard Dam No. 2 (upper left)

Rocky Pond Freeboard Dam No. 3 (center)

EMBANKMENT DAM

Structure :	Rocky Pond Forebay Dam	Date/Time :	2007-11-05
Inspected by :	JW,JC,BH	Water Level :	
Weather :	Overcast, 5°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion—beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is generally undersize with some voids observed in the riprap.

Should consider increasing freeboard protection.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Downstream face was in good condition. Slopes are steep but appear to be stable.

Moderate vegetation present.

Appears riprap is slowly moving down slope.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

South abutment is OK. North concrete abutment in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

The crest is in good condition. No problems observed.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

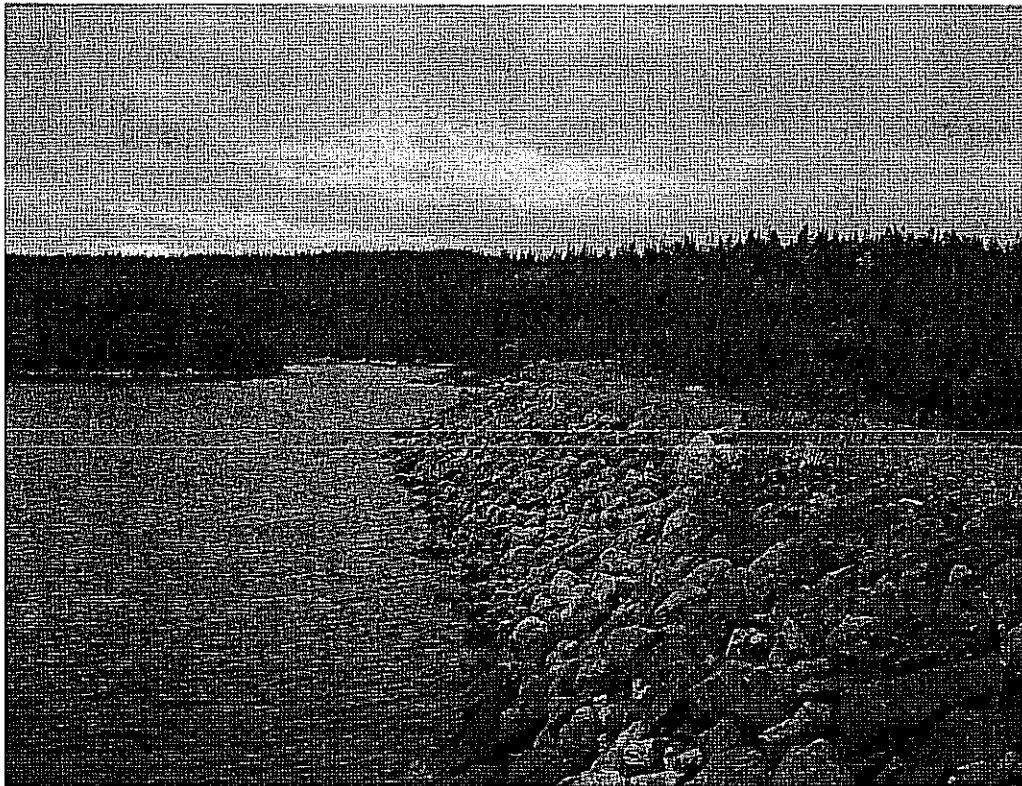
Small amount of standing water observed at d/s toe near mid-section of dam (deepest section). Otherwise, very little seepage observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Intake structure not inspected at this time.

Remarks

Reservoir spills infrequently.



CONCRETE SPILLWAY

Structure :	<u>Rocky Pond Forebay Spillway</u>	Date/Time :	<u>2007-11-05</u>
Inspected by :	<u>JW,JC,BH</u>	Water Level :	<u></u>
Weather :	<u>Overcast, 5°C</u>	Releases :	<u></u>

Control Structures (*Crest, Orifices*)

Concrete crest is in good condition. Normal signs of concrete aging observed.

Gates and Controls (*Type of Gate, General condition, Operation of gates at time of inspection*)

N/A

Approach Channel (*Debris, Slides over channel, Channel side slope stability, Slope protection*)

Clear - no obstructions

Walkway (*Condition of Piers, Condition of decking and beams, Condition of rails*)

N/A

Stilling Basin (*Debris in basin, Walls movement, Walls settlement*)

Good - no debris present.

Outlet Channel (*Slope Protection, Stability of Slopes, Vegetation and other obstructions*)

Grassy vegetation – not an obstruction to flow.

Gouging observed – ice dam formed and broke during 2006

Minor gouging observed at toe of spillway.

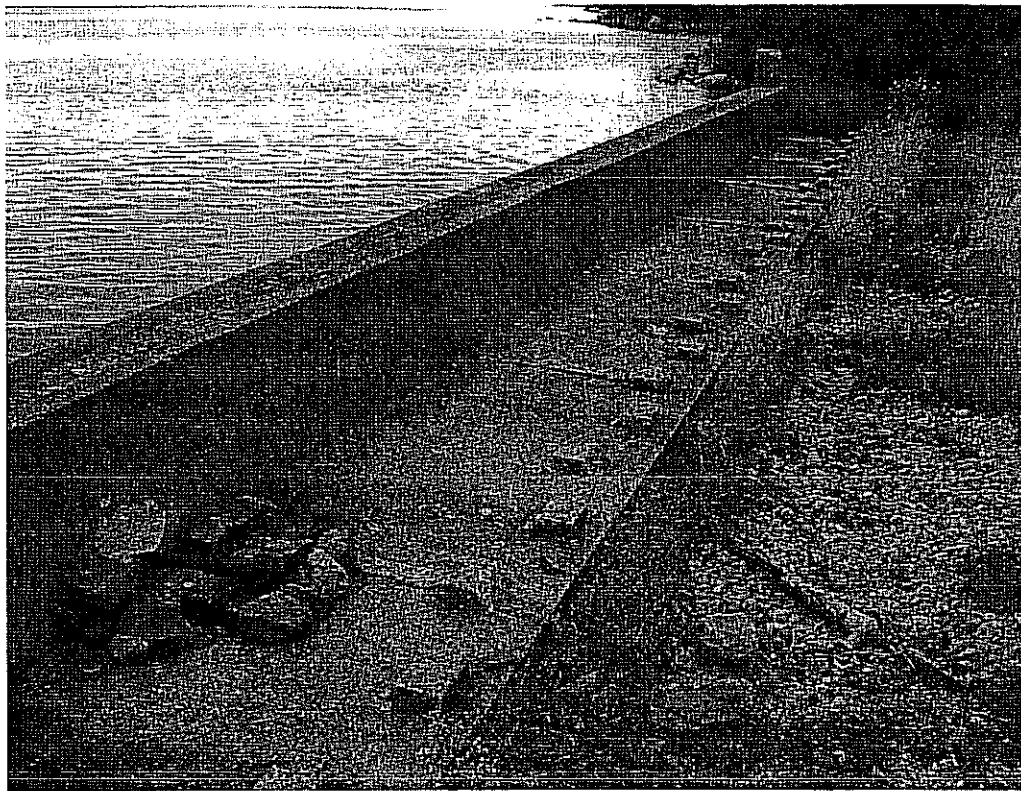
Flashboards (*Condition, Operation*)

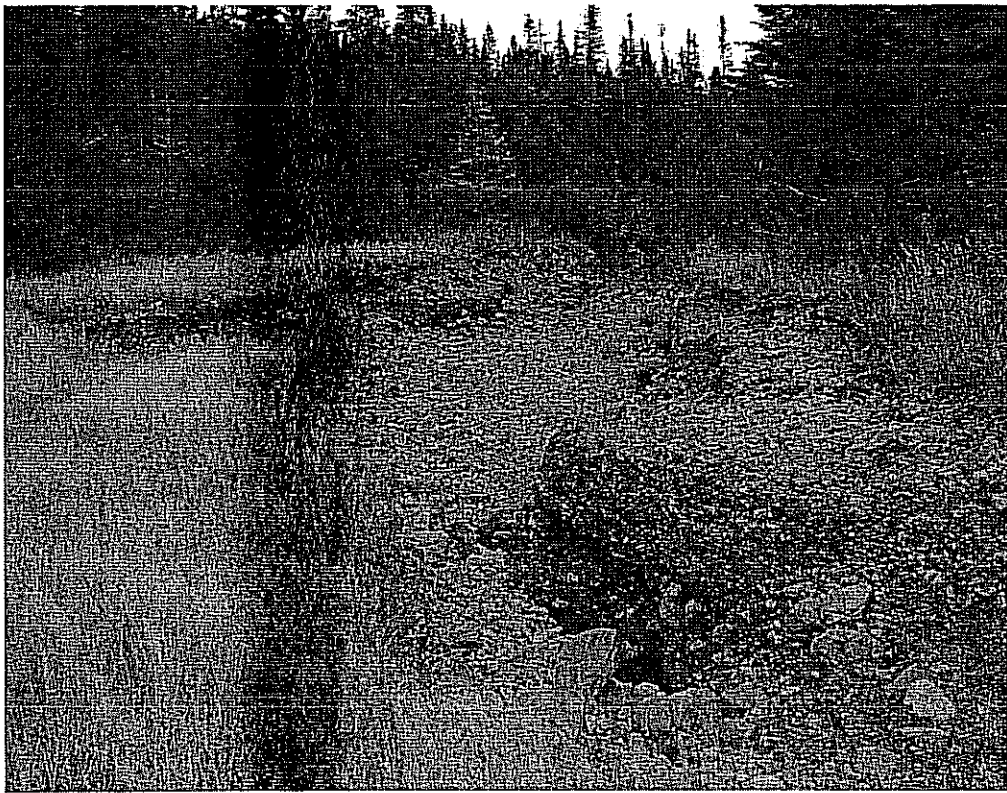
N/A

Abutments (*Condition, Seepage around dam – location/amount*)

Remarks

East concrete abutment repaired during 2003.





EMBANKMENT DAM

Structure :	Tors Cove West Dam	Date/Time :	2007-12-12
Inspected by :	BT,BH	Water Level :	2.7' below FSL
Weather :	Overcast, Light snow -2°C	Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Dam Improvements completed during 2006.

Slopes stable. No signs of riprap movement.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Dam Improvements completed during 2006.

Slopes stable. No signs of erosion.

Abutments (*Seepage, Cracks/joints/faulting planes, Slides, Signs of movement*)

Abutments in good condition. No unusual conditions noted.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest freeboard elev. Increased during improvements in 2006. No signs of overtopping.

Rutting due to ATV traffic observed. Integrity of the dam not affected.

Seepage and Drainage (*Location(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

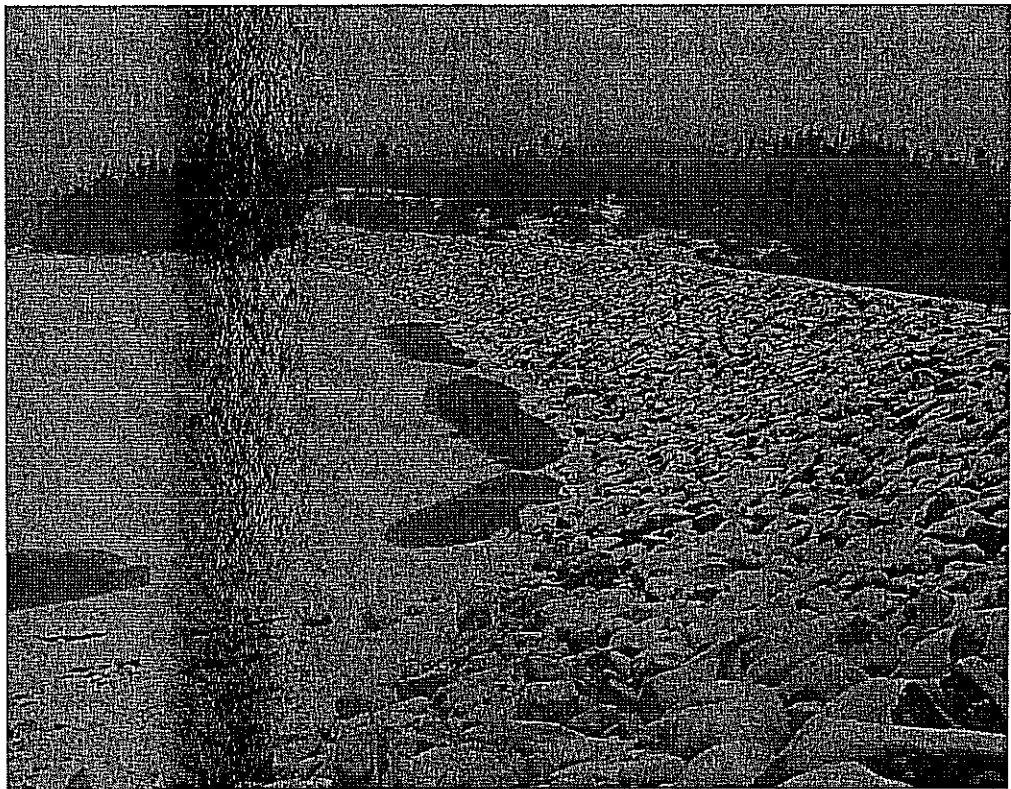
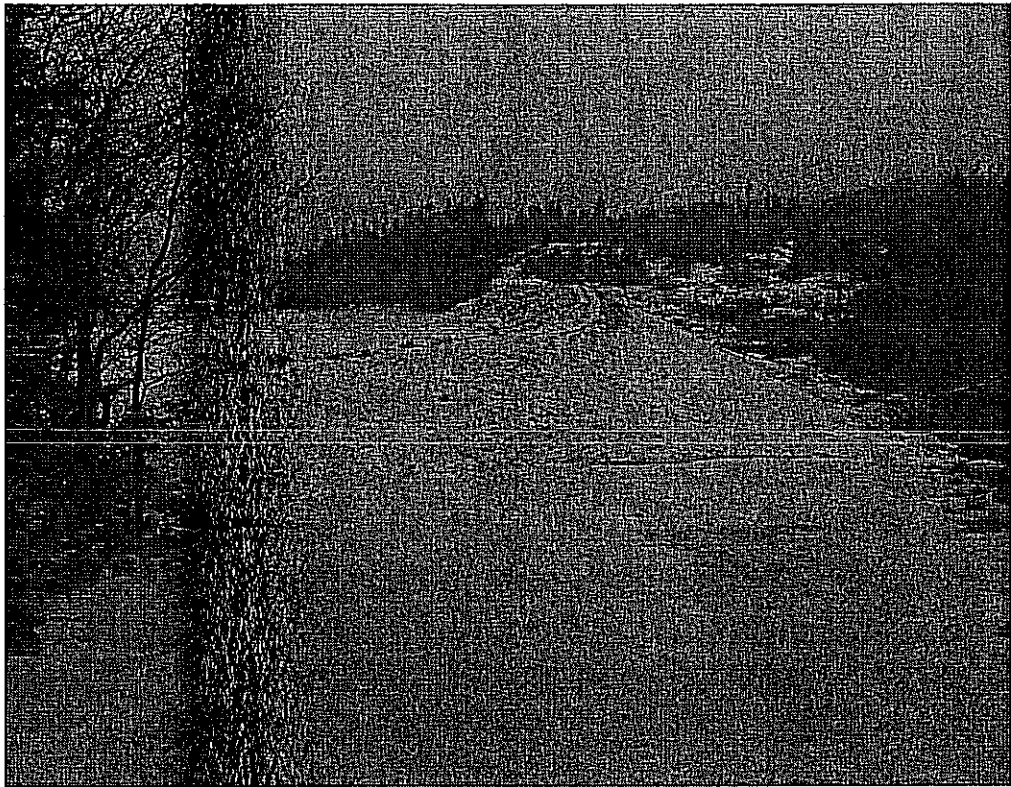
Small amount of seepage at d/s toe — no apparent change from previous inspection.

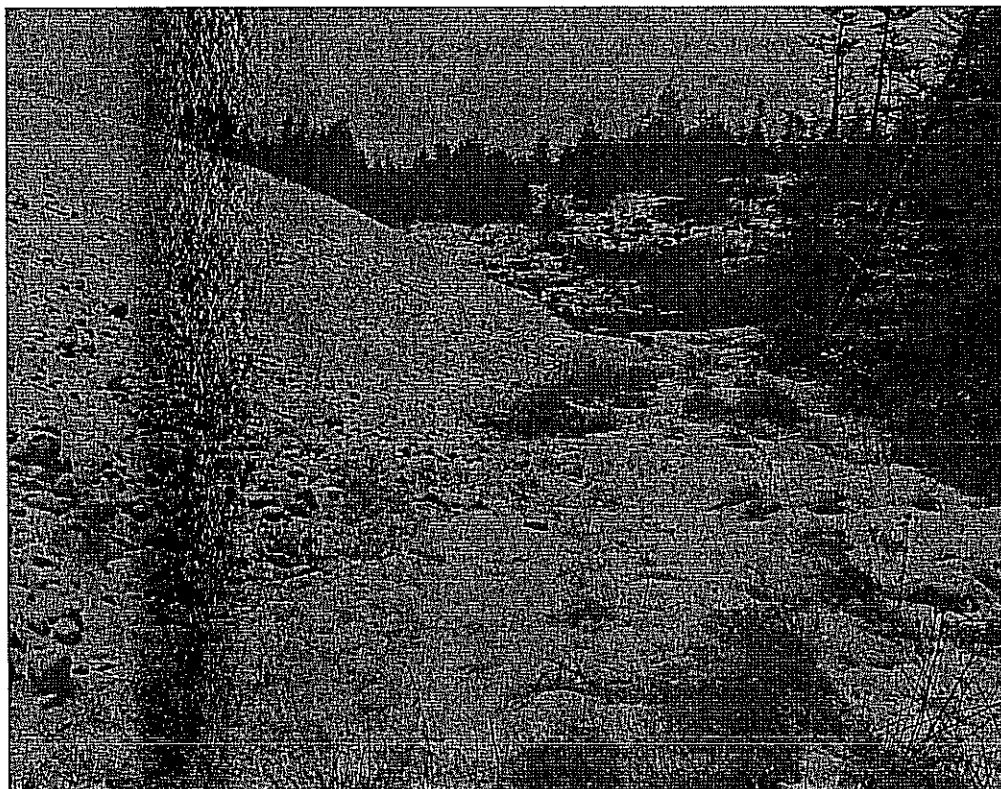
One area of ponded water located halfway up the slope at the north end.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks





EMBANKMENT DAM

Structure :	<u>Tors Cove East Dam</u>	Date/Time :	<u>2007-12-12</u>
Inspected by :	<u>BT,BH</u>	Water Level :	<u>2.7' below FSL</u>
Weather :	<u>Overcast, Light snow - 2°C</u>	Releases :	<u></u>

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Dam improvements completed during 2006

Slope stable. No sign of riprap movement

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Dam improvements completed in 2006.

Slope stable. No sign of erosion.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments are in good condition. No unusual conditions.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Good.

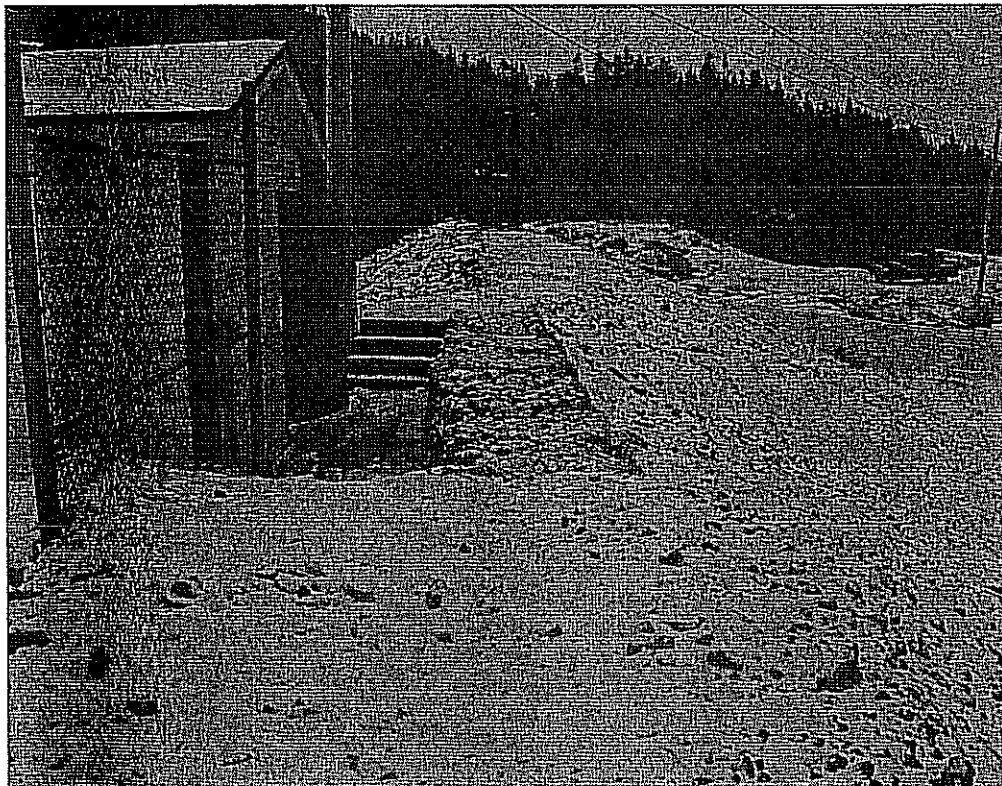
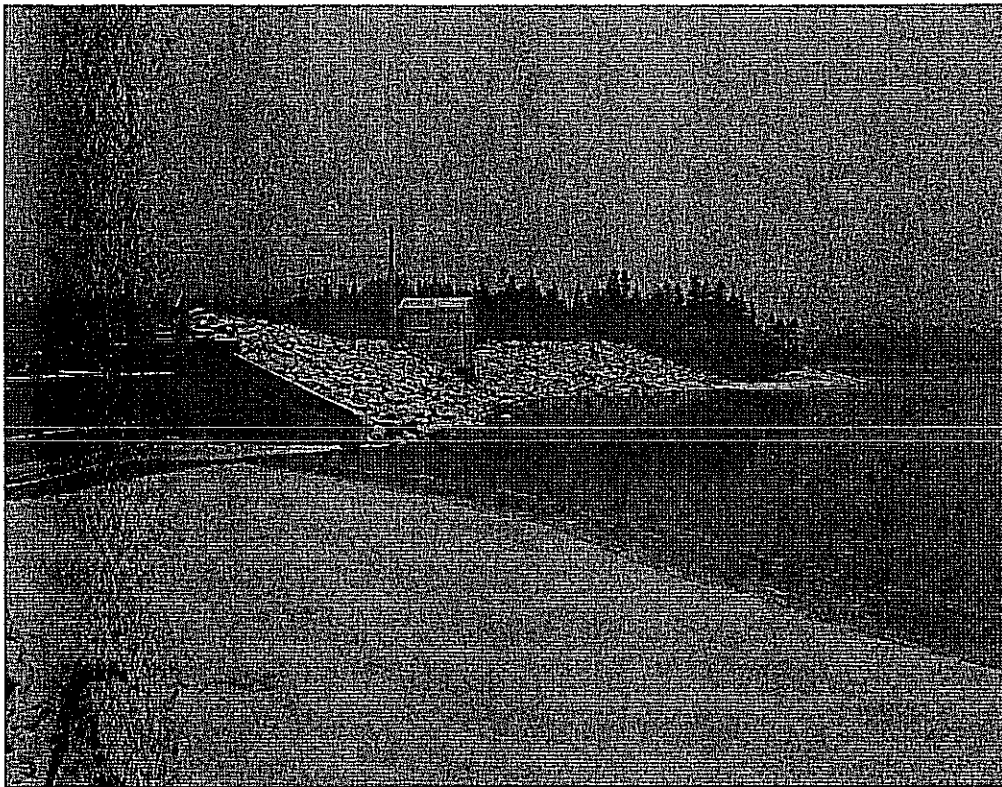
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

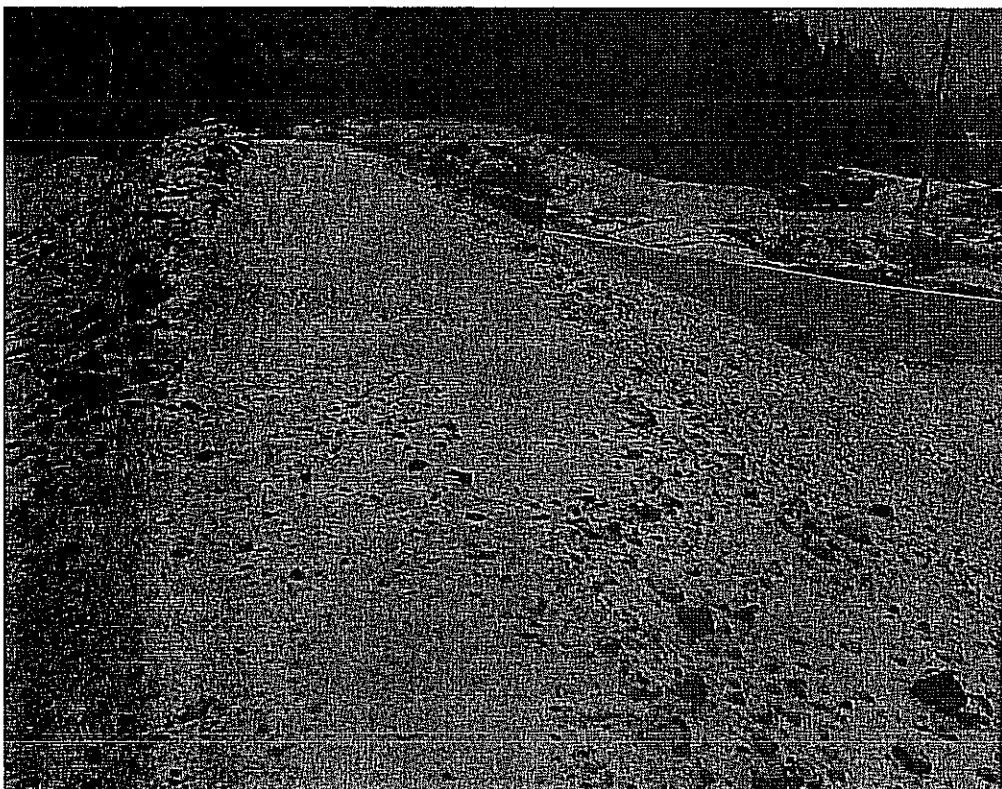
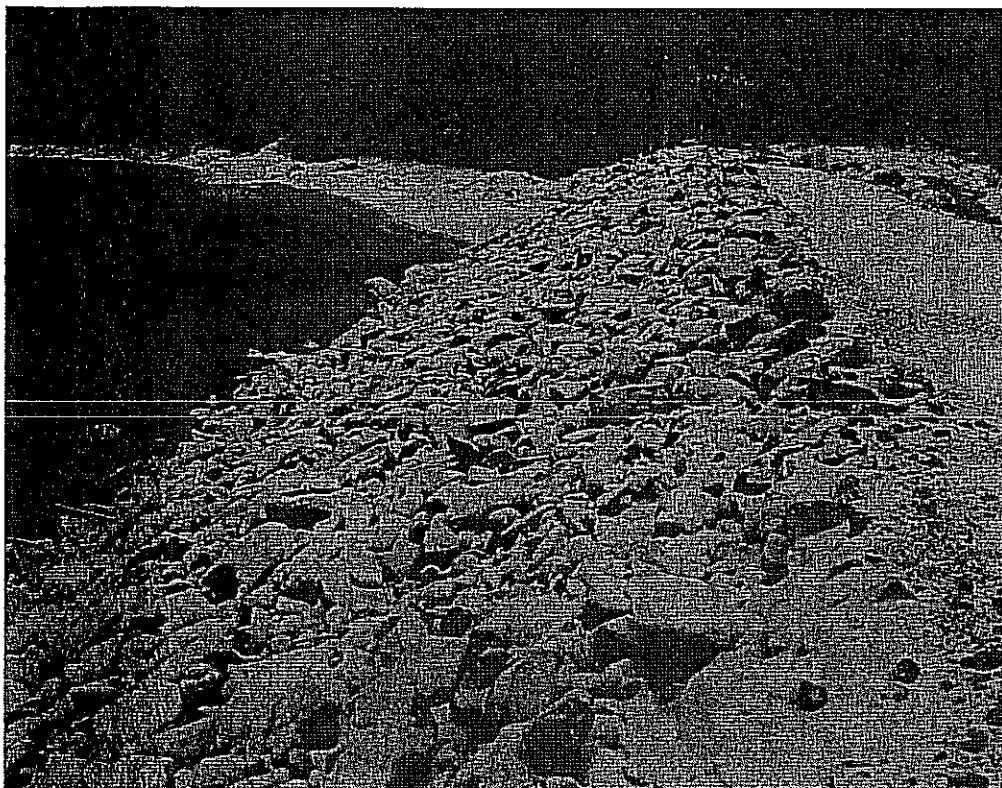
None observed

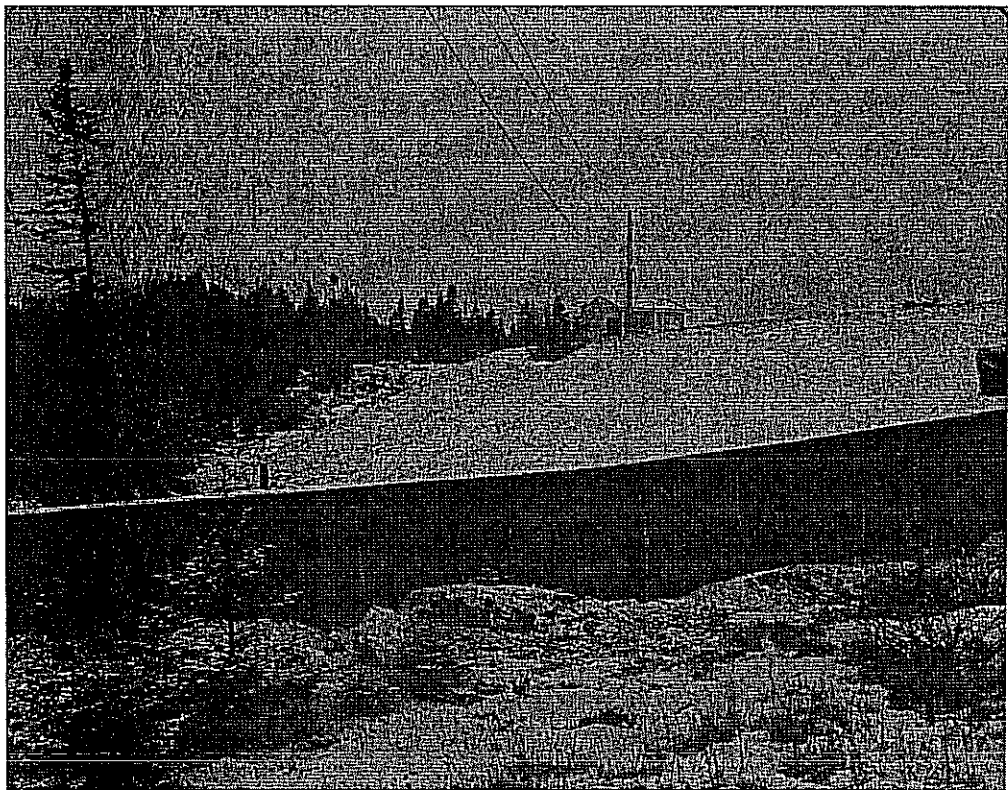
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Good. Maintenance staff indicated that gate and lift are in good operating condition.

Remarks







CONCRETE SPILLWAY

Structure : Tors Cove Spillway Date/Time : 2007-12-12
Inspected by : BT,BH Water Level : 2.7' below FSL
Weather : Overcast, Light snow - 2°C Releases : _____

Control Structures (*Crest, Orifices*)

Concrete is weathered with exposed aggregate.

Gates and Controls (*Type of Gate, General condition, Operation of gates at time of inspection*)

N/A

Approach Channel (*Debris, Slides over channel, Channel side slope stability, Slope protection*)

The approach channel was clear.

Walkway (*Condition of Piers, Condition of decking and beams, Condition of rails*)

The walkway is in good condition overall.

Stilling Basin (*Debris in basin, Walls movement, Walls settlement*)

No problems were observed.

Outlet Channel (*Slope Protection, Stability of Slopes, Vegetation and other obstructions*)

The outlet channel was clear – no obstructions to flow.

Flashboards (*Condition, Operation*)

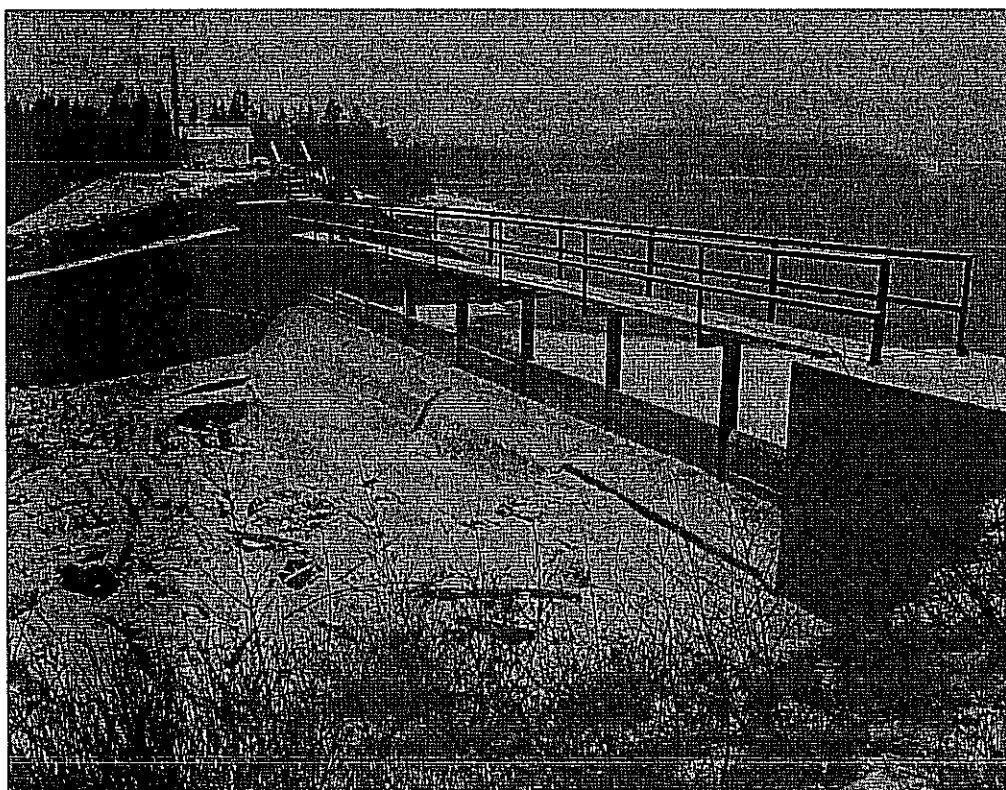
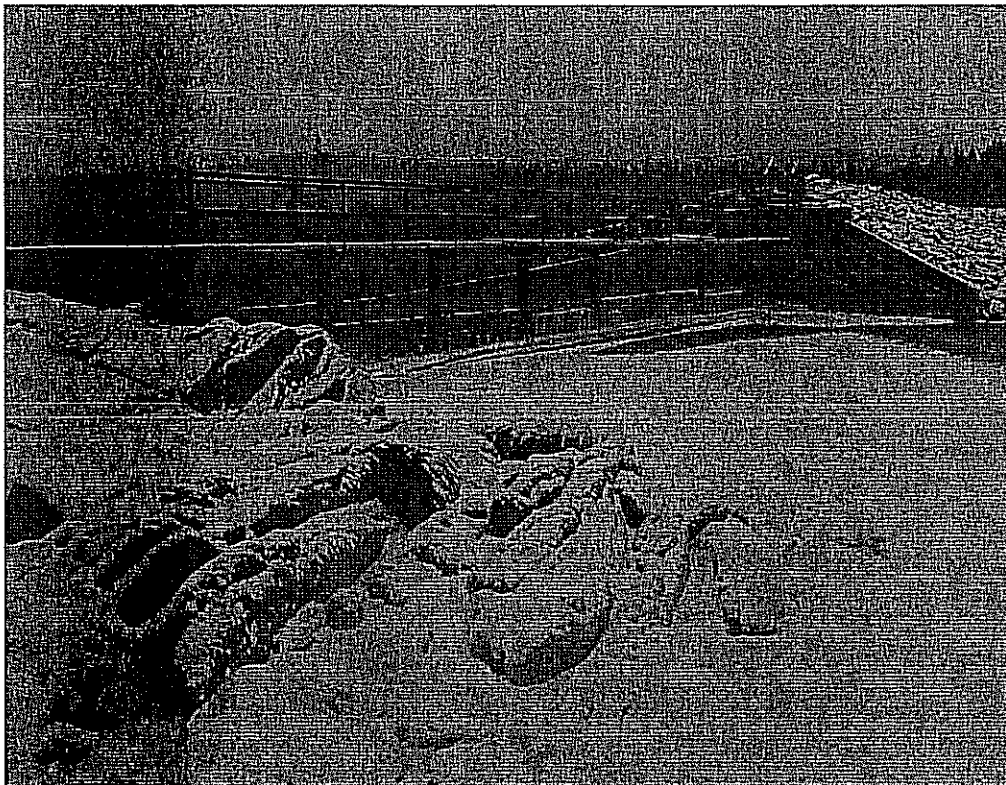
4- 6" stop logs in place

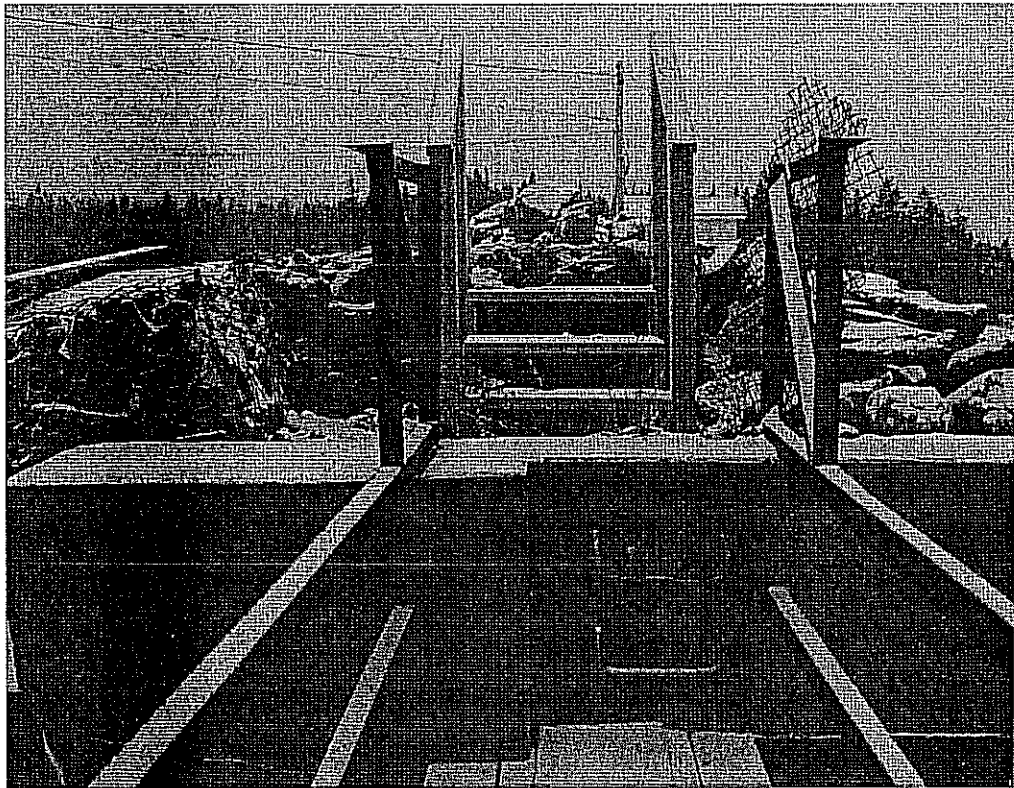
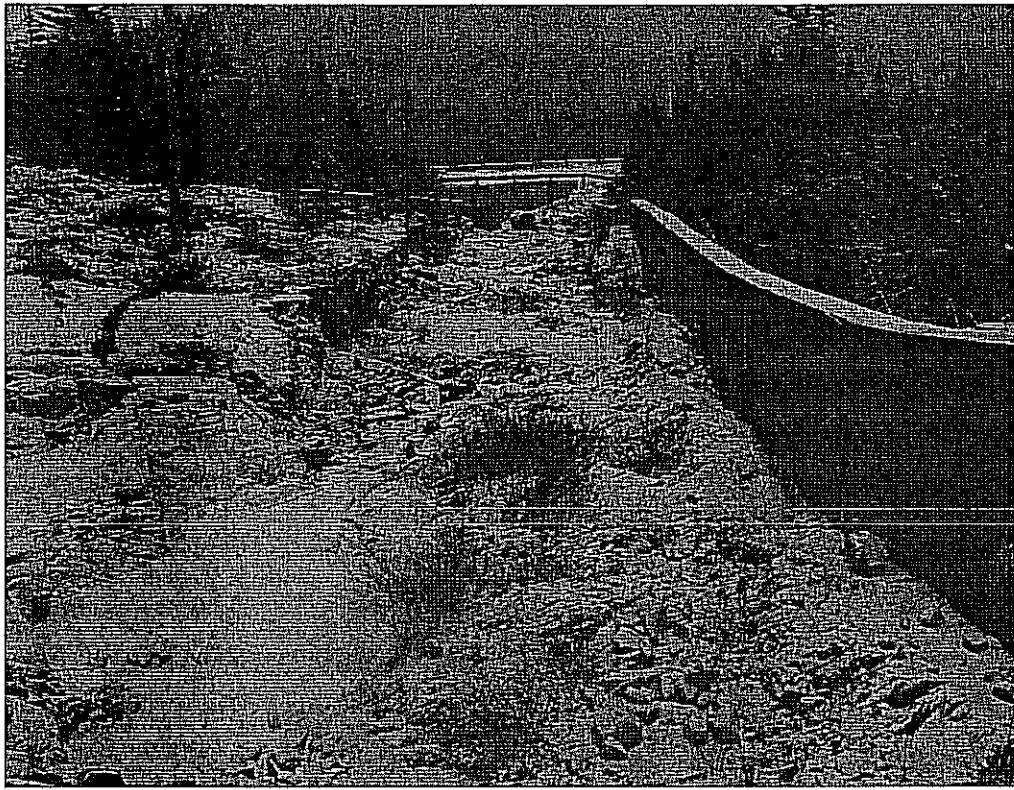
Abutments (*condition, Seepage around dam – location/amount*)

Abutments are in good condition.

Remarks

One stop log was displaced and found in spill channel. Stop log re-positioned during inspection.





2005 Dam Safety Inspection Report

**Tors Cove /
Rocky Pond
Developments**

EMBANKMENT DAM

Structure : Franks Pond Dam #1 Date/Time : 2005-11-30
Inspected by : GH, TC, BH Water Level : 3' below FSL
Weather : _____ Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Upstream face is in good condition. Rockfill is stable.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Downstream face in good condition. No vegetation.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Some misalignment of cutoff wall. Sheet pile appears "wavy".

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief walls*)

No seepage observed due to low reservoir level.

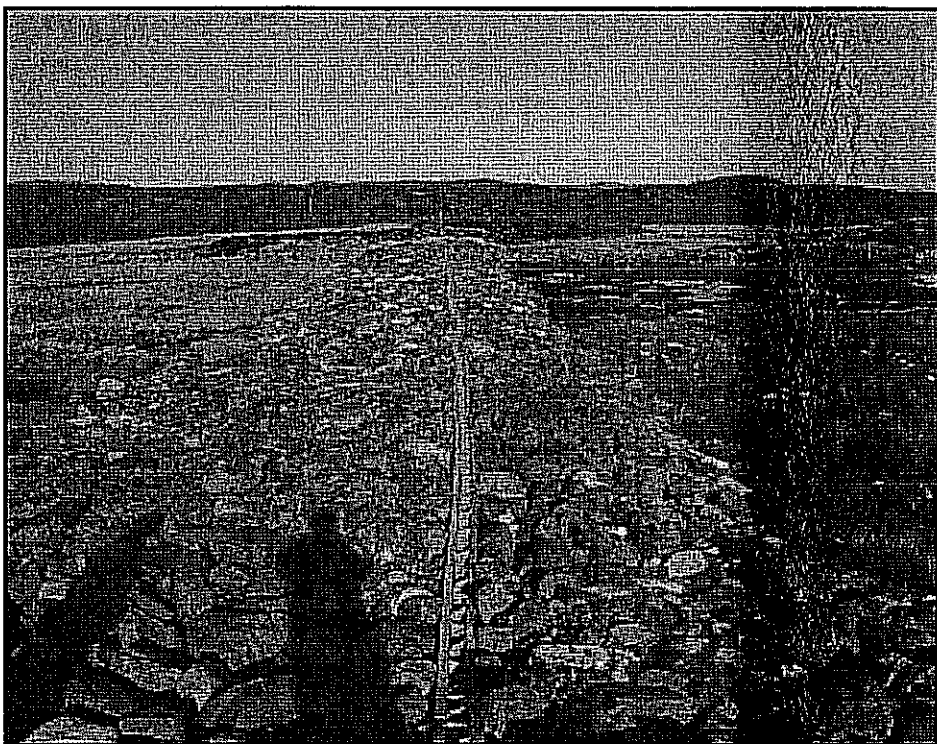
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks

The structure rarely impounds water.

The dam acts as an emergency spillway.



EMBANKMENT DAM

Structure : Franks Pond Dam #2 Date/Time : 2005-11-30
Inspected by : GH, TC, BH Water Level : 3' below FSL
Weather : _____ Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap noted as steep but stable. No signs of slides or movement.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Vegetation along d/s toe.

Isolated areas of surface movement, possibly attributed to a steep slope.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest in good condition – wide (recently regraded).

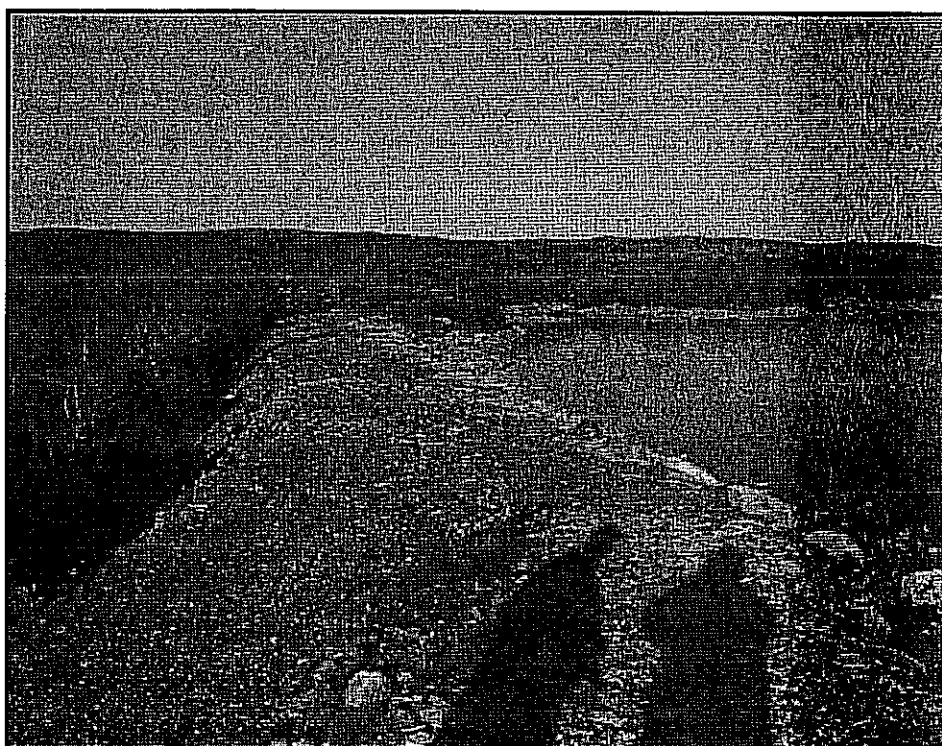
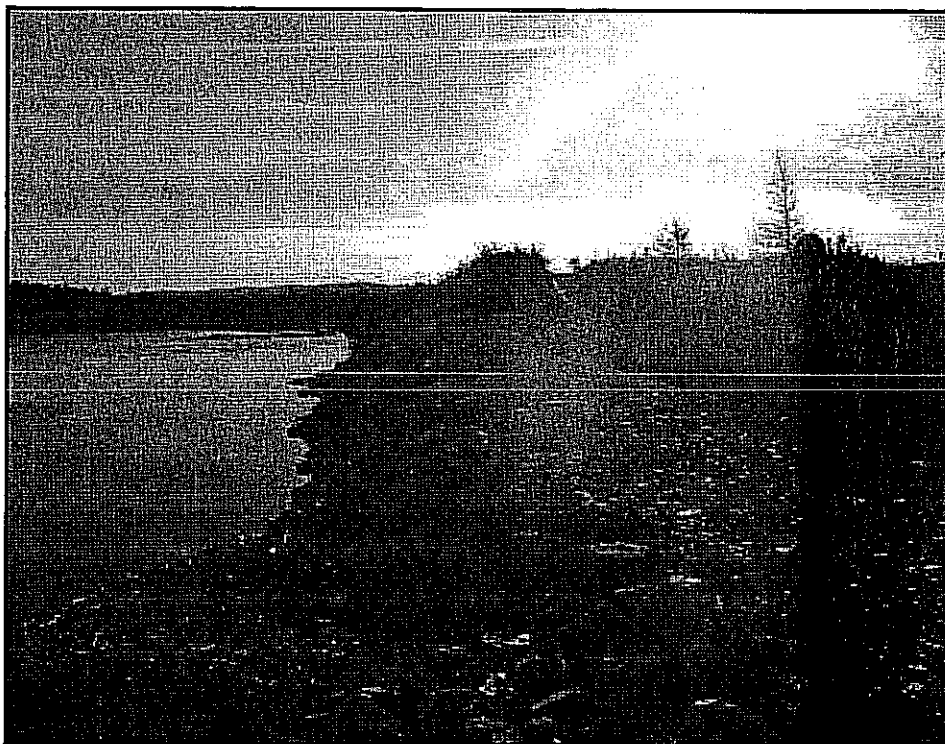
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

None observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks



EMBANKMENT DAM

Structure : Franks Pond Dam #3 Date/Time : 2005-11-30
Inspected by : GH, TC, BH Water Level : 3' below FSL
Weather : _____ Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)
Riprap is irregular in some areas (low slope).

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)
D/S slope is OK.

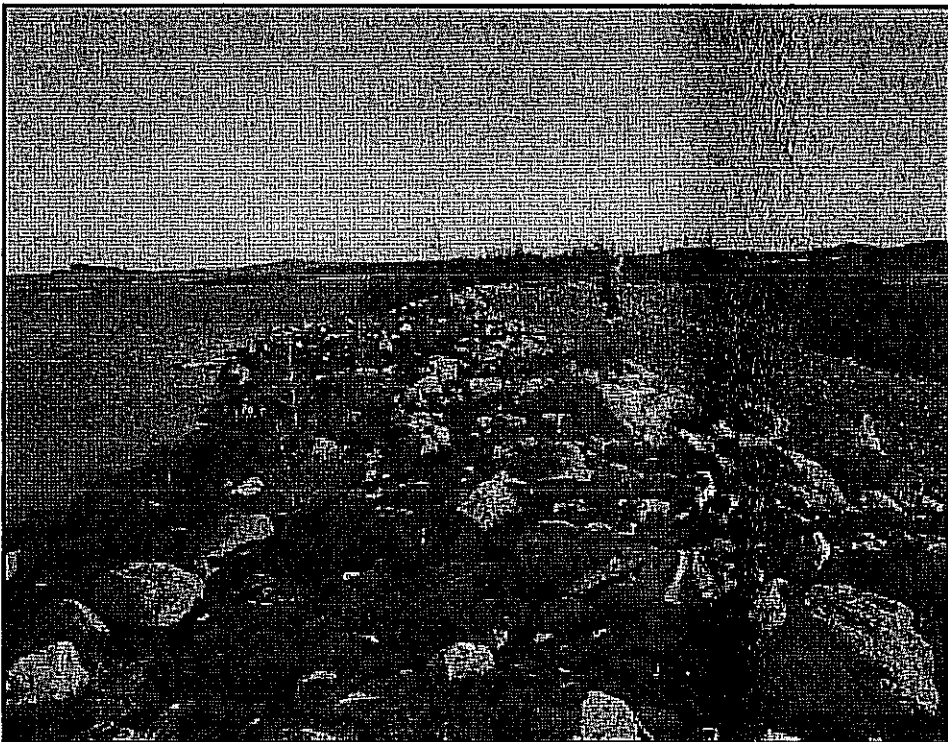
Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)
Abutments are OK.

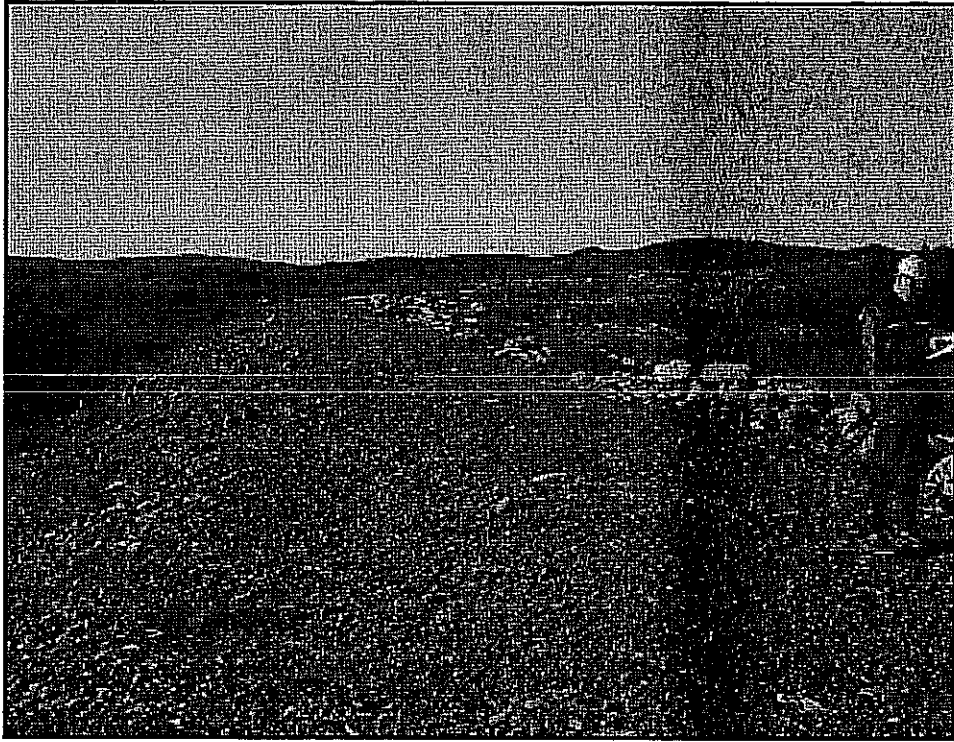
Crest (*Surface cracking, Settlement, Lateral movement, Camber*)
Crest is in good condition (recently regraded).

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)
Some minor seepage observed (previously reported). No apparent loss of material or other concerns.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Remarks





EMBANKMENT DAM

Structure : Franks Pond Dam #4 Date/Time : 2005-11-30
Inspected by : GH, TC, BH Water Level : 3' below FSL
Weather : _____ Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is sparse throughout – should be considered for future rehabilitation project.

Small amount of vegetation.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Downstream face in good condition – stable.

No vegetation.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition. Some vegetation present.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest in good condition.

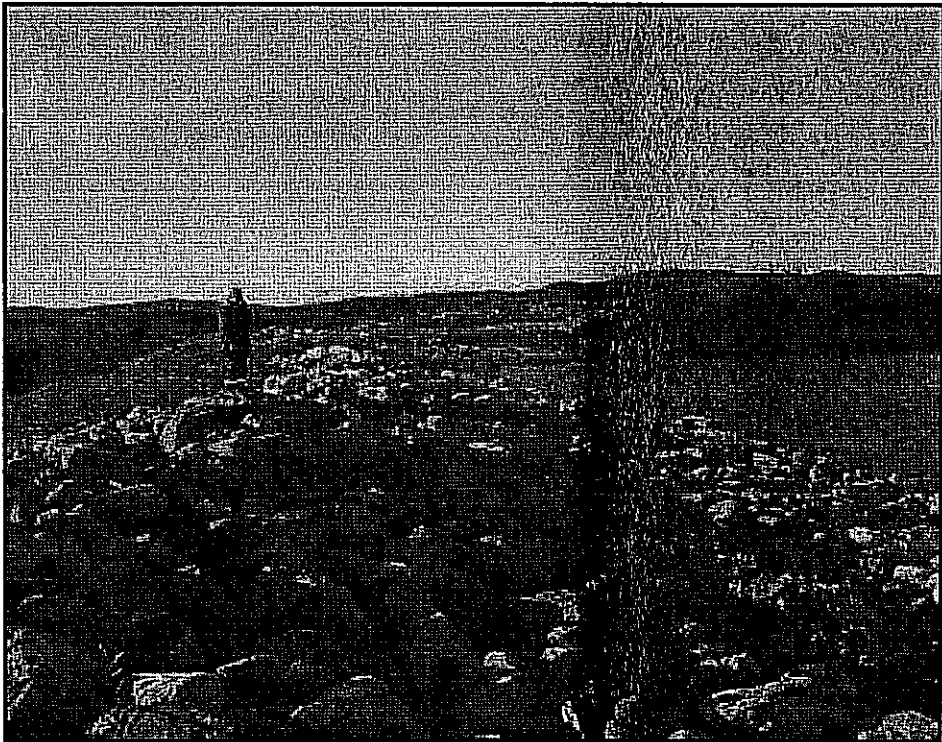
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

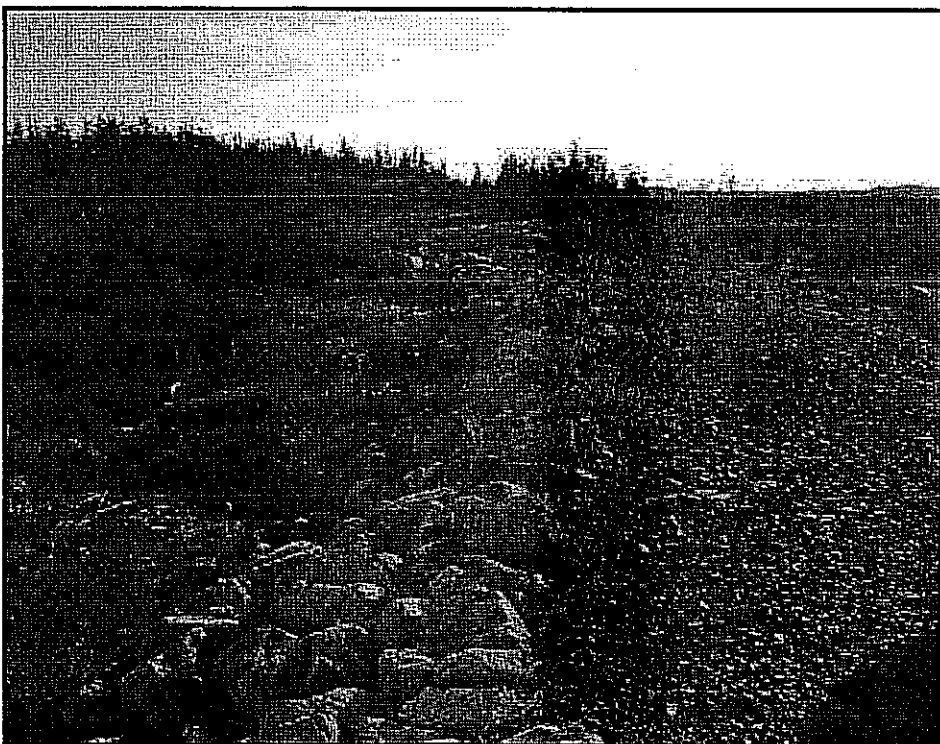
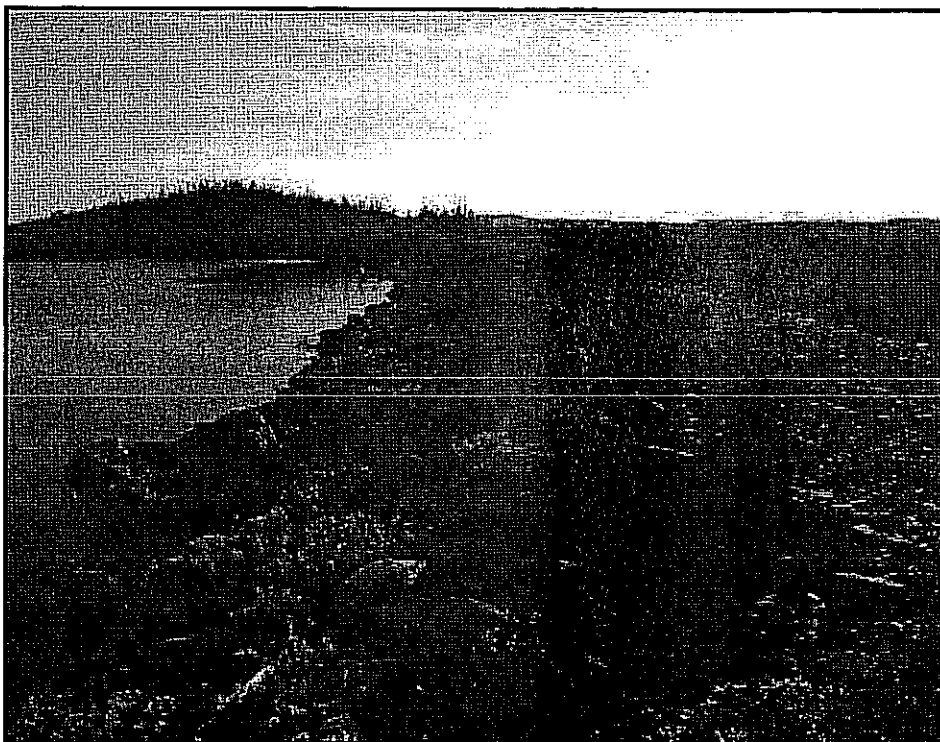
No seepage observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks





EMBANKMENT DAM

Structure : Franks Pond Dam #5 Date/Time : 2005-11-30
Inspected by : GH, TC, BH Water Level : 3' below FSL
Weather : _____ Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Upstream face in good condition. Good riprap slope.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slope was steep but stable – no signs of movement.

No vegetation.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Good rockfill protection.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest in good condition.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

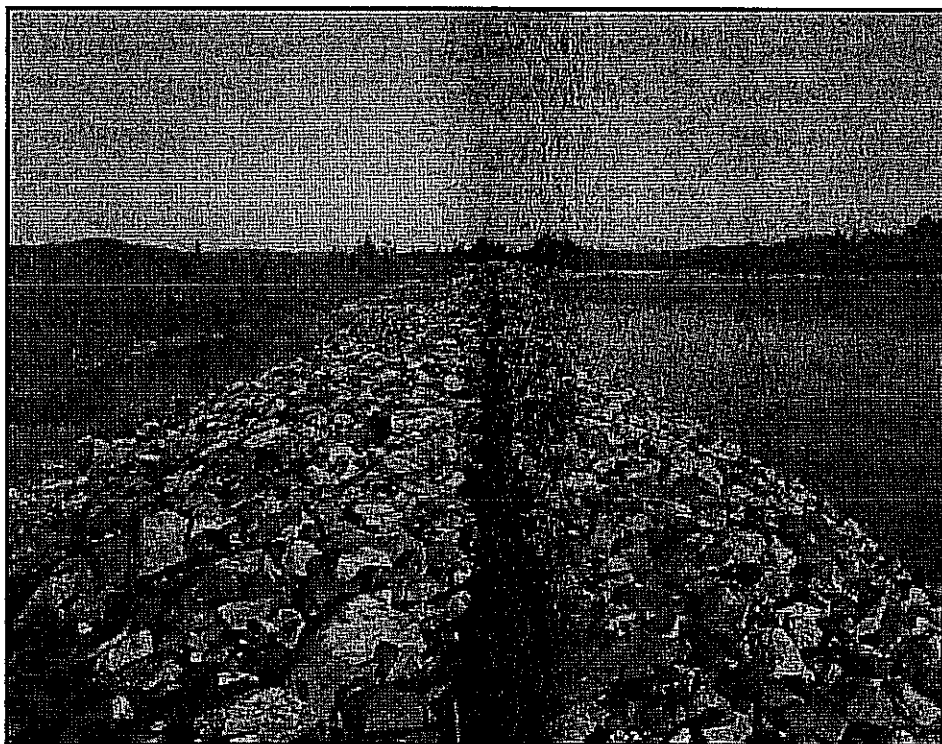
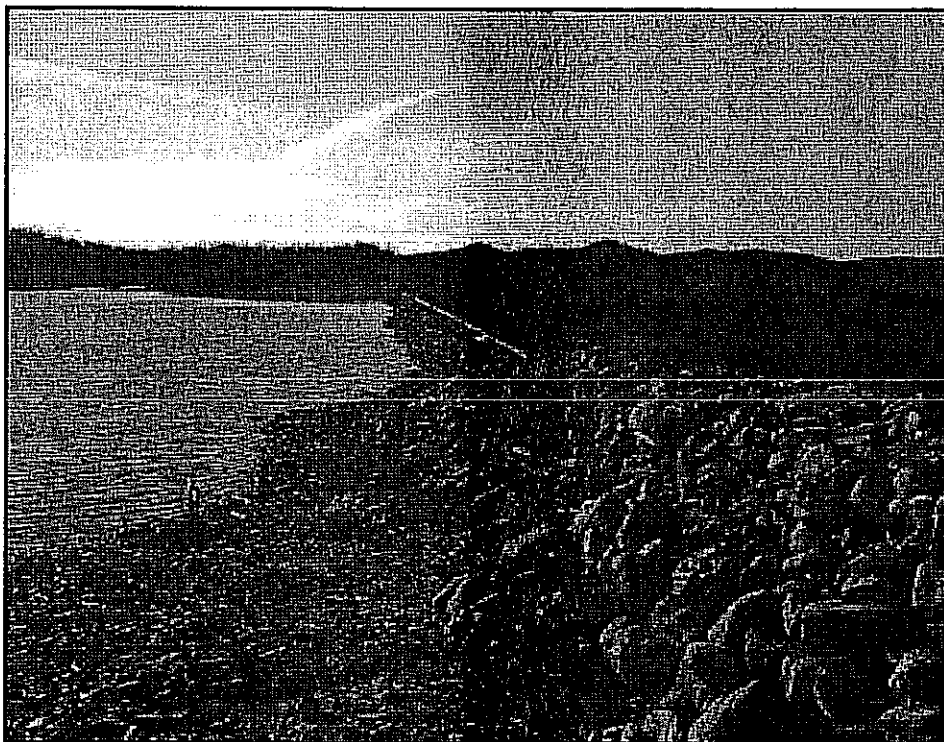
Small amount of leakage through steel cutoff wall.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks

This structure is the primary spillway for Frank's Pond reservoir.





EMBANKMENT DAM

Structure : Franks Pond Dam #6 Date/Time : 2005-11-30
Inspected by : GH, TC, BH Water Level : 3' below FSL
Weather : _____ Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap in good condition – recently rehabilitated.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slope in good condition - stable.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest was slightly irregular, but otherwise good

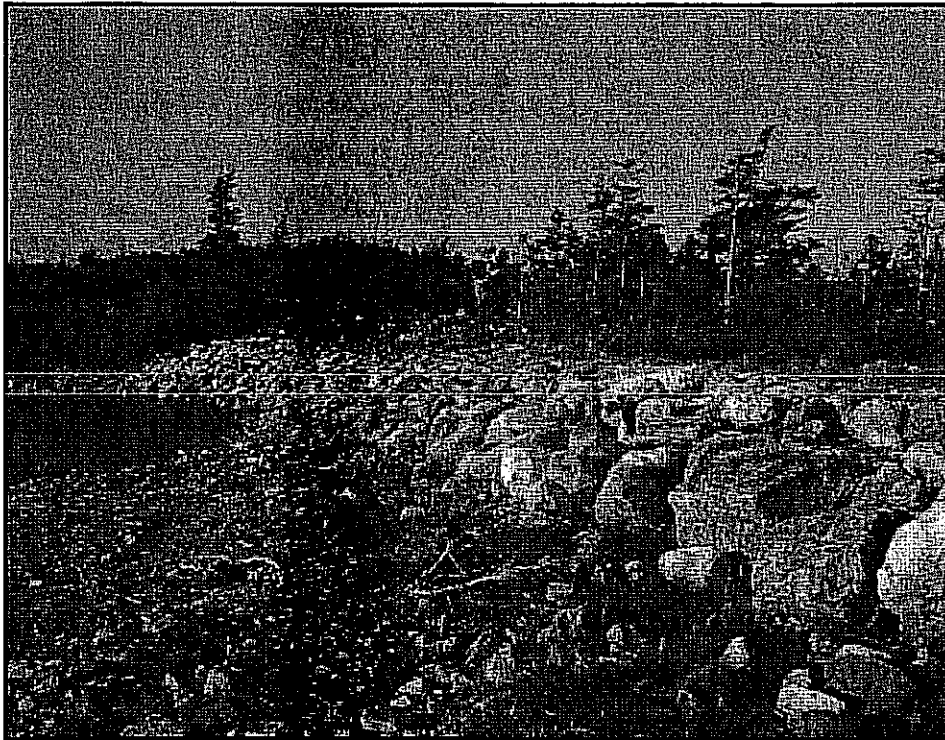
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

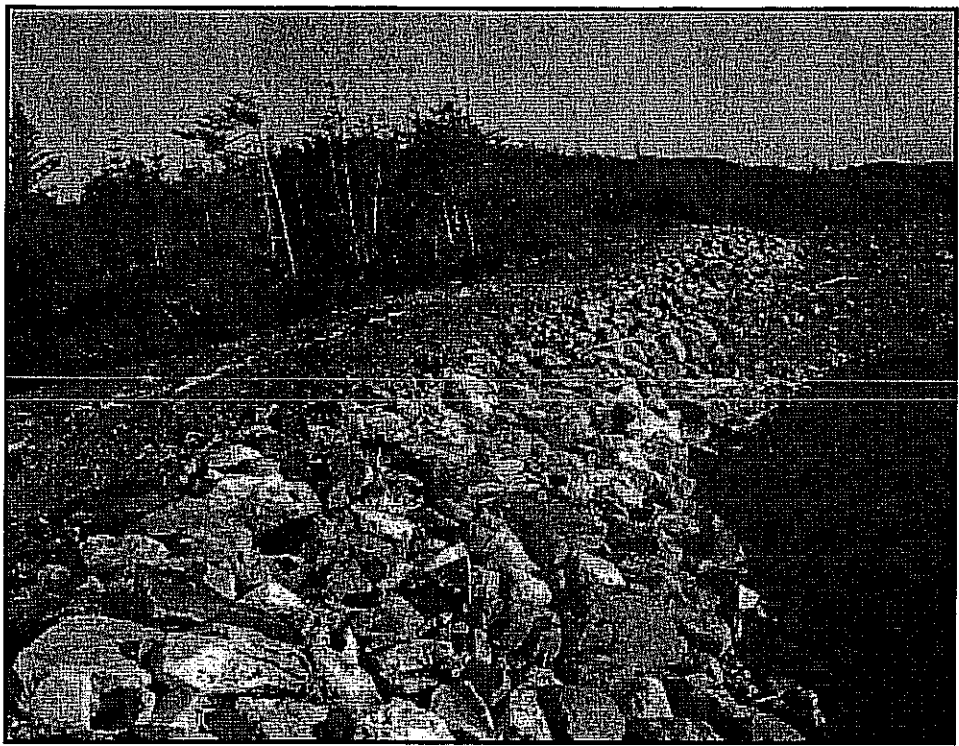
Previously reported seepage has been significantly reduced as a result of recent capital improvements.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks





EMBANKMENT DAM

Structure : Franks Pond Dam #7 Date/Time : 2005-11-30
Inspected by : GH, TC, BH Water Level : 3' below FSL
Weather : _____ Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Upstream face in good condition. Riprap is well graded.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slope was steep, but no movement noted.

Small amount of vegetation.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were OK.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest in good condition. No unusual conditions noted.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Small amount of ponded water.

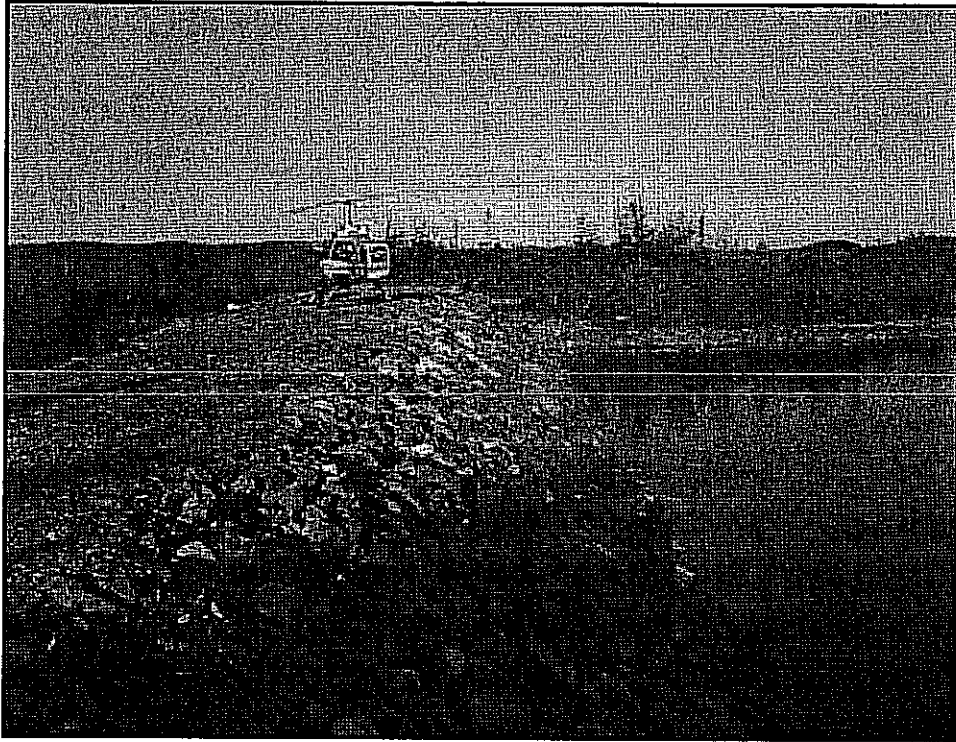
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks

The dam has recently been upgraded (capital improvements).





EMBANKMENT DAM

Structure :	Franks Pond Storage Dam	Date/Time :	2005-11-30
Inspected by :	GH, TC, BH	Water Level :	3' below FSL
Weather :		Releases :	

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Upstream face in good condition. Riprap has been upgraded since last inspection.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Slope was steep, but no movement noted.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were OK.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest was OK. Vehicular and ATV traffic does not appear to be causing deterioration.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

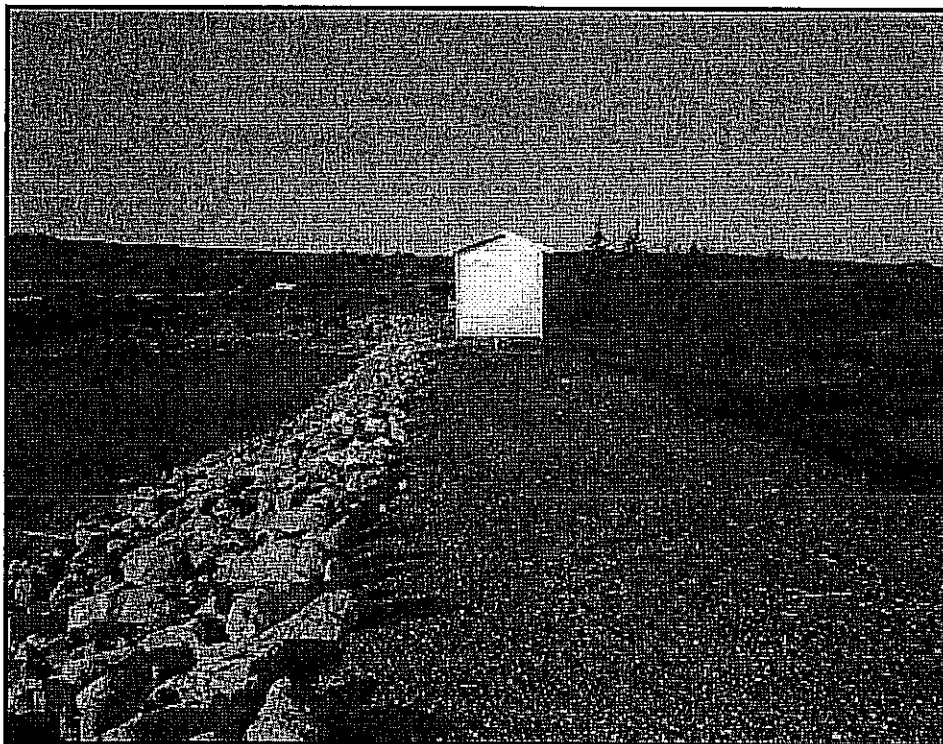
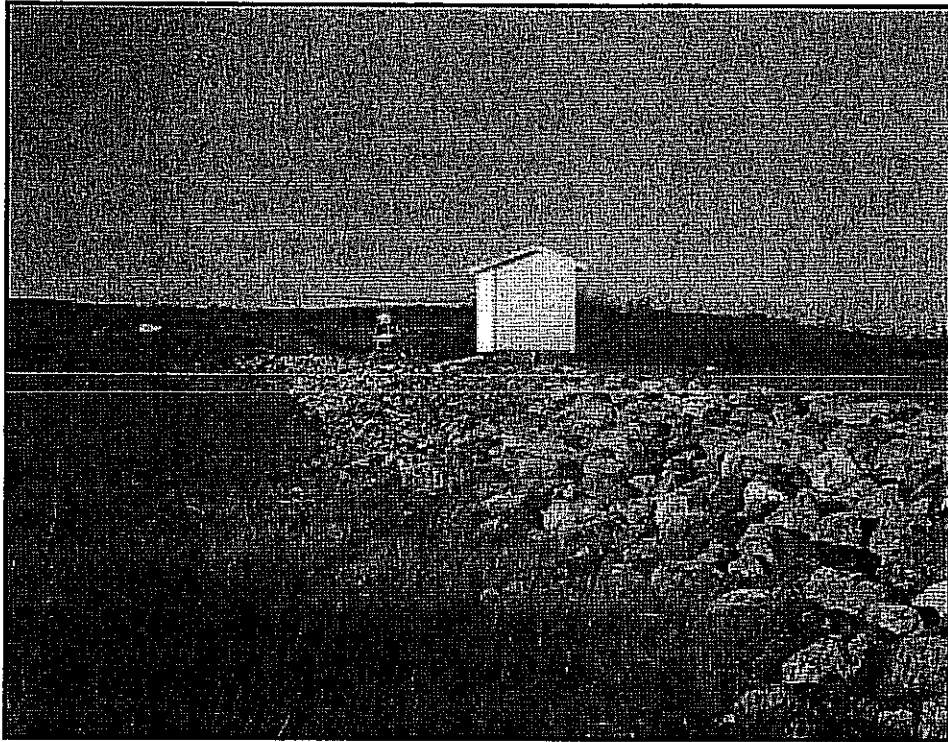
None observed.

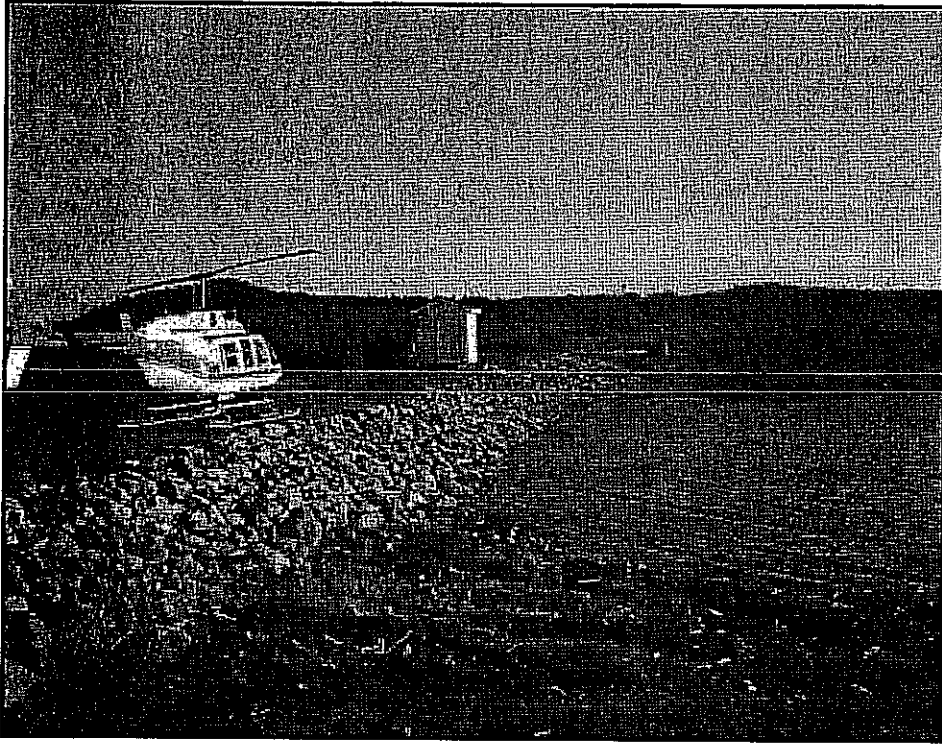
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Gate was in good operating condition.

Remarks

Overall good condition.





EMBANKMENT DAM

Structure : <u>Franks Pond Canal Embankment</u>	Date/Time : <u>2005-11-30</u>
Inspected by : <u>GH, TC, BH</u>	Water Level : <u>near FSL</u>
Weather : _____	Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Significant vegetation throughout – otherwise good condition.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Significant vegetation throughout – no unusual conditions.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Somewhat irregular and narrow in some locations

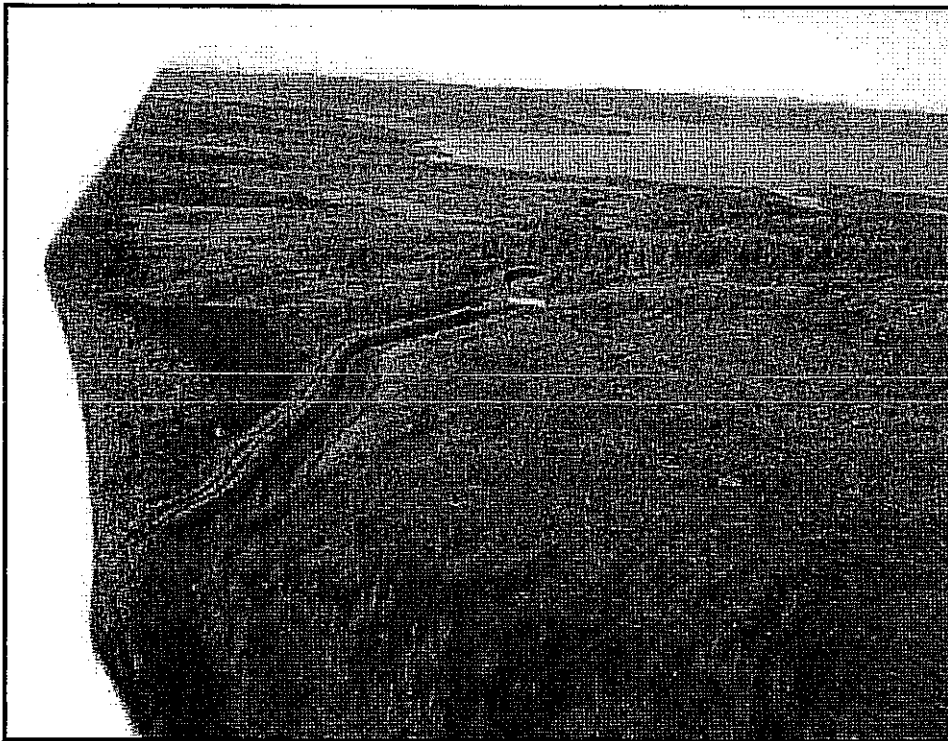
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Difficult to detect in some locations due to vegetation. No problematic areas observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks



TIMBER CRIB OVERFLOW SPILLWAY

Structure : Franks Pond Canal Spillway Date/Time : 2005-11-30
Inspected by : GH, TC, BH Water Level : near FSL
Weather : _____ Releases : _____

Control Structures (*Crest, Orifices*)

Timber facing and apron in fair condition.

Gates and Controls (*Type of Gate, General condition, Operation of gates at time of inspection*)

N/A

Approach Channel (*Debris, Slides over channel, Channel side slope stability, Slope protection*)

No obstructions.

Walkway (*Condition of Piers, Condition of decking and beams, Condition of rails*)

N/A

Stilling Bain (*Debris in basin, Walls movement, Walls settlement*)

No unusual conditions

Outlet Channel (*Slope Protection, Stability of Slopes, Vegetation and other obstructions*)

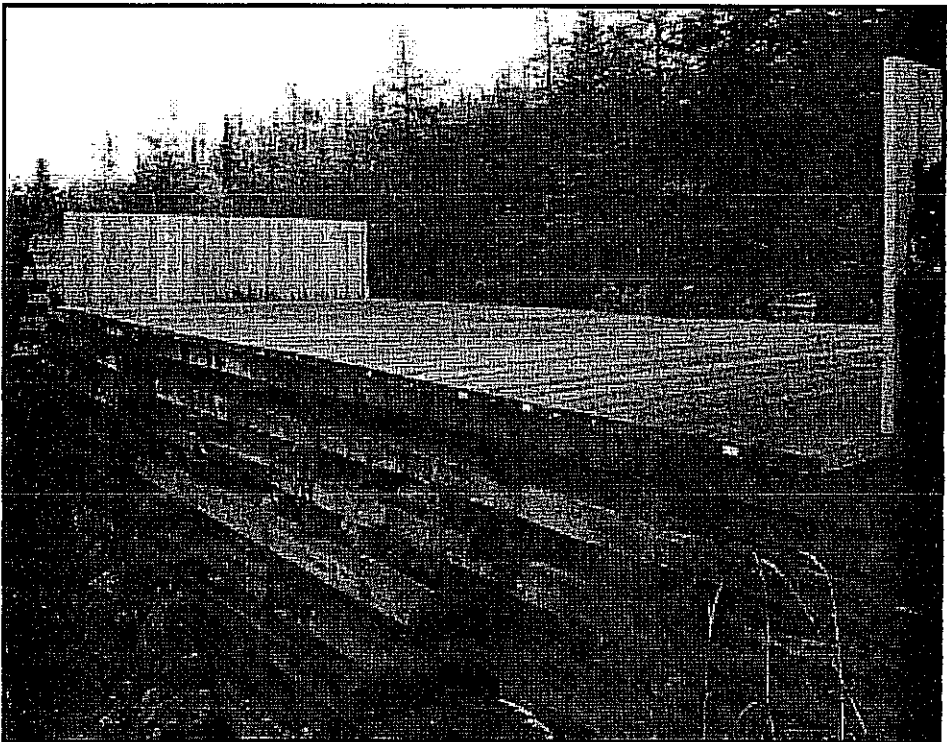
Clear. No obstructions.

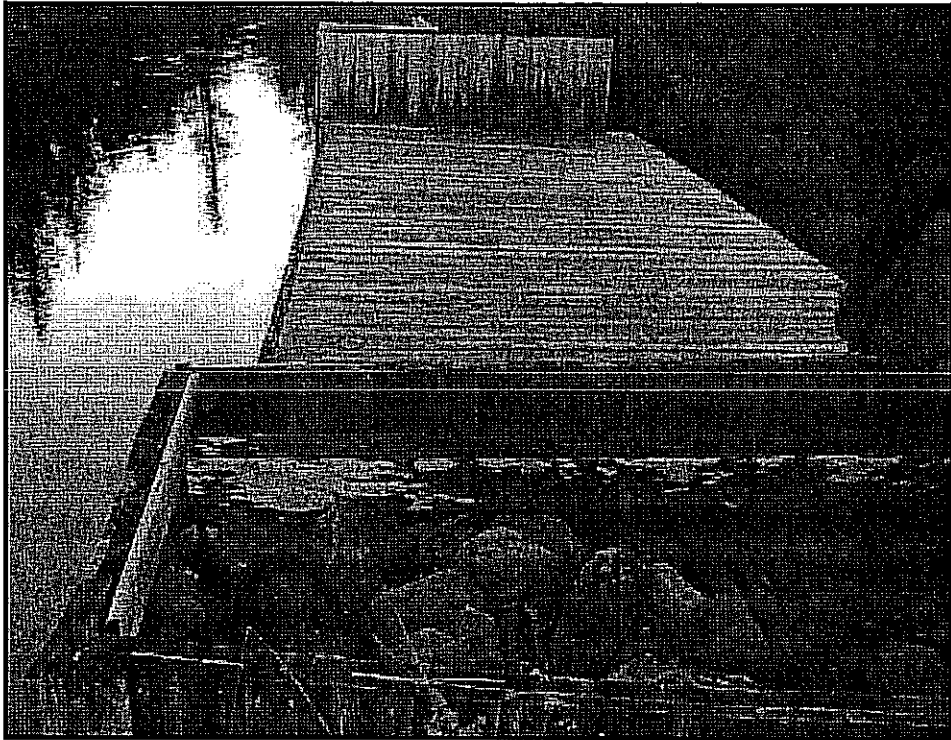
Flashboards (*Condition, Operation*)

N/A

Remarks

Deterioration/rot of structural timber members is evident, particularly at the abutments.





EMBANKMENT DAM

Structure :	Cape Pond Dam	Date/Time :	2005-12-20
Inspected by :	TC, RH, RV	Water Level :	588.0
Weather :	Overcast, 2°C	Releases :	Full gate

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

The upstream face was in good condition. Riprap appeared to be stable. No movement noted.

Significant amount of debris to be removed.

Some alder growth.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

The downstream face was in good condition. No signs of movement.

Some alder growth.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

The abutments were stable, with no unusual conditions.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

The crest was in good condition with no evidence of overtopping.

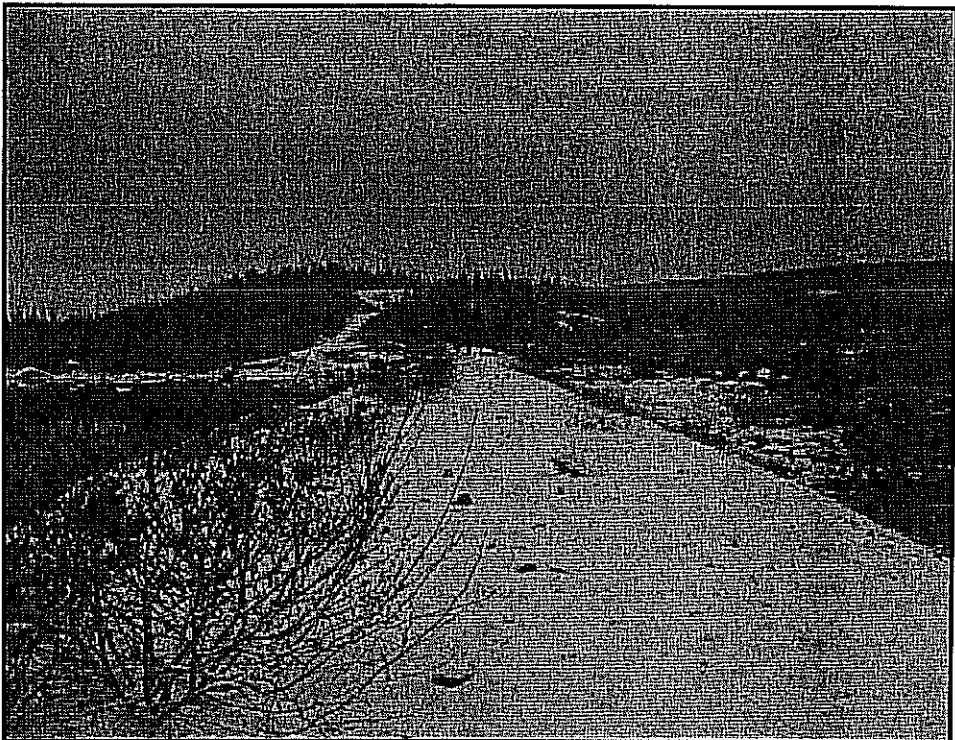
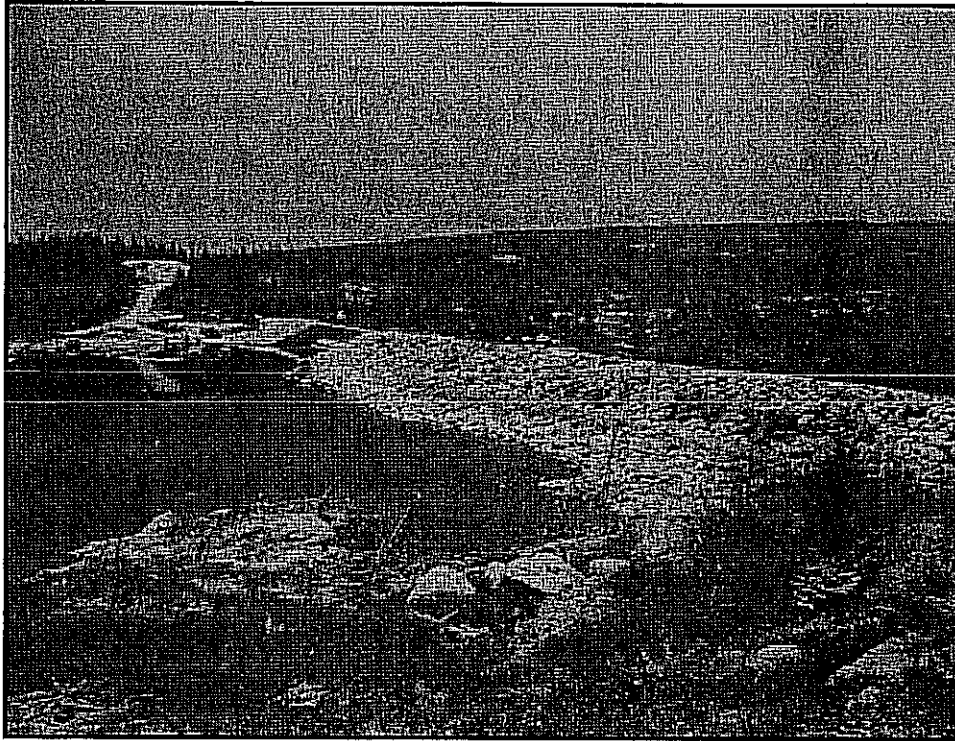
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

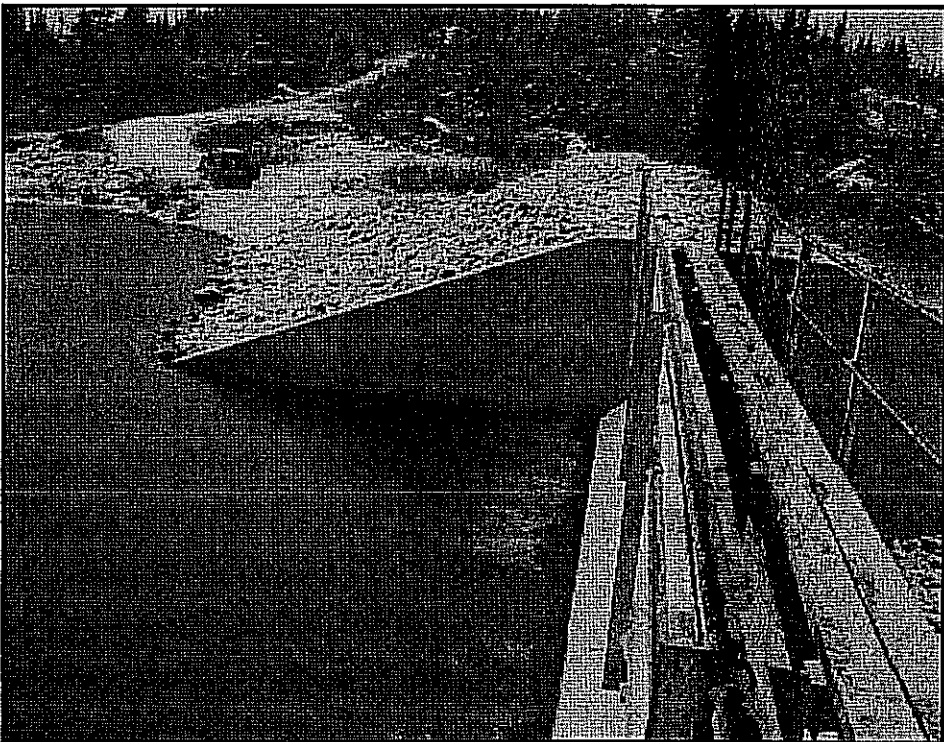
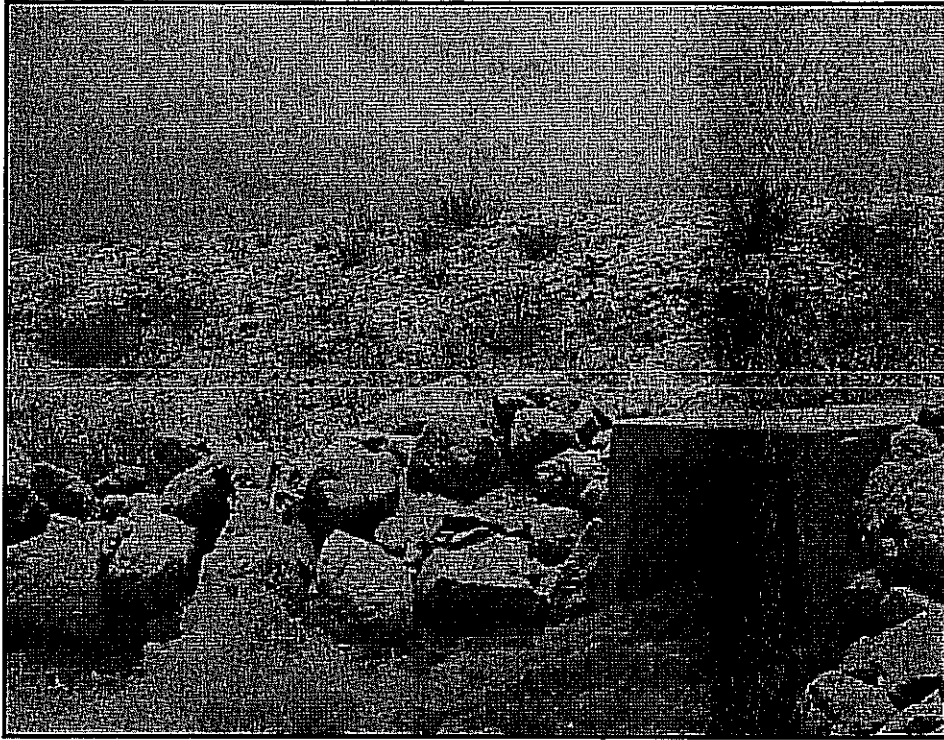
No evidence of seepage.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Flow is discharged without obstructions.

Remarks





CONCRETE SPILLWAY

Structure : Cape Pond Spillway Date/Time : 2001-12-20
Inspected by : TC, RH, RV Water Level : 588.0
Weather : Overcast, 2°C Releases : N/A

Control Structures (*Crest, Orifices*)

Concrete was in good condition.

Gates and Controls (*Type of Gate, General condition, Operation of gates at time of inspection*)

N/A

Approach Channel (*Debris, Slides over channel, Channel side slope stability, Slope protection*)

No obstructions.

Walkway (*Condition of Piers, Condition of decking and beams, Condition of rails*)

Some surface rust on piers and handrails.

Stilling Basin (*Debris in basin, Walls movement, Walls settlement*)

Displacement of rockfill observed at d/s toe.

Outlet Channel (*Slope Protection, Stability of Slopes, Vegetation and other obstructions*)

No obstructions. Some movement of rockfill at d/s berm (previously reported).

No signs of recent movement.

Flashboards (*Condition, Operation*)

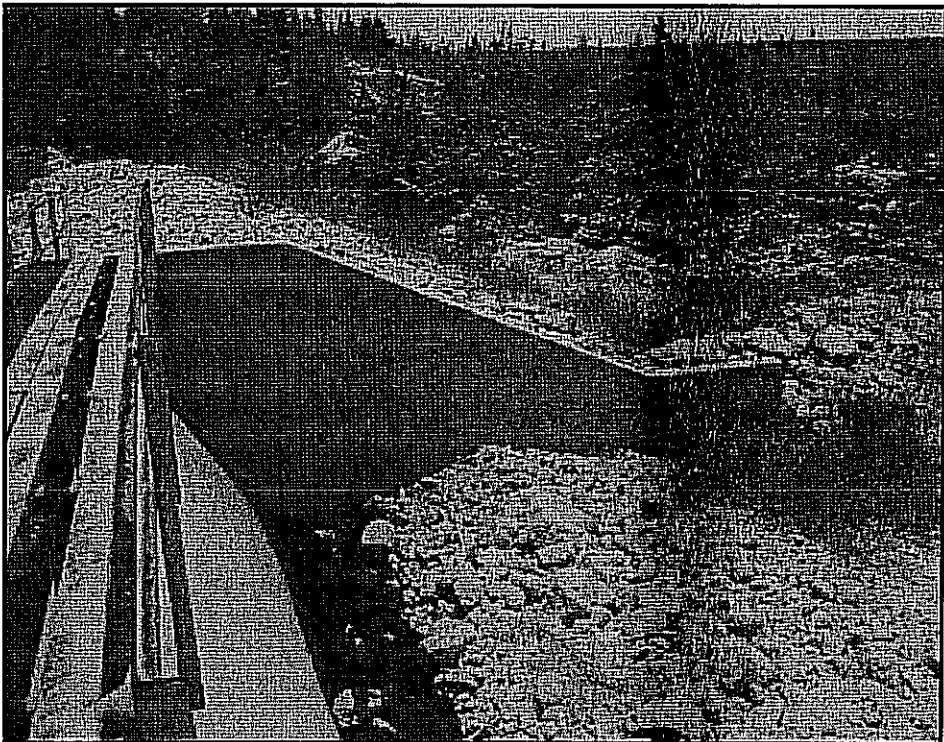
All flashboards have been removed.

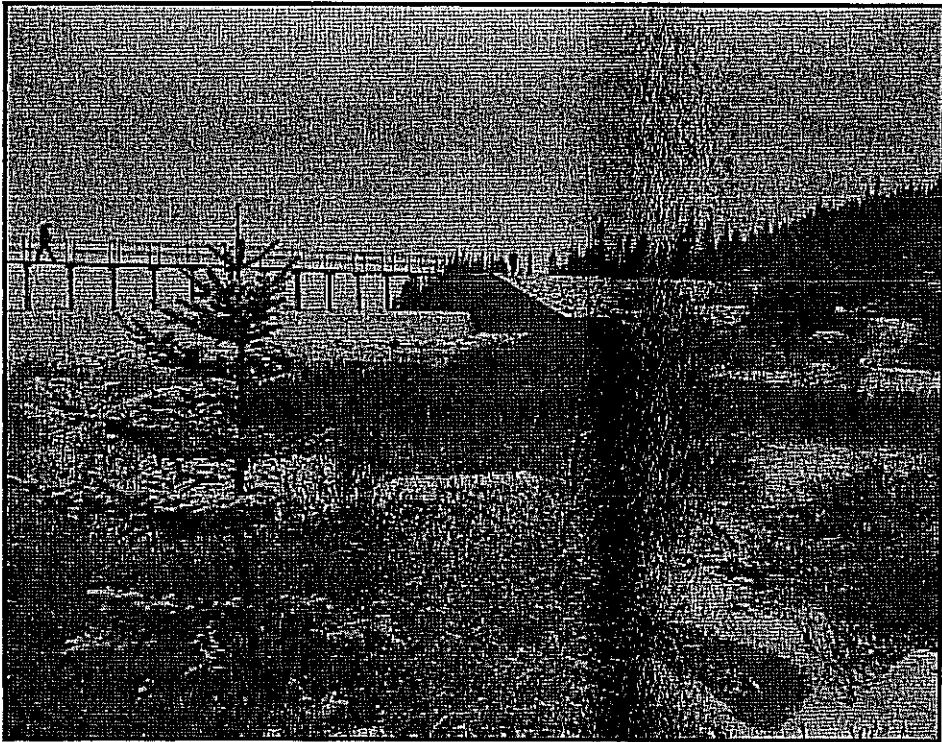
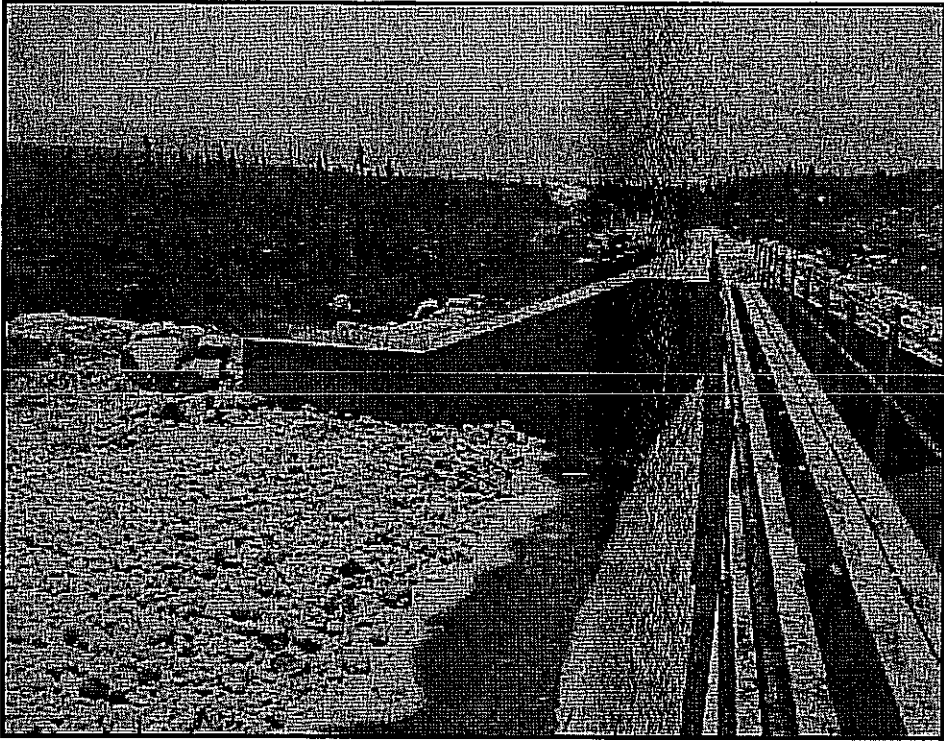
Abutments (*Condition, Seepage around dam – location/amount*)

Concrete is in good condition with some isolated cracks.

The riprap wing walls do not show indications of any recent deterioration resulting from recent spill events.

Remarks





ROCKFILL OVERFLOW SPILLWAY

Structure : Cluneys Canal Diversion Dam/Spillway Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : 3' below spill
Weather : Overcast, 2°C Releases : N/A

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

No problems noted. Rockfill in good condition.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Other*)

Downstream face appears OK.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

The abutments were in good condition. Cutting and clearing of vegetation is required.

Stilling Basin (*Debris, Walls movement/settlement/joints/erosion*)

N/A

Outlet Channel (*Slope protection, Stability of side slopes, Vegetation/obstructions, Debris in water, Stoplogs condition/operation*)

No obstructions to flow.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Significant vegetation growth which should be cut and cleared from the crest.

Galvanized steel cut-off wall appears to be in good condition.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

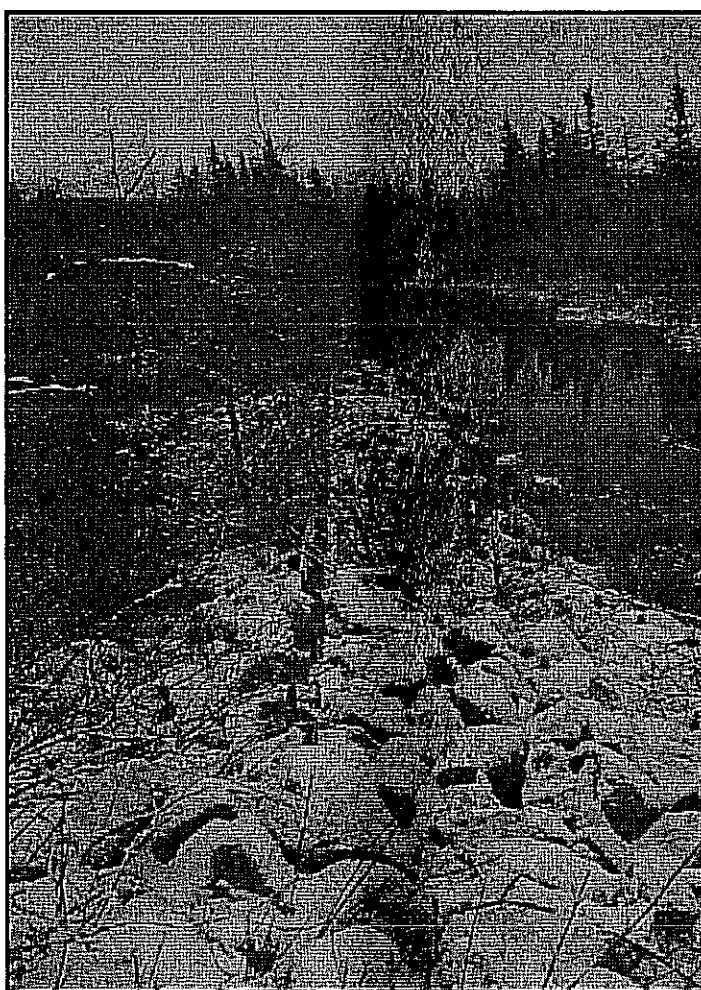
None observed.

Approach Channel (*Slides above channel, Stability of side slopes, Log boom, Debris, Slope protection*)

Clear.

Remarks

This structure is also referred to as the ; "High Speed Spillway"



ROCKFILL OVERFLOW SPILLWAY

Structure : Cluneys Upstream Dam/Spillway Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : 1' below FSL
Weather : Overcast, 2°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is stable – somewhat sparse in some locations.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Other*)

Rockfill is irregular with some holes.

Some vegetation along the d/s toe.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were in fair condition, with some voids noted in the rock fill.

Rock fill should be regraded.

Stilling Basin (*Debris, Walls movement/settlement/joints/erosion*)

N/A

Outlet Channel (*Slope protection, Stability of side slopes, Vegetation/obstructions, Debris in water, Stoplogs condition/operation*)

Clear.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Some vegetation and debris (driftwood) along the crest.

Steel cut-off wall showing signs of deterioration (corrosion), but not leaking at this time.

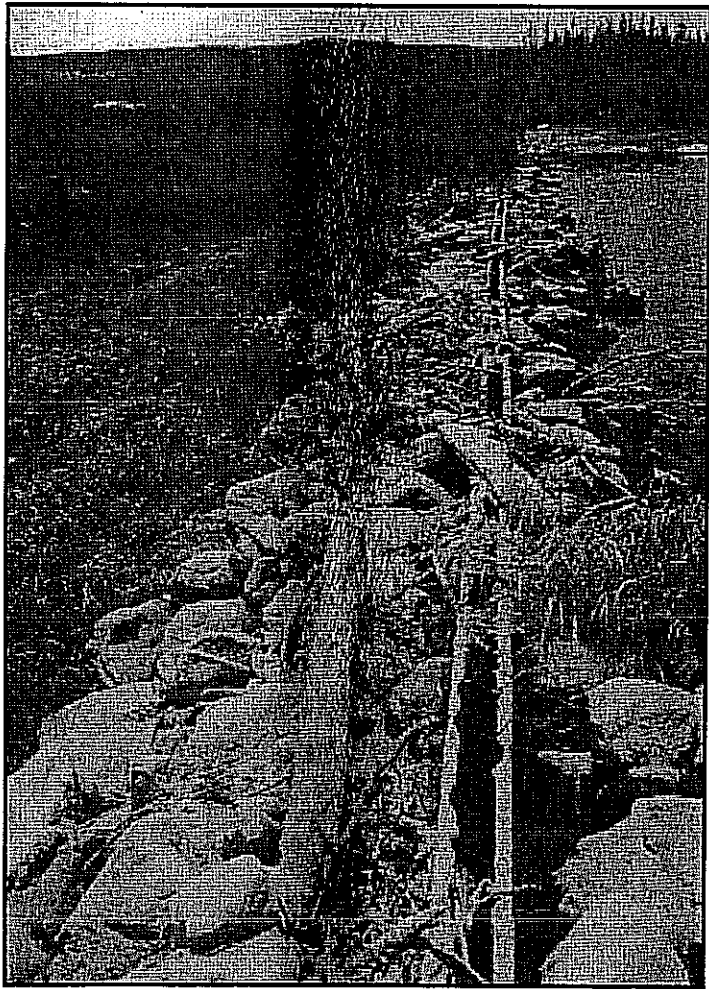
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

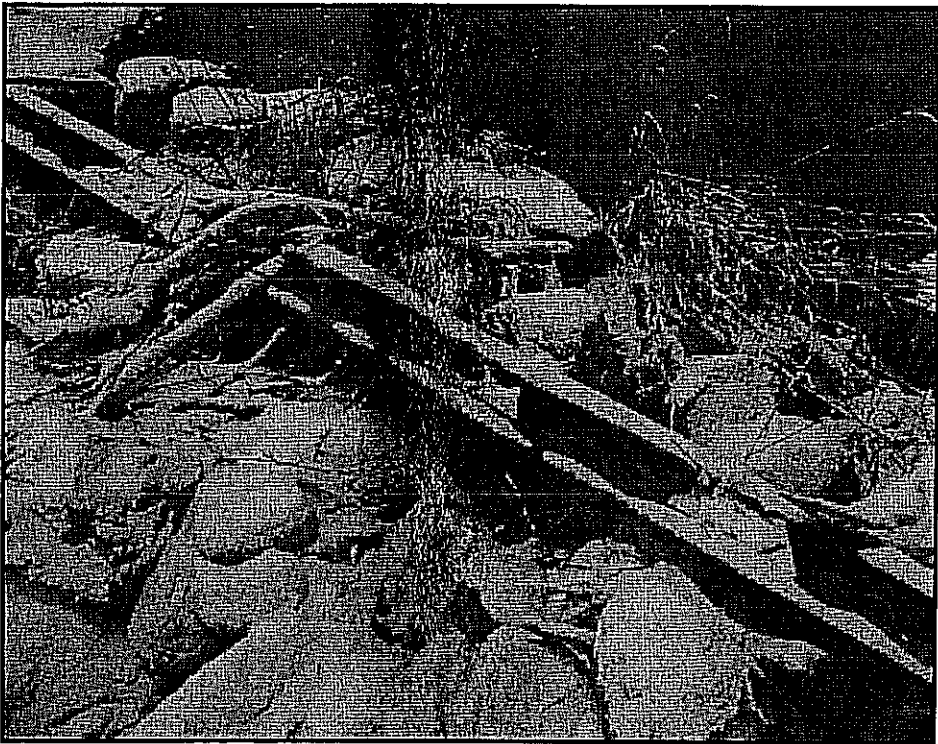
No seepage was noted.

Approach Channel (*Slides above channel, Stability of side slopes, Log boom, Debris, Slope protection*)

Clear

Remarks





OUTLET WORKS

Structure : Cluneys Control Structure Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : _____
Weather : Overcast, 2°C Releases : Gat fully open

Intake (*Trash rack, Concrete*)

Clear

Outlet Conduit (*Metal work*)

N/A

Control Facilities (*Gatehouse, Crane, Gate Controls—description/condition, Operation, Mechanical items, Ventilation, Lighting, Stoplogs condition/seals*)

Damage to bottom of gate.

Chute (*Debris, Walls movement/settlement/joints/cracks/backfill*)

Clear

Floor (*Movement, Settlement, Joints, Drains, Cracks, Condition of concrete, Settlement, Stress cracks, Movement*)

N/A

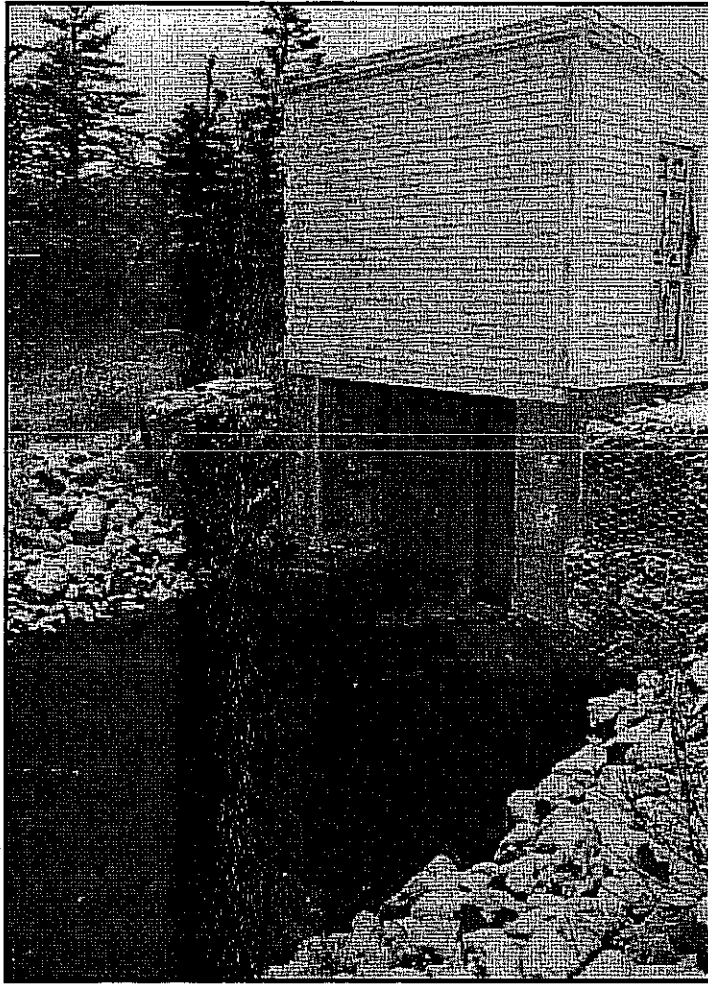
Stilling Basin (*Debris in basin, Walls movement, Walls settlement*)

Outlet Channel (*Slope protection, Stability of ~~side~~ slopes, Vegetation/obstructions, Debris*)

Clear

Remarks

Gabion abutments are leaned and buckling — ~~should~~ be repaired or removed.



EMBANKMENT DAM

Structure : Cluneys Canal Embankment Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : _____
Weather : Overcast, 2°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is small and somewhat sparse.

Heavy vegetative growth in some areas (*d/s of control structure, u/s of weir*).

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Minor vegetation at toe.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were in good condition.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

The crest was in good condition.

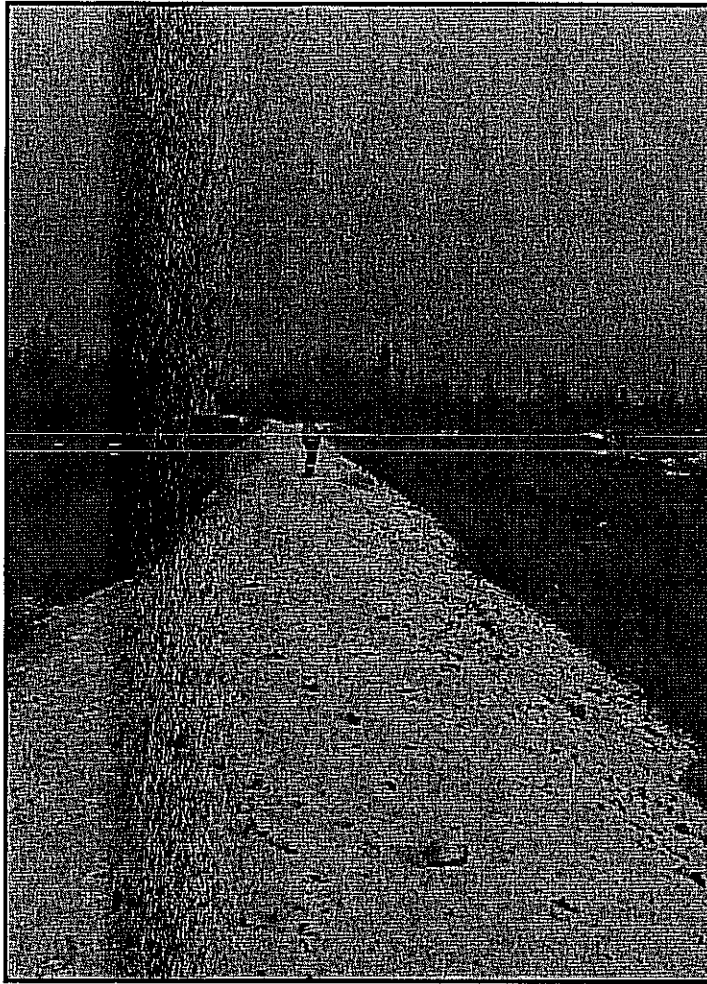
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Minor seepage observed near timber spillway.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks



TIMBER-CRIB DAM

Structure : Cluneys Downstream Dam/Spillway Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : _____
Weather : Overcast, 2°C Releases : _____

Structure (*Timber structural members, Timber planking, Crib content*)

Timbers in fair condition with isolated deterioration (rot).

Upstream Face (*Alignment, Seepage on d/s face, Downstream toe settlement*)

The planks along the upstream face were in fair condition.

Crest (*Surface cracking, Settlement*)

Small amount of erosion adjacent to abutment on left-hand side. (see photo)

Abutments (*Condition, Seepage around dam – location/amount*)

The abutments were in good condition – good timbers and ballast.

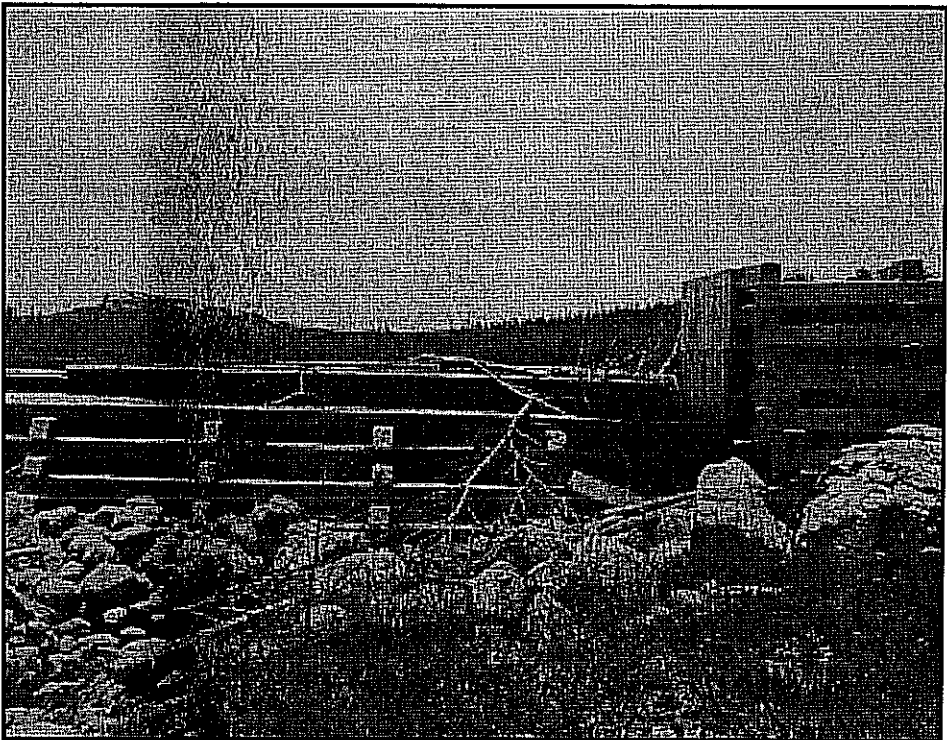
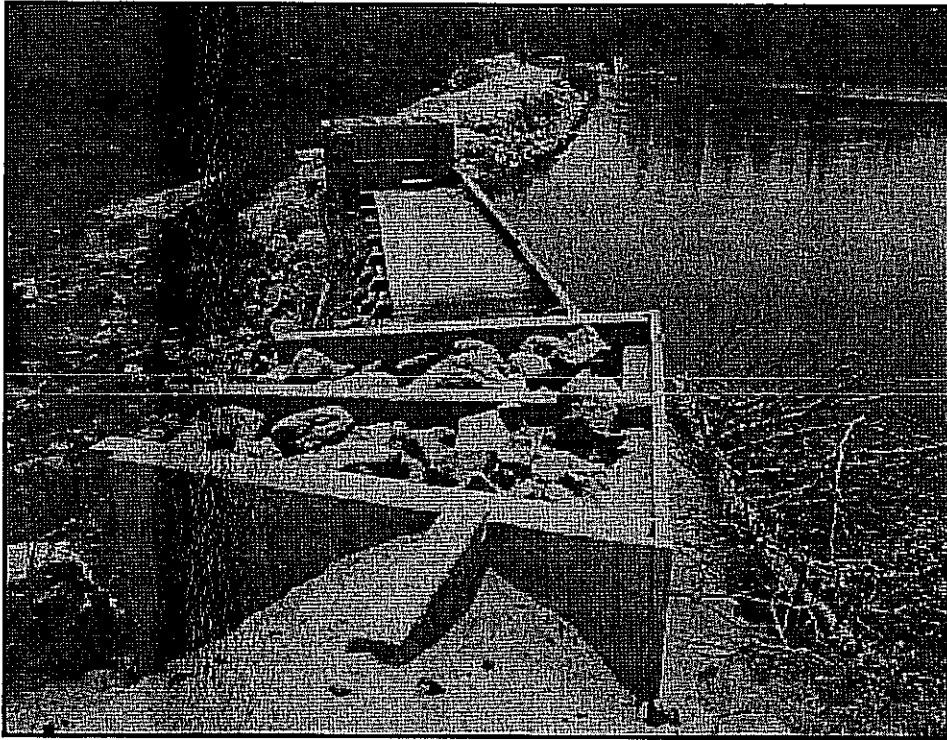
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks

Some debris to be removed from d/s toe.

Leakage observed at toe near right-hand side abutment.



ROCKFILL OVERFLOW SPILLWAY

Structure : Long Pond Dam Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : _____
Weather : Overcast, 2°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

The upstream face was in fair to good condition. Riprap was somewhat irregular.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Other*)

Gaps observed in downstream overflow rock fill zone. Regrading of rock fill is required.

Some vegetation was evident on the downstream face – should be cleared.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Rock fill protection is sparse.

Stilling Basin (*Debris, Wall's movement/settlement/joints/erosion*)

Some standing water at downstream toe.

Outlet Channel (*Slope protection, Stability of side slopes, Vegetation/obstructions, Debris in water, Stoplogs condition/operation*)

Clear – no obstructions to flow.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Rock fill grade is significantly lower than the design crest elevation at various locations along the crest.

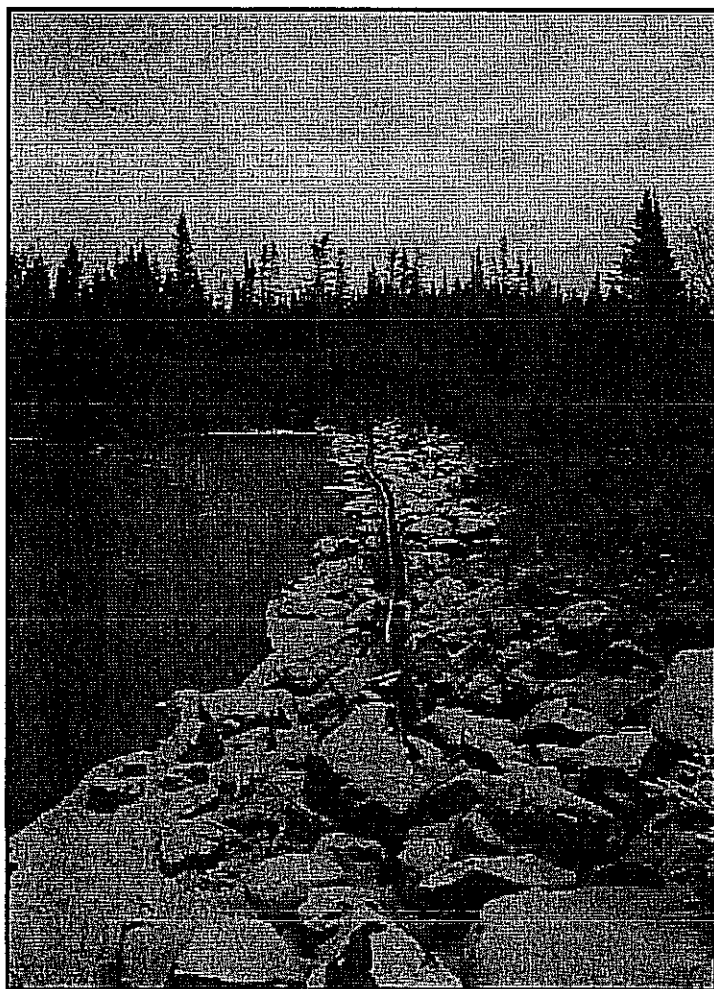
Significant voids/holes in riprap immediately adjacent to the steel cut-off wall.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Approach Channel (*Slides above channel, Stability of side slopes, Log boom, Debris, Slope protection*)

No obstructions.

Remarks



EMBANKMENT DAM

Structure : Rocky Pond Freeboard Dam #1 Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : _____
Weather : Overcast, 2°C Releases : 1' above FSL

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap protection is fair – sparse in some locations. No problems observed.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Downstream face in good condition. No evidence of movement.

Vegetation has been cleared since last inspection.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Good transition to natural banks.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest was in good condition – no problems caused by vehicular traffic.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

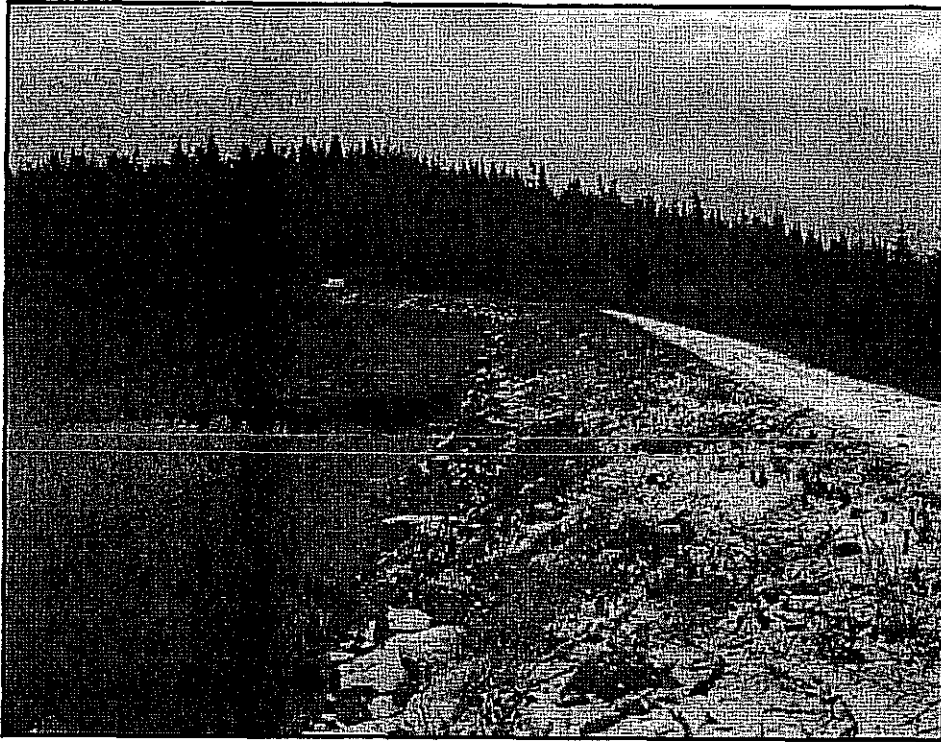
None observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

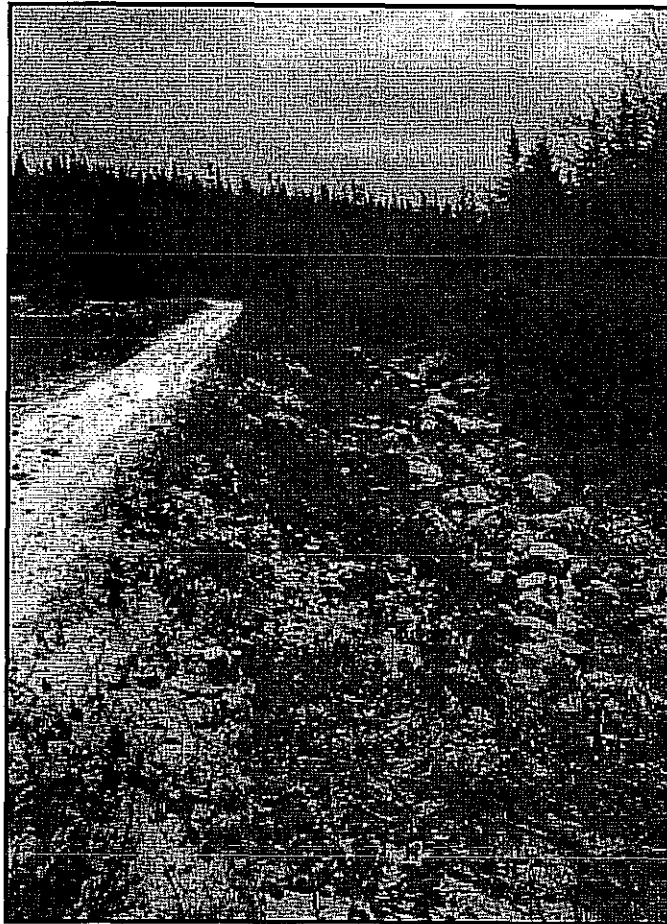
N/A

Remarks

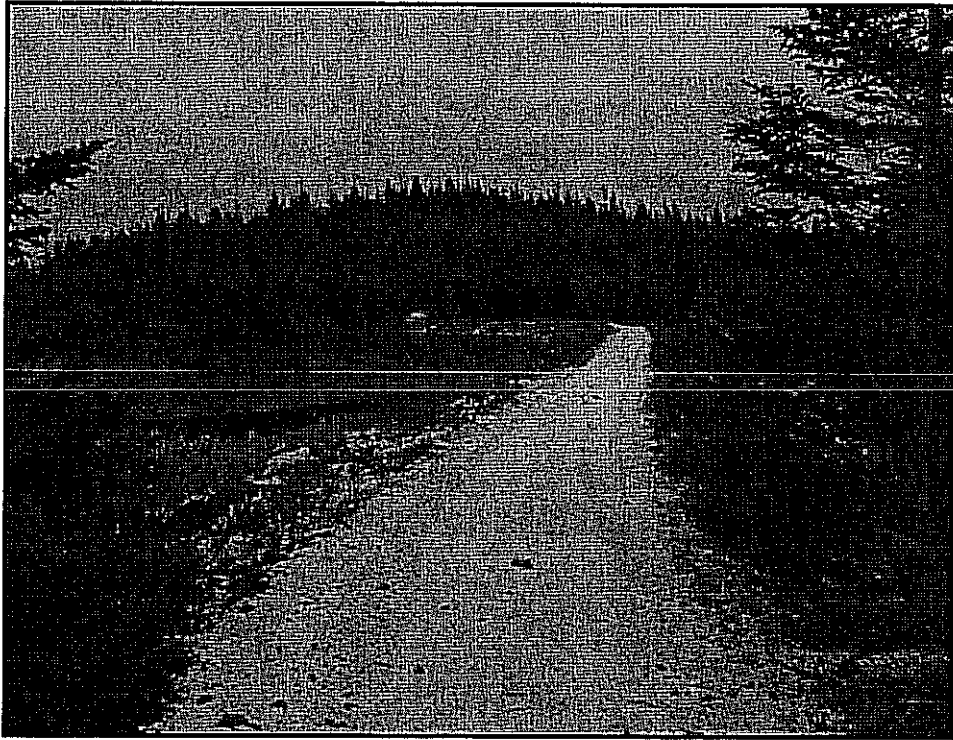
Dam in good condition overall.



Rocky Pond Freeboard Dam No. 1



Rocky Pond Freeboard Dam No. 1



Rocky Pond Freeboard Dam No. 1

EMBANKMENT DAM

Structure : Rocky Pond Freeboard Dam #2 & #3 Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : _____
Weather : Overcast, 2°C Releases : 1' above FSL

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Slopes are stable.

Rock fill protection is in fair condition.

Riprap does not extend to the upper sections of the slope.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Upstream face is in good condition. Slopes are stable. No signs of movement.

Minimal amount of vegetation

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

The abutments were in good condition. No unusual conditions.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

Crest was in good condition. No deterioration of crest due to vehicular traffic.

No vegetation observed.

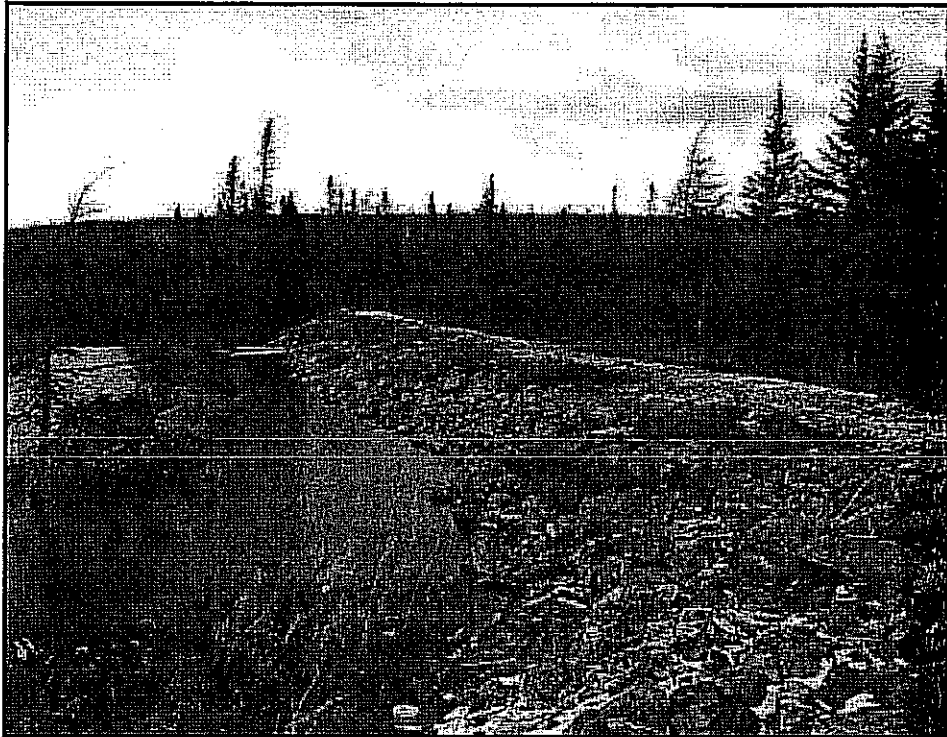
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

Area of ponded water at d/s toe. No flow observed.

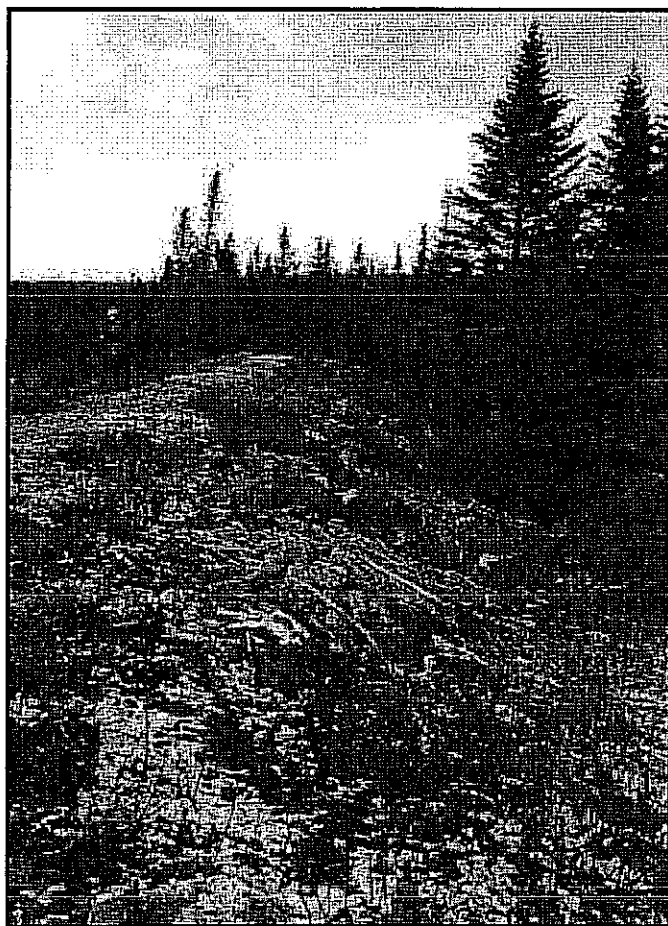
Remarks

Previously reported vegetation was cleared in 2004.

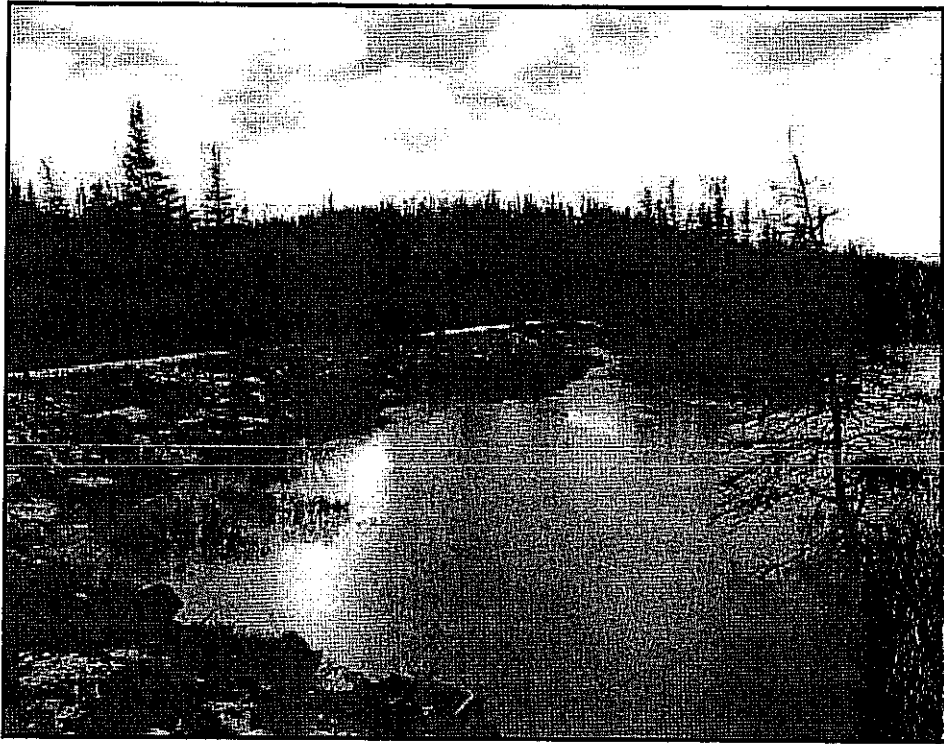
No signs of erosion caused by recent high storage levels.



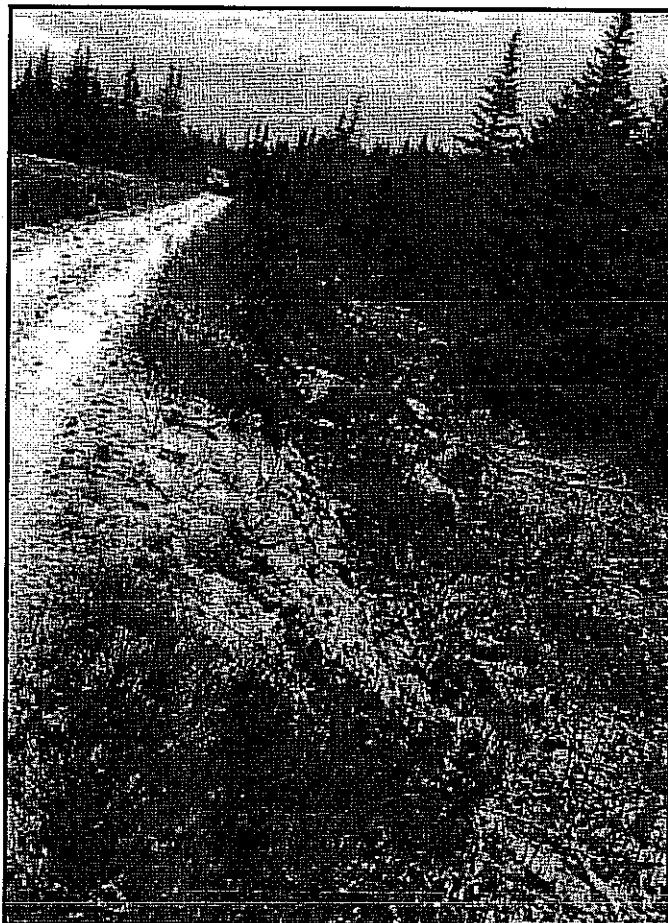
Rocky Pond Freeboard Dam No. 2



Rocky Pond Freeboard Dam No. 2



Rocky Pond Freeboard Dam No. 3



Rocky Pond Freeboard Dam No. 3



Rocky Pond Freeboard Dam No. 2 (upper left)

Rocky Pond Freeboard Dam No. 3 (bottom right)

EMBANKMENT DAM

Structure : Rocky Pond Dam Date/Time : 2005-12-20
Inspected by : TC, RH, RV Water Level : 1' above FSL
Weather : Overcast, 2°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is fairly small with some holes present in the riprap. Recent windstorm events combined with unusually high reservoir operating levels has caused minor erosion of upstream face. See attached photos of repaired areas. Should consider increasing freeboard protection.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Downstream face was in good condition. Slopes appear to be stable. No evidence of movement. No unusual conditions.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

South abutment is OK. North concrete abutment in good condition - recently repaired.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

The crest was in good condition. No problems observed.

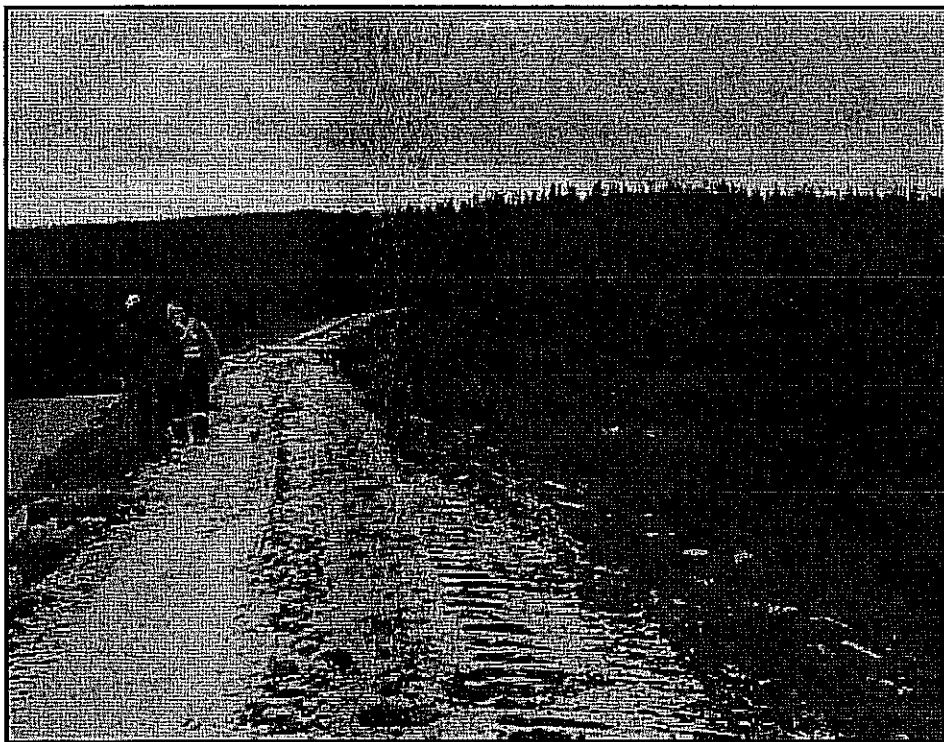
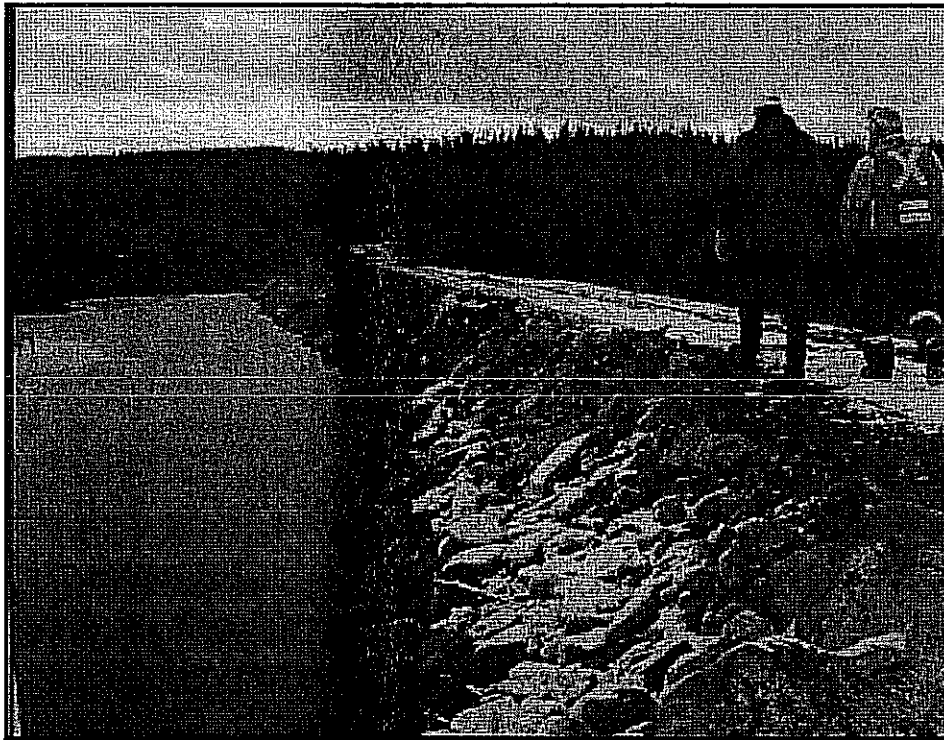
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

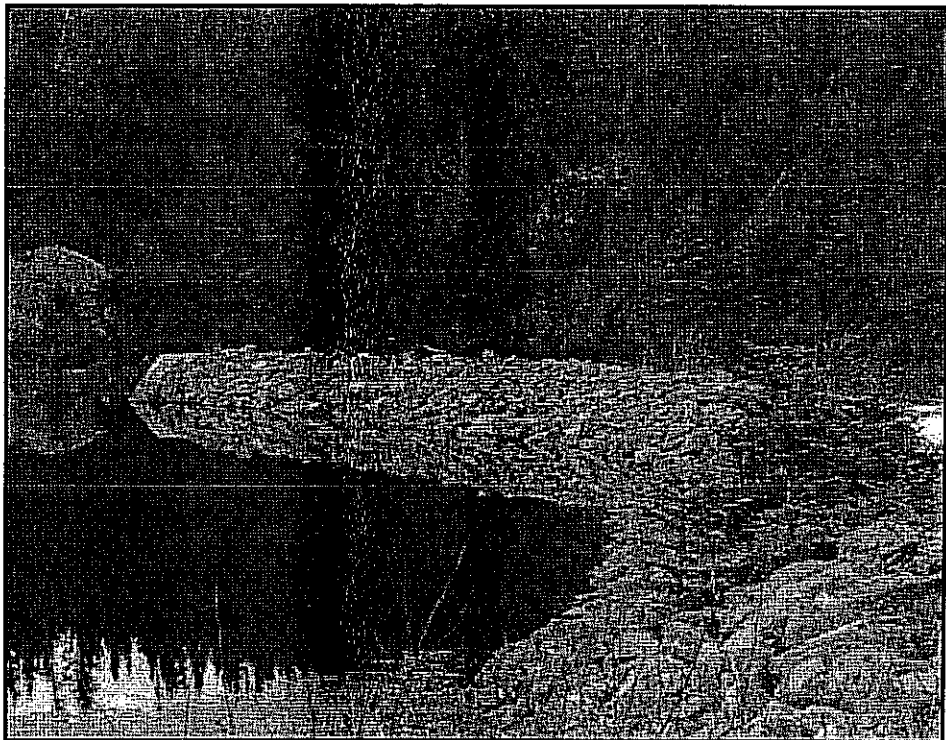
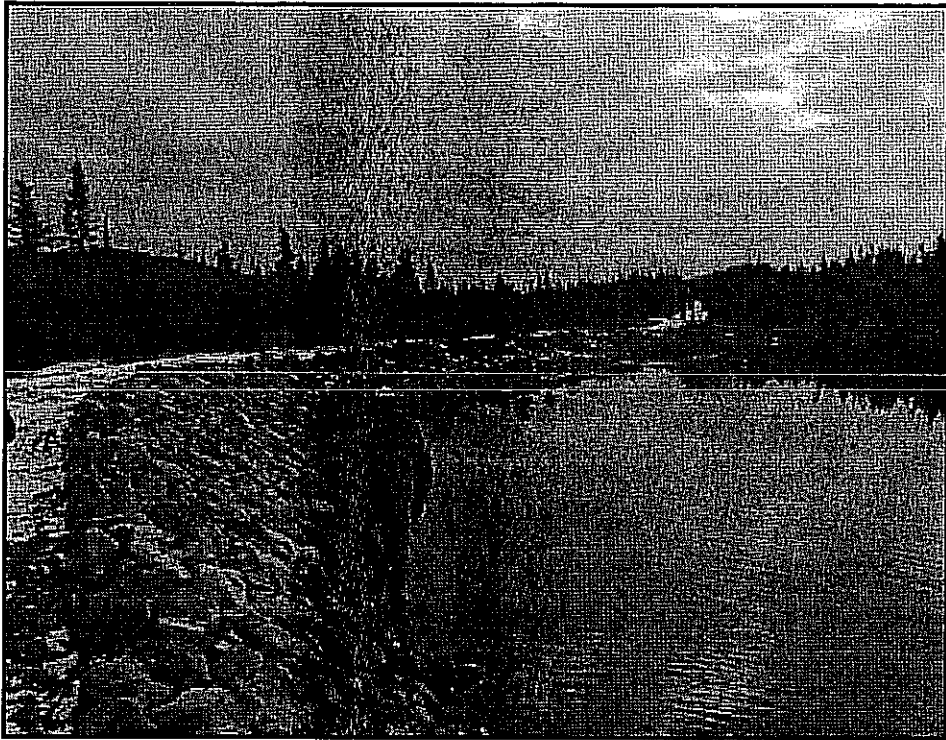
Small amount of standing water observed at d/s toe near mid-section of dam (deepest section). Otherwise, very little seepage observed.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Intake structure not inspected at this time.

Remarks





CONCRETE SPILLWAY

Structure :	Rocky Pond Forebay Spillway	Date/Time :	2005-12-20
Inspected by :	TC, RH, RV	Water Level :	1' above FSL
Weather :	Overcast, 2°C	Releases :	

Control Structures *(Crest, Orifices)*

Concrete crest was in good condition. Exhibiting normal signs of concrete aging.

Gates and Controls *(Type of Gate, General condition, Operation of gates at time of inspection)*

N/A

Approach Channel *(Debris, Slides over channel, Channel side slope stability, Slope protection)*

Clear - no obstructions

Walkway *(Condition of Piers, Condition of decking and beams, Condition of rails)*

N/A

Stilling Basin *(Debris in basin, Walls movement, Walls settlement)*

Good - no debris present.

Outlet Channel *(Slope Protection, Stability of Slopes, Vegetation and other obstructions)*

Minor amount of grassy vegetation – not an obstruction to flow.

Small amount of standing water.

Flashboards *(Condition, Operation)*

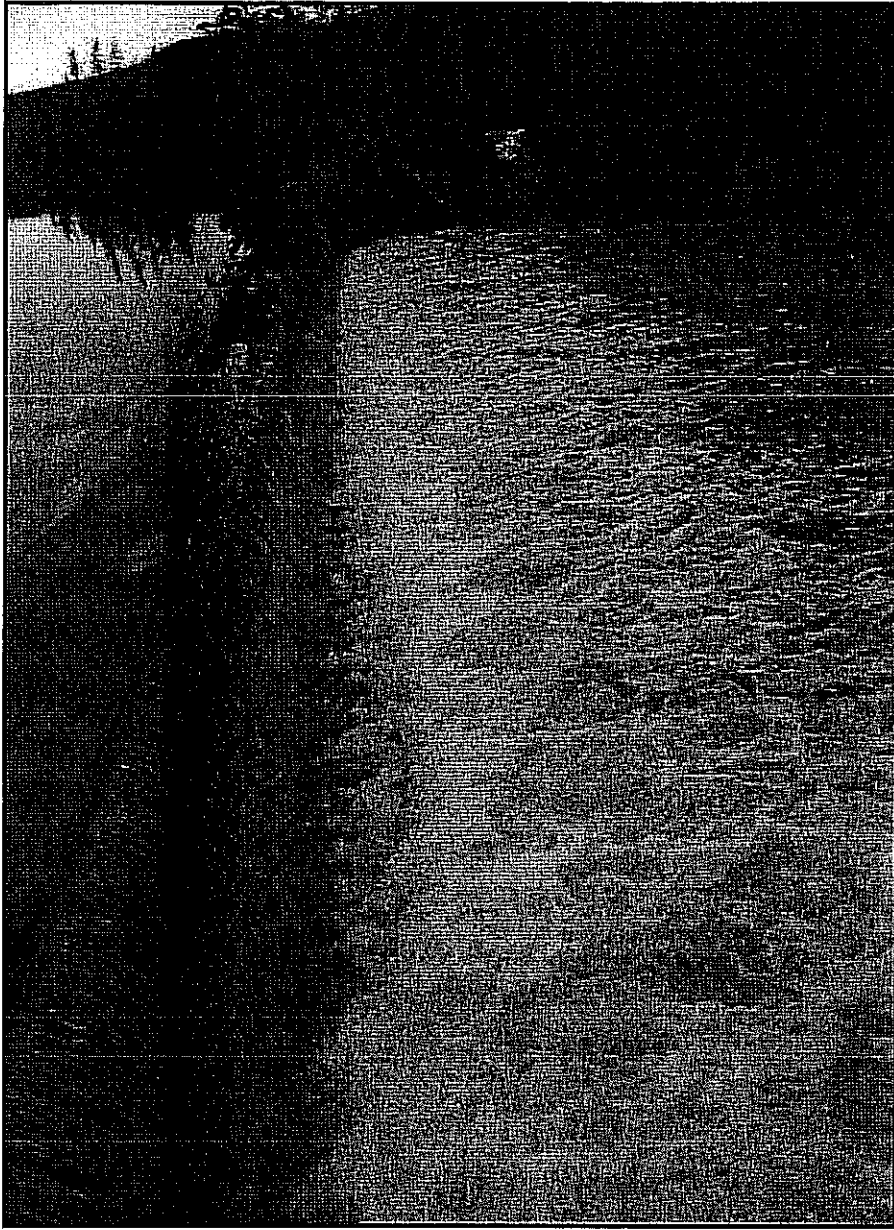
N/A

Abutments *(Condition, Seepage around dam – location/amount)*

Remarks

East concrete abutment was in recently repaired.

The plunge pool appears to be operating effectively with good dissipation of energy at the downstream toe.



EMBANKMENT DAM

Structure :	<u>Tors Cove West Dam</u>	Date/Time :	<u>20051216</u>
Inspected by :	<u>TC, RV</u>	Water Level :	<u>2 ft Below FSL</u>
Weather :	<u>Overcast, 0°C</u>	Releases :	<u></u>

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Riprap is sparse (scheduled for capital improvements in 2006).

No signs of erosion.

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

Vegetation has recently been cleared (Fall 2005).

There were no signs of movement.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments in good condition. No unusual conditions noted.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

The crest appeared to be in good condition. There were no signs of overtopping.

ATV traffic is not causing deterioration.

Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

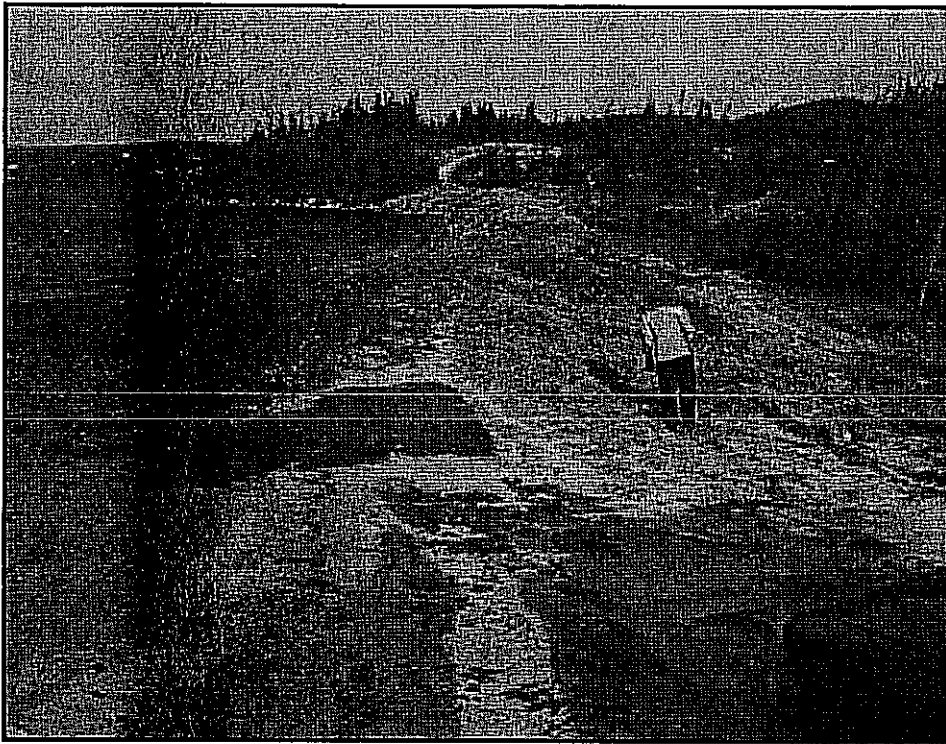
Small amount of seepage at d/s toe -- no apparent change from previous inspection.

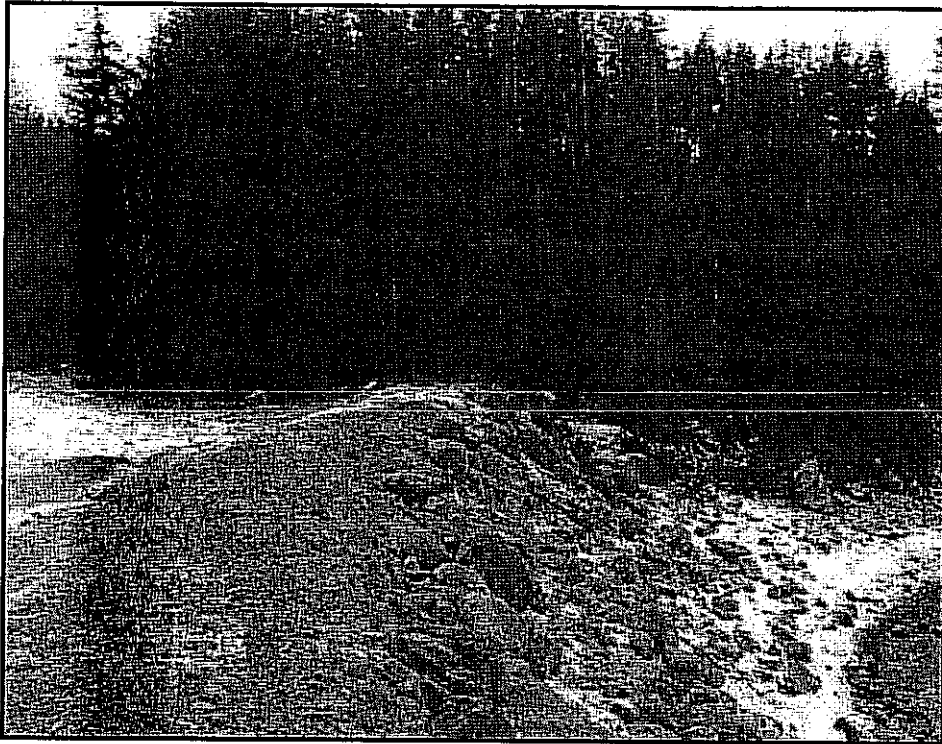
One area of ponded water located halfway up the slope at the north end.

Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

N/A

Remarks





EMBANKMENT DAM

Structure : Tors Cove East Dam Date/Time : 2005-12-16
Inspected by : TC, RV Water Level : 2' Below FSL
Weather : Overcast, 0°C Releases : _____

Upstream Face (*Slide movements, Slope protection, Erosion-beaching, Cracks, Sinkholes, Settlement, Displacement, Debris, Unusual conditions*)

Some isolated areas of erosion damage (likely due to wave action).

Riprap improvements are required (scheduled for upgrade in 2006).

Downstream Face (*Slide movements, Signs of movements, Cracks, Seepage or wet areas, Unusual conditions*)

The downstream face appeared to be in good condition.

Abutments (*Seepage, Cracks/joints/bedding planes, Slides, Signs of movement*)

Abutments were in good condition. No unusual conditions.

Crest (*Surface cracking, Settlement, Lateral movement, Camber*)

The crest appeared somewhat narrow. No signs of overtopping due to wave action.

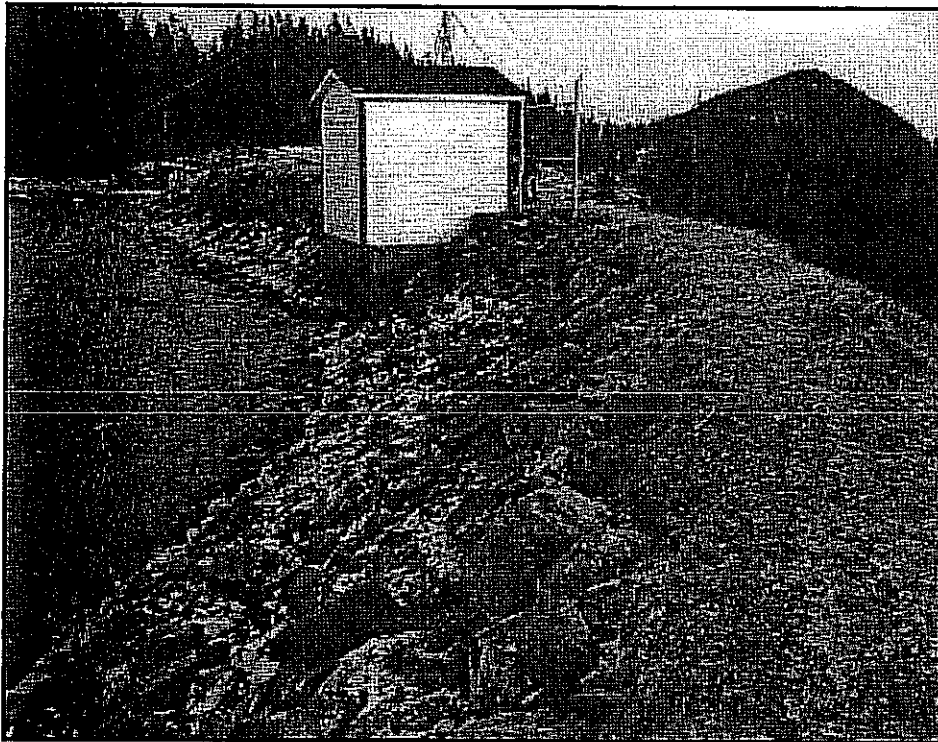
Seepage and Drainage (*Locations(s), Estimated flow(s), Color (staining), Toe drain and relief wells*)

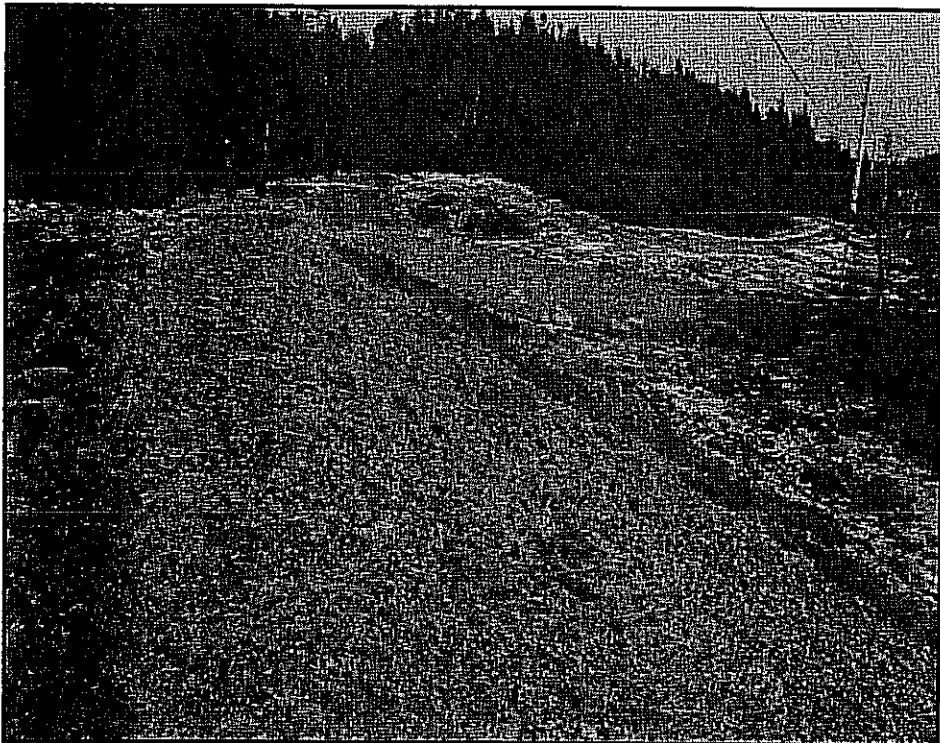
None observed

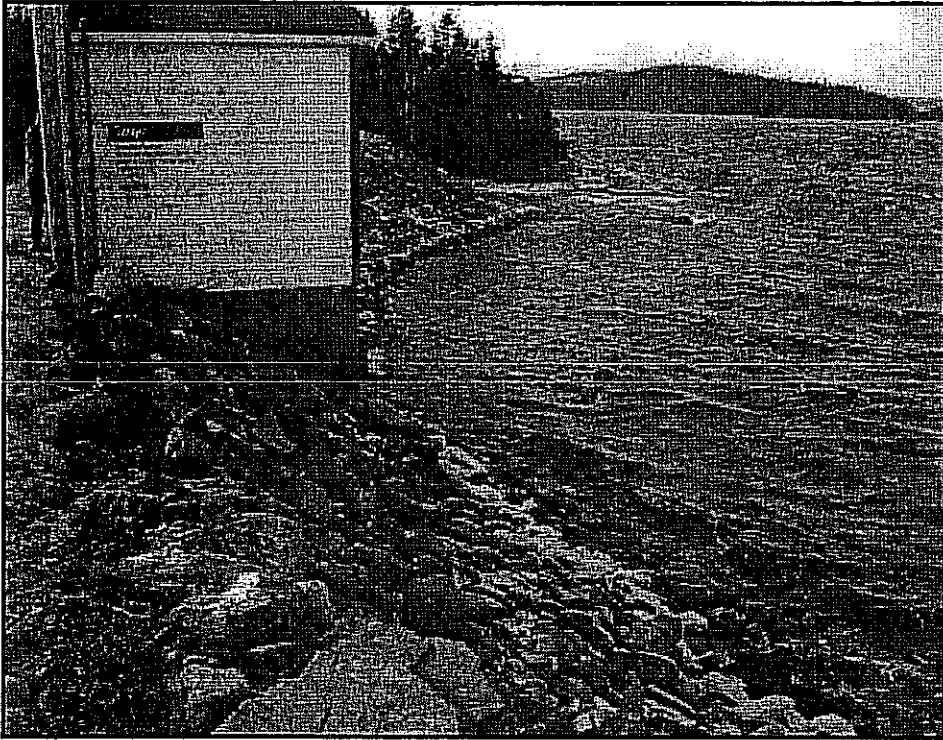
Outlet Works (*Approach & Discharge channels, Structure/Abutments, Leakage, Operation of Gate/Lift*)

Intake structure not inspected at this time.

Remarks







CONCRETE SPILLWAY

Structure : Tors Cove Spillway Date/Time : 2005-12-16
Inspected by : TC, RV Water Level : 2' Below FSL
Weather : Overcast, 0°C Releases : _____

Control Structures (*Crest, Orifices*)

Concrete is weathered with exposed aggregate.

Gates and Controls (*Type of Gate, General condition, Operation of gates at time of inspection*)

N/A

Approach Channel (*Debris, Slides over channel, Channel side slope stability, Slope protection*)

The approach channel was clear.

Walkway (*Condition of Piers, Condition of decking and beams, Condition of rails*)

The walkway was in fair condition overall.

Toe boards required.

Stilling Basin (*Debris in basin, Walls movement, Walls settlement*)

No problems were observed.

Outlet Channel (*Slope Protection, Stability of Slopes, Vegetation and other obstructions*)

The outlet channel was clear – no obstructions to flow.

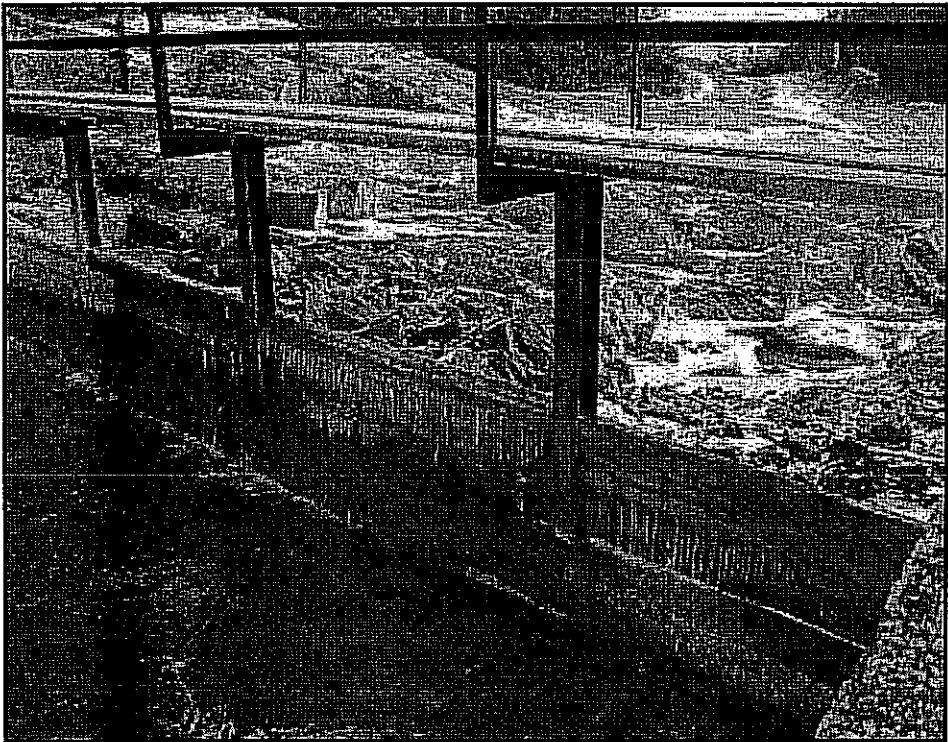
Flashboards (*Condition, Operation*)

4 stoplogs in place (6" each = 2')

Abutments (*condition, Seepage around dam – location/amount*)

Abutments were in good condition.

Remarks





**ROCKY POND OPERATOR'S
DAM SAFETY INSPECTION CHECKLIST**

Franks Pond Dam # 1

Date: May 14 - 03

Water Level:

654.6

Weather:

Sunny

Timber:

Down with filled dam

Leakage Measurement:

Comments:

Franks Pond Dam # 2

Date:

Water Level:

654.6

Weather:

Sunny

Upstream Slope:

good

Downstream Slope:

good

Crest:

good

Comments:

Franks Pond Dam # 3 & Spillway

Date:

Water Level:

654.6

Weather:

Sunny

Upstream Slope:

good

Crest:

good

Downstream Slope:

good

Leakage Measurement (include photo):

No change

Spillway Riprap:

good

Spillway Channel:

good

Comments:

Franks Pond Dam # 4

Date:

Water Level:

654.6

Weather:

Sunny

Upstream Slope:

good

Crest:

good

Downstream Slope:

good

Seepage Measurement:

No change little seepage

Comments:

Franks Pond Dam # 5 & Spillway**Date:**

Water Level:

Weather:

Upstream Slope/Riprap

Timber/Metal Cutoff:

Downstream Slope/Riprap (include photo):

Spillway Channel:

Comments:

654.6
sunny.
good
good
good
good

Franks Pond Dam # 6**Date:**

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments:

654.6
sunny.
good
small depression
some footage.

Franks Pond Dam # 7**Date:**

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments:

654.6
sunny.
good
good
good

Franks Pond Storage Dam & Outlet**Date:**

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Gate Opening:

Gate Operation:

Outlet:

Comments:

654.6
sunny.
good
needs some repairs
good
16"
good
needs repairs

Franks Pond Canal Dyke

Date:

Water Level:
Weather:
Upstream Slope:
Crest:
Downstream Slope:
Leakage Measurement (include photo):
Comments:

654.6
Sunny.
good
good
good
No change.

Franks Pond Canal Spillway

Date:

Water Level:
Weather:
Timber Decking:
Cribbing/Ballast:
Spillway Channel:
Comments:

654.6
Sunny.
good
good
good

Cape Pond Dam, Spillway and Outlet

Date: June 16-03

Water Level:
Weather:
Upstream Timber Decking:
Spillway Timber Decking Crest:
Cribbing/Ballast:
Gate Opening:
Gate Operation:
Operating Gate & Concrete:
Non-operating Stoplogs and Concrete:
Leak Measurement:
Comments:

588.0
overcast
Earth filled dam
in good condition
20"
closed.
" "
" "
no change.

High Speed Canal Spillway

Date: June 17-03

Water Level:
Weather:
Upstream Slope/Riprap:
Metal Cutoff:
Downstream Slope/Riprap (include photo):
Abutments:
Spillway Channel:
Leak Measurement (include photo):
Comments:

588.0
Sunny.
good
" "
" "
" "
" "
Little leakage.

Cluneys Canal DykeDate: June 17, 2003

Water Level:

588.0 Canal full.

Weather:

Sunny.

Upstream Slope:

Good

Crest:

" "

Downstream Slope:

" "

Leak Measurement (include photo):

No change.

Comments: _____

Cluneys Upstream Spillway

Date: _____

Water Level:

Sunny

Weather:

good

Upstream Slope/Riprap:

" "

Metal Cutoff:

" "

Downstream Slope/Riprap:

" "

Abutments:

" "

Spillway Channel:

" "

Seepage Measurement (include photo):

No change.

Comments: _____

Cluneys Control Structure

Date: _____

Water Level:

Good Full gate

Weather:

" "

Gate Opening:

" "

Gate Operation:

" "

Concrete:

Gabions washed

Gabions:

Comments: out on bottom.**Cluneys Weir**

Date: _____

Water Level:

Concrete in good condition

Weather:

" "

Timber Facing:

" "

Cribbing/Ballast:

Comments: _____

Cluneys Downstream Spillway

Date: June 17-03

Water Level: _____

Weather: _____

Timber Decking: _____

Cribbing/Ballast: _____

Spillway Channel: _____

Leakage Measurement (include photo): _____

Comments: _____

Needs repairs
good
" "
Leakage increasing

Lamanche Canal Dyke

Date: _____

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Alder Growth: _____

Downstream Slope: _____

Restrictions in Canal: _____

Leakage Measurements (include photos): _____

Comments: _____

good
good
Need to be cut
good
none
No change

Lamanche Canal Spillway # 1

Date: _____

Water Level: _____

Weather: _____

Concrete: _____

Spillway Channel: _____

Comments: _____

Good
good

Lamanche Canal Spillway # 2

Date: _____

Water Level: _____

Weather: _____

Concrete: _____

Spillway Channel: _____

Comment: _____

Good
good

Lamanche Canal (Butler's Brook) Spillway # 3

Date: June 17 - 03

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Settlement:

Downstream Toe:

Spillway Channel:

Leakage Measurement:

Comments: Bridge on canal at Butlers need repairs.
Bridge on the road in bad condition. Girders to be replaced.

Block board to be replaced.

good

good

good

good

No change.

Lamanche Canal Spillway # 4

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Good

good

Lamanche Canal Spillway # 5

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

good sunny

good

Lamanche Canal Spillway # 6

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Good

good

Lamanche Canal Spillway # 7

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

good

Long Pond Dam, Spillway and Control Structure

Date: _____

Water Level: _____

Weather: _____

Upstream Slope/Riprap: _____

Metal Cut-off: _____

Downstream Slope/Riprap (include photo): _____

Spillway Channel/Road culvert: _____

Leakage Measurement (include photo): _____

Control Structure: _____

- Concrete: _____

- Gatehouse: _____

Comments: _____

Good.
good.
good.
good.
No change.
good.
No gatehouse

Rocky Pond Freeboards Dams

Date: June 13-03

Water Level: _____

Weather: _____

Upstream Slope (Dam # 1): _____

Crest (Dam # 1): _____

Downstream Slope (Dam # 1): _____

Upstream Slope (Dam # 2): _____

Crest (Dam # 2): _____

Downstream Slope (Dam # 2): _____

Upstream Slope (Dam # 3): _____

Crest (Dam # 3): _____

Downstream Slope (Dam # 3): _____

Comments: _____

400.7
sunny.
good
" "
some brush.
good.
good.
some brush.
good.
good.
good.

Rocky Pond Dam, Spillway and Intake

Date: _____

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Intake/Walkway: _____

Gate Operation: _____

Gatehouse: _____

Spillway Concrete: _____

Spillway Channel: _____

Comments: _____

400.7
sunny.
good
good
good.
good.
good.
good.
good.
good.

Rocky Pond Penstock

Date:

Weather:

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments: Few small leaks in penstock.

Sunny.

good.

good.

Leads cleaning out.

good.

good.

good.

good.

ROCKY POND OPERATOR'S DAM SAFETY INSPECTION CHECKLIST

Franks Pond Dam # 1

Date: Oct-29-03 - 38

Water Level: 647.0
 Weather: Fine
 Timber: New earth filled down
 Leakage Measurement: in good condition
 Comments: No leakage at this dam.

Franks Pond Dam # 2

Date: - 37

Water Level: 647.0
 Weather: fine
 Upstream Slope: good
 Downstream Slope: good
 Crest: good
 Comments:

Franks Pond Dam # 3 & Spillway

Date: - 35-36

Water Level: 647.0
 Weather: fine
 Upstream Slope: good
 Crest: good
 Downstream Slope: good
 Leakage Measurement (include photo): Little seepage
 Spillway Riprap: good
 Spillway Channel: good
 Comments:

Franks Pond Dam # 4

Date: - 34

Water Level: 647.0
 Weather: fine
 Upstream Slope: good
 Crest:
 Downstream Slope:
 Seepage Measurement: No change
 Comments:

Franks Pond Dam # 5 & SpillwayDate: Oct - 29 - 03 33

Water Level: 647.0
Weather: fine
Upstream Slope/Riprap: good
Timber/Metal Cutoff: good
Downstream Slope/Riprap (include photo): good
Spillway Channel: good
Comments: _____

Franks Pond Dam # 6

Date: _____ 32

Water Level: 647.0
Weather: fine
Upstream Slope: good
Crest: good
Downstream Slope: good
Comments: Our dam in good condition

Franks Pond Dam # 7

Date: _____ 31

Water Level: 647.0
Weather: fine
Upstream Slope: good
Crest: good
Downstream Slope: good
Comments: _____

Franks Pond Storage Dam & Outlet

Date: _____ 39

Water Level: 647.0
Weather: fine
Upstream Slope: good
Crest: good
Downstream Slope: good
Gate Opening: 3 ft
Gate Operation: good
Outlet: good
Comments: _____

Franks Pond Canal Dyke

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo):

Comments:

647.0

fine

good

good

good

No leakage at this elev.

Franks Pond Canal Spillway

Date:

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Comments:

647.0

fine

good

good

good

Cape Pond Dam, Spillway and Outlet

Date:

Oct - 30 - 03

Water Level:

Weather:

Upstream Timber Decking:

Spillway Timber Decking Crest:

Cribbing/Ballast:

Gate Opening:

Gate Operation:

Operating Gate & Concrete:

Non-operating Stoplogs and Concrete:

Leak Measurement:

Comments:

587.2

- 25

Sunny

Good spillway

in good condition

1"

good

1"

1"

No leakage noted

High Speed Canal Spillway

Date:

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap (include photo):

Abutments:

Spillway Channel:

Leak Measurement (include photo):

Comments:

587.2

- 24

Sunny

good

good

good

good

Good good

none

Brush to be cut

Cluneys Canal DykeDate: Oct - 30 - 03Water Level: 587.2Weather: fineUpstream Slope: goodCrest: goodDownstream Slope: goodLeak Measurement (include photo): None

Comments: _____

Cluneys Upstream Spillway

Date: _____

- 20

Water Level: 587.2Weather: fineUpstream Slope/Riprap: goodMetal Cutoff: goodDownstream Slope/Riprap: OKAbutments: OKSpillway Channel: OKSeepage Measurement (include photo): Little seepage

Comments: _____

Cluneys Control Structure

Date: _____

- 21

Water Level: 587.2Weather: fineGate Opening: fullGate Operation: goodConcrete: OKGabions: OK

Comments: _____

Cluneys Weir

Date: _____

- 22

Water Level: 587.2Weather: fineTimber Facing: goodCribbing/Ballast: good

Comments: _____

Cluneys Downstream Spillway

Date: 06-30-03

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Leakage Measurement (include photo):

Comments:

587.2

- 23

fine
needs repairgood
good

Little seepage at this elev.

Lamanche Canal Dyke

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Alder Growth:

Downstream Slope:

Restrictions in Canal:

Leakage Measurements (include photos):

Comments:

587.2

fine
good
good

alder need to be cut.

good
none

No leakage at this elev.

Lamanche Canal Spillway # 1

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

587.2

fine
good
good**Lamanche Canal Spillway # 2**

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comment:

587.2

fine
good
good

Lamanche Canal (Butler's Brook) Spillway # 3

Date: Oct - 30 - 03

Water Level:

587.2

Weather:

fine

Timber Decking:

good

Cribbing/Ballast:

good

Settlement:

No change.

Downstream Toe:

good

Spillway Channel:

good

Leakage Measurement:

No leakage.

Comments:

Lamanche Canal Spillway # 4

Date:

Water Level:

587.2

Weather:

fine

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 5

Date:

Water Level:

587.2

Weather:

fine

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 6

Date:

Water Level:

587.2

Weather:

fine

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 7

Date:

Water Level:

587.2

Weather:

fine

Concrete:

good

Spillway Channel:

good

Comments:

Long Pond Dam, Spillway and Control Structure

Date: Oct-30-03

Water Level: 5872 -26

Weather: fine

Upstream Slope/Riprap: good

Metal Cut-off: good

Downstream Slope/Riprap (include photo): good

Spillway Channel/Road culvert: good

Leakage Measurement (include photo): small amount of leakage.

Control Structure: -

- Concrete: structure removed

- Gatehouse: water face glowing.

Comments: brush to be cut downstream. Log

road down

Rocky Pond Freeboards Dams

Date: Oct-24-03

Water Level: 399.7

Weather: overcast

Upstream Slope (Dam # 1): good

Crest (Dam # 1): good

Downstream Slope (Dam # 1): brush to be cut.

Upstream Slope (Dam # 2): good

Crest (Dam # 2): good

Downstream Slope (Dam # 2): brush to be cut.

Upstream Slope (Dam # 3): good

Crest (Dam # 3): good

Downstream Slope (Dam # 3): brush to be cut.

Comments:

Rocky Pond Dam, Spillway and Intake

Date:

Water Level: 399.7

Weather: overcast.

Upstream Slope: good

Crest: good

Downstream Slope: good

Intake/Walkway: good

Gate Operation: good

Gatehouse: good

Spillway Concrete: good

Spillway Channel: good

Comments: work being done on spillway

Rocky Pond Penstock

Date:

Weather:
Alignment:
Bed:
Drainage Ditches:
Woodstaves:
Bands:
Cradles:
Concrete Headwall at Intake:
Comments:

overcast
good
good
good
good
Four bands to be decked off again
good
good

0 0 1 9 4 4 W N
" water

100
63

37.0
288.0
3.1

284.9

Rocky Pond

Franks Pond Dam # 5 & Spillway

Date:

Water Level: _____

Weather: _____

Upstream Slope/Riprap _____

Timber/Metal Cutoff: _____

Downstream Slope/Riprap (include photo): _____

Spillway Channel: _____

Comments: _____

Franks Pond Dam # 6

Date:

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Comments: _____

Franks Pond Dam # 7

Date:

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Comments: _____

Franks Pond Storage Dam & Outlet

Date: 04-04-21

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Gate Opening: _____

Gate Operation: _____

Outlet: _____

Comments: _____

65210

Shining

good

good

good

1"

good

good

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Franks Pond Canal Dyke

Water Level:
Weather:
Upstream Slope:
Crest:
Downstream Slope:
Leakage Measurement (include photo):
Comments:

Date: 04-04-21
652.0
sunny
good
good
good
No change

Franks Pond Canal Spillway

Water Level:
Weather:
Timber Decking:
Cribbing/Ballast:
Spillway Channel:
Comments:

Date:
652.0
sunny
good
good
good

Cape Pond Dam, Spillway and Outlet

Water Level:
Weather:
Upstream Timber Decking:
Spillway Timber Decking Crest:
Cribbing/Ballast:
Gate Opening:
Gate Operation:
Operating Gate & Concrete:
Non-operating Stoplogs and Concrete:
Leak Measurement:
Comments:

Date: 04-04-20
591.5
overcast
New concrete filled Dam
is good shape.
Gate Closed.
Good.
" "
Little seepage.

High Speed Canal Spillway

Water Level:
Weather:
Upstream Slope/Riprap:
Metal Cutoff:
Downstream Slope/Riprap (include photo):
Abutments:
Spillway Channel:
Leak Measurement (include photo):
Comments:

Date: 04-04-29
591.0
overcast
good
good
good
good
good
No change.
Gravel to be cut on dam.

Form # 762

10/26/99

Cluneys Canal Dyke

Date: 04-04-20

Water Level:

591.5

Weather:

overcast

Upstream Slope:

good

Crest:

good

Downstream Slope:

good

Leak Measurement (Include photo):

No change

Comments:

Cluneys Upstream Spillway

Date:

Water Level:

591.5

Weather:

overcast

Upstream Slope/Riprap:

good

Metal Cutoff:

good

Downstream Slope/Riprap:

good

Abutments:

good

Spillway Channel:

good

Seepage Measurement (Include photo):

Comments: 1/2" water going over spill.

Cluneys Control Structure

Date:

Water Level:

591.5

Weather:

overcast

Gate Opening:

Full

Gate Operation:

good

Concrete:

good

Gabions:

good

Comments:

Cluneys Weir

Date:

Water Level:

591.5

Weather:

overcast

Timber Facing:

good

Cribbing/Ballast:

good

Comments:

Cluneys Downstream Spillway

Date: 04-04-20

Water Level:

591.5

Weather:

overcast

Timber Decking:

concrete deck good

Cribbing/Ballast:

good

Spillway Channel:

good

Leakage Measurement (include photo):

little seepage

Comments: dense riparian needed to destroy

Lamarche Canal Dyke

Date: 04-04-20

Water Level:

591.0

Weather:

overcast

Upstream Slope:

good

Crest:

good

Alder Growth:

down to low cut

Downstream Slope:

good

Restrictions in Canal:

none

Leakage Measurements (include photos):

no seepage

Comments:

Lamarche Canal Spillway #1

Date:

Water Level:

591.0

Weather:

overcast

Concrete:

good

Spillway Channel:

good

Comments:

Lamarche Canal Spillway #2

Date:

Water Level:

591.0

Weather:

overcast

Concrete:

good

Spillway Channel:

good

Comment:

Lamanche Canal (Butler's Brook) Spillway #3

Date: 04-04-29

Water Level: 591.0
Weather: overcast
Timber Decking: good
Cribbing/Ballast: good
Settlement: no change
Downstream Toe: good
Spillway Channel: good
Leakage Measurement: little seepage
Comments:

Lamanche Canal Spillway # 4

Date:

Water Level: 591.0
Weather: overcast
Concrete: good
Spillway Channel: good
Comments:

Lamanche Canal Spillway # 5

Date:

Water Level: 591.0
Weather: overcast
Concrete: good
Spillway Channel: good
Comments:

Lamanche Canal Spillway # 6

Date:

Water Level: 591.0
Weather: overcast
Concrete: good
Spillway Channel: good
Comments:

Lamanche Canal Spillway # 7

Date:

Water Level: 591.0
Weather: overcast
Concrete: good
Spillway Channel: good
Comments:

Long Pond Dam, Spillway and Control Structure Date: 04-04-29

Water Level: 591.0
Weather: overcast
Upstream Slope/Riprap: good
Metal Cut-off: good
Downstream Slope/Riprap (include photo): good
Spillway Channel/Road culvert: some brush to be cut.
Leakage Measurement (include photo): No change.
Control Structure:
- Concrete: good
- Gatehouse: n/a
Comments:

Rocky Pond Freeboards Dams

Date:

Water Level: 399.8
Weather: overcast
Upstream Slope (Dam # 1): good
Crest (Dam # 1): good
Downstream Slope (Dam # 1): good
Upstream Slope (Dam # 2): good
Crest (Dam # 2): good
Downstream Slope (Dam # 2): good
Upstream Slope (Dam # 3): " "
Crest (Dam # 3): " "
Downstream Slope (Dam # 3): " "
Comments: Brush to be cut. road to dam's upstream
with trees and brush.

Rocky Pond Dam, Spillway and Intake

Date:

Water Level: 399.8
Weather: overcast
Upstream Slope: good
Crest: good
Downstream Slope: " "
Intake/Walkway: good
Gate Operation: good
Gatehouse: good
Spillway Concrete: " "
Spillway Channel: " "
Comments:

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10/26/99

66/92/01

294 # 00002

Rocky Pond Penstock

Date: 04-04-22

Weather: overcast

Alignment: good

Bed: good

Drainage Ditches: 11

Woodstaves: 11

Bands: 11

Cradles: 11

Concrete Headwall at Intake: 11

Comments: The small leaks in pipe.

**ROCKY POND OPERATOR'S
DAM SAFETY INSPECTION CHECKLIST**

Franks Pond Dam # 1

Date: 04-11-09

Water Level:

651.2

Weather:

overcast

Timber:

Good Dam in good condition

Leakage Measurement:

Comments:

Franks Pond Dam # 2

Date:

Water Level:

651.2

Weather:

overcast

Upstream Slope:

good

Downstream Slope:

good

Crest:

good

Comments:

Franks Pond Dam # 3 & Spillway

Date:

Water Level:

651.2

Weather:

overcast

Upstream Slope:

good

Crest:

good

Downstream Slope:

Some ponded water

Leakage Measurement (include photo):

No change

Spillway Riprap:

good

Spillway Channel:

good

Comments:

Franks Pond Dam # 4

Date:

Water Level:

651.2

Weather:

overcast

Upstream Slope:

good

Crest:

good

Downstream Slope:

good

Seepage Measurement:

No change

Comments:

Franks Pond Dam # 5 & Spillway

Date: 04-11-08

Water Level: 651.2
Weather: overcast
Upstream Slope/Riprap: good
Timber/Metal Cutoff: good
Downstream Slope/Riprap (Include photo): good
Spillway Channel: good
Comments: _____

Franks Pond Dam # 6

Date: _____

Water Level: 651.2
Weather: overcast
Upstream Slope: good
Crest: good
Downstream Slope: good
Comments: _____

Franks Pond Dam # 7

Date: _____

Water Level: 651.2
Weather: overcast
Upstream Slope: good
Crest: good
Downstream Slope: good
Comments: _____

Franks Pond Storage Dam & Outlet

Date: _____

Water Level: 651.2
Weather: overcast
Upstream Slope: good
Crest: good
Downstream Slope: good
Gate Opening: 12"
Gate Operation: good
Outlet: good
Comments: _____

Franks Pond Canal Dyke

Date: 04-11-09.
Water Level: 651.2
Weather: overcast.
Upstream Slope: good.
Crest: good.
Downstream Slope: good.
Leakage Measurement (include photo): Little leakage.
Comments:

Franks Pond Canal Spillway

Date:
Water Level: 651.2.
Weather: overcast.
Timber Decking: good.
Cribbing/Ballast: good.
Spillway Channel: good.
Comments:

Cape Pond Dam, Spillway and Outlet

Date: 04-10-23
Water Level: 588.5
Weather: Sunny
Upstream Timber Decking: 1/A
Spillway Timber Decking Crest: good.
Cribbing/Ballast: " " "
Gate Opening: 17"
Gate Operation: good
Operating Gate & Concrete: good
Non-operating Stoplogs and Concrete: " "
Leak Measurement: No change little seepage.
Comments:

High Speed Canal Spillway

Date:
Water Level: 588.5
Weather: Sunny
Upstream Slope/Riprap: Good
Metal Cutoff: " "
Downstream Slope/Riprap (include photo): " "
Abutments: " "
Spillway Channel: " "
Leak Measurement (include photo): No change.
Comments:

Cluneys Canal Dyke

Date: 04-10-25

Water Level: 588.5
Weather: Sunny
Upstream Slope: good
Crest: good
Downstream Slope: good
Leak Measurement (include photo): little leakage
Comments: _____

Cluneys Upstream Spillway

Date:

Water Level: 588.5
Weather: Sunny
Upstream Slope/Riprap: good
Metal Cutoff: good
Downstream Slope/Riprap: " "
Abutments: " "
Spillway Channel: " "
Seepage Measurement (include photo): very little seepage.
Comments: _____

Cluneys Control Structure

Date:

Water Level: 588.5
Weather: Sunny
Gate Opening: Full
Gate Operation: good
Concrete: good
Gabions: good
Comments: _____

Cluneys Weir

Date:

Water Level: 588.5
Weather: Sunny
Timber Facing: good
Cribbing/Ballast: good

Comments: _____

Cluneys Downstream Spillway

Date: 04-25-10

Water Level:

588.5

Weather:

Sunny

Timber Decking:

~~Asphalt~~

Cribbing/Ballast:

good

Spillway Channel:

good

Leakage Measurement (include photo):

No change

Comments:

Lamanche Canal Dyke

Date:

Water Level:

588.5

Weather:

Sunny

Upstream Slope:

good

Crest:

good

Alder Growth:

Alders to be cut

Downstream Slope:

good

Restrictions in Canal:

none

Leakage Measurements (include photos):

No change

Comments:

Lamanche Canal Spillway # 1

Date:

Water Level:

588.5

Weather:

Sunny

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 2

Date:

Water Level:

588.5

Weather:

Sunny

Concrete:

good

Spillway Channel:

good

Comment:

Lamanche Canal (Butler's Brook) Spillway # 3

Date: 04-10-25

Water Level:

588.5

Weather:

Sunny

Timber Decking:

good

Cribbing/Ballast:

good

Settlement:

No change.

Downstream Toe:

good.

Spillway Channel:

good

Leakage Measurement:

No change.

Comments:

Lamanche Canal Spillway # 4

Date:

Water Level:

588.5

Weather:

Sunny

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 5

Date:

Water Level:

588.5

Weather:

Sunny

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 6

Date:

Water Level:

588.5

Weather:

Sunny

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 7

Date:

Water Level:

588.5

Weather:

Sunny

Concrete:

good

Spillway Channel:

good.

Comments:

Long Pond Dam, Spillway and Control Structure

Date: 04-10-25

Water Level: 558.5
Weather: Sunny
Upstream Slope/Riprap: good
Metal Cut-off: good
Downstream Slope/Riprap (include photo): good
Spillway Channel/Road culvert: good Some brush to be cut.
Leakage Measurement (include photo): No change
Control Structure:
- Concrete: N/A
- Gatehouse: N/A
Comments: Filt washing out down stream of bridge.

Rocky Pond Freeboards Dams

Date:

Water Level: 400.1
Weather: Sunny
Upstream Slope (Dam # 1): good
Crest (Dam # 1): good
Downstream Slope (Dam # 1): good
Upstream Slope (Dam # 2): 11 11
Crest (Dam # 2): 11 11
Downstream Slope (Dam # 2): 11 11
Upstream Slope (Dam # 3): 11 11
Crest (Dam # 3): 11 11
Downstream Slope (Dam # 3): 11 11
Comments: Brush to be cut.

Rocky Pond Dam, Spillway and Intake

Date:

Water Level: 400.1
Weather: Sunny
Upstream Slope: good
Crest: 11 11
Downstream Slope: 11 11
Intake/Walkway: 11 11
Gate Operation: good
Gatehouse: 11 11
Spillway Concrete: 11 11
Spillway Channel: 11 11
Comments:

Rocky Pond Penstock

Date: 04-10-25

Weather:

Sunny

Alignment:

good

Bed:

" "

Drainage Ditches:

" "

Woodstaves:

looks to be stopped

Bands:

good

Cradles:

" "

Concrete Headwall at Intake:

" "

Comments:

ROCKY POND OPERATOR'S DAM SAFETY INSPECTION CHECKLIST

Franks Pond Dam # 1

Date: Feb - 2 - 05

Water Level: _____

654.2

Weather: _____

Sunny

Timber: _____

Down with filled dam.

Leakage Measurement: _____

Comments: Shore covered.

Franks Pond Dam # 2

Date: _____

Water Level: _____

654.2

Weather: _____

fine

Upstream Slope: _____

good

Downstream Slope: _____

good

Crest: _____

" "

Comments: _____

Franks Pond Dam # 3 & Spillway

Date: _____

Water Level: _____

654.2

Weather: _____

fine

Upstream Slope: _____

good

Crest: _____

" "

Downstream Slope: _____

" "

Leakage Measurement (include photo: _____

No change

Spillway Riprap: _____

good

Spillway Channel: _____

good

Comments: _____

Franks Pond Dam # 4

Date: _____

Water Level: _____

654.2

Weather: _____

fine

Upstream Slope: _____

good

Crest: _____

" "

Downstream Slope: _____

" "

Seepage Measurement: _____

No change

Comments: _____

Franks Pond Dam # 5 & Spillway

Date: Feb. 2 - 05

Water Level:

Weather:

Upstream Slope/Riprap

Timber/Metal Cutoff:

Downstream Slope/Riprap (include photo):

Spillway Channel:

Comments:

654.2
fine
good
good
good
good

Franks Pond Dam # 6

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments:

654.2
fine
good
good
good

Franks Pond Dam # 7

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments:

654.2
fine
good
" "
" "

Franks Pond Storage Dam & Outlet

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Gate Opening:

Gate Operation:

Outlet:

Comments:

654.2
fine
good
good
good
6"
good
good

Franks Pond Canal Dyke

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo):

Comments:

654.2
fine
good
good
No change.

Franks Pond Canal Spillway

Date:

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Comments:

654.2
fine
good
good
good

Cape Pond Dam, Spillway and Outlet

Date:

Water Level:

Weather:

Upstream Timber Decking:

Spillway Timber Decking Crest:

Cribbing/Ballast:

Gate Opening:

Gate Operation:

Operating Gate & Concrete:

Non-operating Stoplogs and Concrete:

Leak Measurement:

Comments:

Feb. 1-05
590.4
fine
Earth filled dam.
Snow covered
15"
good
No change.

High Speed Canal Spillway

Date:

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap (include photo):

Abutments:

Spillway Channel:

Leak Measurement (include photo):

Comments:

590.4
fine
good
good
12" 1"
12" 1"
No change.

Cluneys Canal Dyke

Date: Feb-4-05

Water Level:

590.4

Weather:

fine

Upstream Slope:

good

Crest:

good

Downstream Slope:

good

Leak Measurement (include photo):

No change.

Comments: _____

Cluneys Upstream Spillway

Date: _____

Water Level:

590.4

Weather:

fine

Upstream Slope/Riprap:

good

Metal Cutoff:

good

Downstream Slope/Riprap:

" "

Abutments:

" "

Spillway Channel:

" "

Seepage Measurement (include photo):

No change in leakage.

Comments: _____

Cluneys Control Structure

Date: _____

Water Level:

590.4

Weather:

fine

Gate Opening:

good

Gate Operation:

full

Concrete:

good

Gabions:

good

Comments: _____

Cluneys Weir

Date: _____

Water Level:

590.4

Weather:

fine

Timber Facing:

good

Cribbing/Ballast:

good

Comments: _____

Cluneys Downstream Spillway

Date:

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Leakage Measurement (include photo):

Comments:

590.4
fine
good
good
No change

Lamanche Canal Dyke

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Alder Growth:

Downstream Slope:

Restrictions in Canal:

Leakage Measurements (include photos):

Comments:

590.4
fine
good
good
Alder to be cut
good
none
No change

Lamanche Canal Spillway # 1

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

590.4
fine
good
good

Lamanche Canal Spillway # 2

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comment:

590.4
fine
good
good

Lamanche Canal (Butler's Brook) Spillway # 3

Date: Feb 1-05

Water Level:

590.4

Weather:

fine

Timber Decking:

good

Cribbing/Ballast:

good

Settlement:

No change

Downstream Toe:

good

Spillway Channel:

good

Leakage Measurement:

No change

Comments:

Lamanche Canal Spillway # 4

Date:

Water Level:

590.4

Weather:

fine

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 5

Date:

Water Level:

590.4

Weather:

fine

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 6

Date:

Water Level:

590.4

Weather:

fine

Concrete:

good

Spillway Channel:

good

Comments:

Lamanche Canal Spillway # 7

Date:

Water Level:

590.4

Weather:

fine

Concrete:

good

Spillway Channel:

good

Comments:

Long Pond Dam, Spillway and Control Structure Date:

Water Level: 590.4
Weather: fine
Upstream Slope/Riprap: good
Metal Cut-off: good
Downstream Slope/Riprap (include photo): good
Spillway Channel/Road culvert: good
Leakage Measurement (include photo): No change in leakage.
Control Structure:
- Concrete: damaged
- Gatehouse: 1' 1'
Comments: _____

Rocky Pond Freeboards Dams

Date: Feb. 3-05

Water Level: 400.8
Weather: fine
Upstream Slope (Dam # 1): good
Crest (Dam # 1): good
Downstream Slope (Dam # 1): good
Upstream Slope (Dam # 2): 1' 1'
Crest (Dam # 2): 1' 1'
Downstream Slope (Dam # 2): 1' 1'
Upstream Slope (Dam # 3): 1' 1'
Crest (Dam # 3): 1' 1'
Downstream Slope (Dam # 3): 1' 1'
Comments: Some brush to be cut.

Rocky Pond Dam, Spillway and Intake

Date:

Water Level: 400.8
Weather: fine
Upstream Slope: good
Crest: good
Downstream Slope: 1' 1'
Intake/Walkway: 1' 1'
Gate Operation: 1' 1'
Gatehouse: 1' 1'
Spillway Concrete: 1' 1'
Spillway Channel: 1' 1'
Comments: _____

Rocky Pond Penstock

Date:

Weather:

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments:

Fine
good.
good
Just cleaning out.
good.
good
good
good.

Franks Pond Canal Dyke

Date: _____

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Leakage Measurement (include photo): _____

Comments: _____

Franks Pond Canal Spillway

Date: _____

Water Level: _____

Weather: _____

Timber Decking: _____

Cribbing/Ballast: _____

Spillway Channel: _____

Comments: _____

Cape Pond Dam, Spillway and Outlet

Date: 04-08-05

Water Level: 590.0

Weather: Wet

Upstream Timber Decking: _____

Spillway Timber Decking Crest: _____

Cribbing/Ballast: OK

Gate Opening: 17

Gate Operation: OK

Operating Gate & Concrete: OK

Non-operating Stoplogs and Concrete: OK

Leak Measurement: _____

Comments: Railing needs scraping & painting

High Speed Canal Spillway

Date: 04-08-05

Water Level: 14.2 ft

Weather: Wet

Upstream Slope/Riprap: OK

Metal Cutoff: OK

Downstream Slope/Riprap (include photo): _____

Abutments: OK

Spillway Channel: OK

Leak Measurement (include photo): _____

Comments: _____

Cluneys Canal Dyke

Date: 04-08-05

Water Level:
Weather:
Upstream Slope:
Crest:
Downstream Slope:
Leak Measurement (include photo):
Comments:

Full

wet

OK

OK

OK

-

-

Cluneys Upstream Spillway

Date: 04-08-05

Water Level:
Weather:
Upstream Slope/Riprap:
Metal Cutoff:
Downstream Slope/Riprap:
Abutments:
Spillway Channel:
Seepage Measurement (include photo):
Comments:

Full

wet

OK

OK

OK

OK

OK

-

Cluneys Control Structure

Date: 04-08-05

Water Level:
Weather:
Gate Opening:
Gate Operation:
Concrete:
Gabions:
Comments:

Full

wet

Full

OK

OK

OK

door in gate house needs repairs

Cluneys Weir

Date: 04-08-05

Water Level:
Weather:
Timber Facing:
Cribbing/Ballast:

Full

wet

OK

OK

Comments:

Cluneys Downstream Spillway

Date: 04-08-05

Water Level:

Full

Weather:

wet

Timber Decking:

ok

Cribbing/Ballast:

ok

Spillway Channel:

ok

Leakage Measurement (include photo):

Comments:

Lamanche Canal Dyke

Date: 04-08-05

Water Level:

Full

Weather:

wet

Upstream Slope:

ok

Crest:

ok

Alder Growth:

some growth

Downstream Slope:

ok

Restrictions in Canal:

ok

Leakage Measurements (include photos):

Comments:

Lamanche Canal Spillway # 1

Date: 04-08-05

Water Level:

Full

Weather:

wet

Concrete:

ok

Spillway Channel:

ok

Comments:

Lamanche Canal Spillway # 2

Date: 04-08-05

Water Level:

Full

Weather:

wet

Concrete:

ok

Spillway Channel:

ok

Comment:

Lamanche Canal (Butler's Brook) Spillway # 3

Date: 04-08-05

Water Level:

Full

Weather:

wet

Timber Decking:

ok

Cribbing/Ballast:

ok

Settlement:

ok

Downstream Toe:

ok

Spillway Channel:

ok

Leakage Measurement:

Comments:

Lamanche Canal Spillway # 4

Date: 04-08-05

Water Level:

Full

Weather:

wet

Concrete:

ok

Spillway Channel:

ok

Comments:

Lamanche Canal Spillway # 5

Date: 04-08-05

Water Level:

Full

Weather:

wet

Concrete:

ok

Spillway Channel:

ok

Comments:

Lamanche Canal Spillway # 6

Date: 04-08-05

Water Level:

Full

Weather:

wet

Concrete:

ok

Spillway Channel:

ok

Comments:

Lamanche Canal Spillway # 7

Date: 04-08-05

Water Level:

Full

Weather:

wet

Concrete:

ok

Spillway Channel:

ok

Comments:

Long Pond Dam, Spillway and Control Structure

Date: 04-18-05

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cut-off:

Downstream Slope/Riprap (include photo):

Spillway Channel/Road culvert:

Leakage Measurement (include photo):

Control Structure:

- Concrete:

- Gatehouse:

Comments:

401-c

FINE

OK

OK

OK

OK

OK

OK

OK

OK

OK

Rocky Pond Freeboards Dams

Date: 04/18-05

Water Level:

Weather:

Upstream Slope (Dam # 1):

Crest (Dam # 1):

Downstream Slope (Dam # 1):

Upstream Slope (Dam # 2):

Crest (Dam # 2):

Downstream Slope (Dam # 2):

Upstream Slope (Dam # 3):

Crest (Dam # 3):

Downstream Slope (Dam # 3):

Comments:

401-c

FINE

OK

OK

OK

OK

OK

OK

OK

OK

OK

OK

Rocky Pond Dam, Spillway and Intake

Date: 04-18-05

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Intake/Walkway:

Gate Operation:

Gatehouse:

Spillway Concrete:

Spillway Channel:

Comments:

401-c

FINE

OK

OK

OK

OK

OK

OK

OK

OK

OK

Rocky Pond Penstock

Date: 04-18-65

Weather:	fine
Alignment:	ok
Bed:	ok
Drainage Ditches:	ok
Woodstaves:	ok
Bands:	ok
Cradles:	ok
Concrete Headwall at Intake:	ok
Comments:	Some leaks in pipe line Main next to plant need to be cleaned out

Rop

44972

Rocky Pond PenstockDate:

Weather:

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments: Asain by plants needs attencloudy
OK
OK
OK
OK
OK
OK

Franks Pond Canal Dyke

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo):

Comments:

Franks Pond Canal Spillway

Date:

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Comments:

Cape Pond Dam, Spillway and Outlet

Date:

10-26-2005

Water Level:

Weather:

Upstream Timber Decking:

Spillway Timber Decking Crest:

Cribbing/Ballast:

Gate Opening:

Gate Operation:

Operating Gate & Concrete:

Non-operating Stoplogs and Concrete:

Leak Measurement:

Comments:

High Speed Canal Spillway

Date:

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap (include photo):

Abutments:

Spillway Channel:

Leak Measurement (include photo):

Comments: There a lot of trees on high speed spillway

Cluneys Canal Dyke

Date: 10-26-05

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leak Measurement (include photo):

Comments:

wet

ok

ok

ok

Cluneys Upstream Spillway

Date: 10-26-05

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap:

Abutments:

Spillway Channel:

Seepage Measurement (include photo):

Comments:

wet

ok

ok

ok

ok

ok

Cluneys Control Structure

Date: 10-26-05

Water Level:

Weather:

Gate Opening:

Gate Operation:

Concrete:

Gabions:

Comments:

wet

Full

ok

ok

ok

Cluneys Weir

Date: 10-26-05

Water Level:

Weather:

Timber Facing:

Cribbing/Ballast:

wet

ok

ok

Comments:

Cluneys Downstream Spillway

Date: 10-26-05

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Leakage Measurement (include photo):

Comments:

wet

ok

ok

ok

Lamanche Canal Dyke

Date: 10-26-05

Water Level:

Weather:

Upstream Slope:

Crest:

Alder Growth:

Downstream Slope:

Restrictions in Canal:

Leakage Measurements (include photos):

Comments:

wet

ok

ok

some

ok

ok

Lamanche Canal Spillway # 1

Date: 10-26-05

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

wet

ok

ok

Lamanche Canal Spillway # 2

Date: 10-26-05

Water Level:

Weather:

Concrete:

Spillway Channel:

Comment:

wet

ok

ok

Lamanche Canal (Butler's Brook) Spillway # 3Date:

Water Level: _____

Weather: _____

Timber Decking: _____

Cribbing/Ballast: _____

Settlement: _____

Downstream Toe: _____

Spillway Channel: _____

Leakage Measurement: _____

Comments: _____

Lamanche Canal Spillway # 4Date:

Water Level: _____

Weather: wetConcrete: okSpillway Channel: ok

Comments: _____

Lamanche Canal Spillway # 5Date:

Water Level: _____

Weather: wetConcrete: okSpillway Channel: ok

Comments: _____

Lamanche Canal Spillway # 6Date:

Water Level: _____

Weather: wetConcrete: okSpillway Channel: ok

Comments: _____

Lamanche Canal Spillway # 7Date:

Water Level: _____

Weather: wetConcrete: okSpillway Channel: ok

Comments: _____

Long Pond Dam, Spillway and Control Structure Date:

Water Level: _____
Weather: _____
Upstream Slope/Riprap: _____
Metal Cut-off: _____
Downstream Slope/Riprap (include photo): _____
Spillway Channel/Road culvert: _____
Leakage Measurement (include photo): _____
Control Structure: _____
- Concrete: _____
- Gatehouse: _____
Comments: ~~No~~ No control structure

Rocky Pond Freeboards Dams

Date:

Water Level:	<u>Full</u>
Weather:	<u>ok</u>
Upstream Slope (Dam # 1):	<u>ok</u>
Crest (Dam # 1):	<u>ok</u>
Downstream Slope (Dam # 1):	<u>ok</u>
Upstream Slope (Dam # 2):	<u>ok</u>
Crest (Dam # 2):	<u>ok</u>
Downstream Slope (Dam # 2):	<u>ok</u>
Upstream Slope (Dam # 3):	<u>ok</u>
Crest (Dam # 3):	<u>ok</u>
Downstream Slope (Dam # 3):	<u>ok</u>
Comments:	_____

Rocky Pond Dam, Spillway and Intake

Date:

Water Level:	<u>Full?</u>
Weather:	<u>wet</u>
Upstream Slope:	<u>ok</u>
Crest:	<u>ok</u>
Downstream Slope:	<u>ok</u>
Intake/Walkway:	<u>ok</u>
Gate Operation:	<u>ok</u>
Gatehouse:	<u>ok</u>
Spillway Concrete:	<u>ok</u>
Spillway Channel:	<u>ok</u>
Comments:	_____

Rocky Pond Penstock

Date:

Weather:

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments: some leak in pipe line
drain block down by plants

wet

OK

OK

OK

OK

OK

OK

OK

47495

ROP - Rocky pond Hydro plant

Franks Pond Canal Dyke

Date: _____

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Leakage Measurement (include photo): _____

Comments: _____

W11
4749

Franks Pond Canal Spillway

Date: _____

Water Level: _____

Weather: _____

Timber Decking: _____

Cribbing/Ballast: _____

Spillway Channel: _____

Comments: _____

Cape Pond Dam, Spillway and Outlet

Date: Feb 21/06

Water Level: 586.1

Weather: fine

Upstream Timber Decking: N/A

Spillway Timber Decking Crest: good

Cribbing/Ballast: good

Gate Opening: 18"

Gate Operation: good

Operating Gate & Concrete: good

Non-operating Stoplogs and Concrete: N/A

Leak Measurement: NONE

Comments: snow covered; painting could use a coat of fresh paint.

High Speed Canal Spillway

Date: Feb 21/06

Water Level: _____

Weather: fine

Upstream Slope/Riprap: _____

Metal Cutoff: _____

Downstream Slope/Riprap (include photo): _____

Abutments: _____

Spillway Channel: _____

Leak Measurement (include photo): _____

Comments: snow covered / trees on high speed

Date: Feb 21/08

1 foot down

Friday

George

Figure 1 consists of two line graphs, (a) and (b), plotting the rate of reaction against temperature. Both graphs have a y-axis labeled 'Rate of reaction' and an x-axis labeled 'Temperature'.

Graph (a) shows a linear relationship. The rate of reaction increases steadily as temperature increases from 10°C to 30°C. The line starts at a low rate at 10°C and reaches a higher rate at 30°C, with intermediate points at 20°C and 25°C.

Graph (b) shows a non-linear relationship. The rate of reaction remains relatively low and constant from 10°C to 20°C. Between 20°C and 30°C, there is a very sharp, almost vertical increase in the rate of reaction. The rate at 30°C is significantly higher than at 20°C.

Year	Percentage of Respondents (%)
1994	65
1996	75
1998	65
2000	75
2002	65
2004	75

Date: *Feb*

Date: Feb 24/05.

1st down

[Handwritten signature]

Figure 1 is a line graph illustrating the percentage of the total sample for various age groups over time. The x-axis represents years from 1970 to 2000, and the y-axis represents the percentage of the total sample, ranging from 0 to 100. The age groups are: 0-14, 15-24, 25-34, 35-44, 45-54, 55-64, and 65+. The graph shows a general trend of decreasing percentages for younger age groups and increasing percentages for older age groups over time.

727

atp. 59

ale. 7-5

Date: Feb 21/08

1st down

[Signature]

9-11-19

art work

Date: Feb

Date: Feb 21/00

Down 1/4

Storia

Comments: _____

Clunays Downstream Spillway

Date: Feb 21/06

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Leakage Measurement (Include photo):

Comments: Snow covereddown 1 ftfinegoodgoodsome leakageLamanche Canal Dyke

Date: Feb 21/06

Water Level:

Weather:

Upstream Slope:

Crest:

Alder Growth:

Downstream Slope:

Restrictions in Canal:

Leakage Measurements (include photos):

Comments: Snow coveredLamanche Canal Spillway # 1

Date: Feb 21/06

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments: Snow covereddown 1 ftLamanche Canal Spillway # 2

Date: Feb 21/06

Water Level:

Weather:

Concrete:

Spillway Channel:

Comment: Snow covereddown 1 ft

Lamanche Canal (Butler's Brook) Spillway # 3

Date:

Feb 21/06

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Settlement:

Downstream Toe:

Spillway Channel:

Leakage Measurement:

Comments: Snow coveredLamanche Canal Spillway # 4

Date:

Feb 21/06

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments: Snow covered - some large tree to be removed that is across canalLamanche Canal Spillway # 5

Date:

Feb 21/06

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments: Snow coveredLamanche Canal Spillway # 6

Date:

Feb 21/06

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments: Snow coveredLamanche Canal Spillway # 7

Date:

Feb 21/06

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments: Snow covered

Long Pond Dam, Spillway and Control StructureDate: P

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cut-off:

Downstream Slope/Riprap (Include photo):

Spillway Channel/Road Culvert:

Leakage Measurement (include photo):

Control Structure:

- Concrete:

- Gatehouse:

Comments:

Rocky Pond Freeboards DamsDate: Feb 21/06

Water Level:

Weather:

Upstream Slope (Dam # 1):

Crest (Dam # 1):

Downstream Slope (Dam # 1):

Upstream Slope (Dam # 2):

Crest (Dam # 2):

Downstream Slope (Dam # 2):

Upstream Slope (Dam # 3):

Crest (Dam # 3):

Downstream Slope (Dam # 3):

Comments: Small covered, fixed overRocky Pond Dam, Spillway and Intake

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Intake/Walkway:

Gate Operation:

Gatehouse:

Spillway Concrete:

Spillway Channel:

Comments: Small covered, fixed over

Rocky Pond Penstock

Date: FEB 21/06

Weather:

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments: snow covered & ice over: drain by
plant still blocked.

ATT
TONY
Christ



ROCKY POND OPERATOR'S
DAM SAFETY INSPECTION CHECKLIST

Franks Pond Dam # 1

Date: March 22/06

Water Level:

Weather:

Timber:

Leakage Measurement:

Comments: ~~water~~ snow covered

Snow covered

Franks Pond Dam # 2

Date: March 22/06

Water Level:

Weather:

Upstream Slope:

Downstream Slope:

Crest:

Comments: snow covered

Franks Pond Dam # 3 & Spillway

Date: March 22/06

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo):

Spillway Riprap:

Spillway Channel:

Comments: snow covered

Franks Pond Dam # 4

Date: March 22/06

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Seepage Measurement:

Comments: snow covered

Franks Pond Dam # 5 & Spillway

Date: *March 22/06*

Water Level:

Weather:

Upstream Slope/Riprap

Timber/Metal Cutoff:

Downstream Slope/Riprap (include photo):

Spillway Channel:

Comments: *Snow covered*

Franks Pond Dam # 6

Date: *March 22/06*

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments: *Snow covered*

Franks Pond Dam # 7

Date: *March 22/06*

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments: *Snow covered*

Franks Pond Storage Dam & Outlet

Date: *March 22/06*

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Gate Opening:

Gate Operation:

Outlet:

Comments: *Snow covered*

Franks Pond Canal DykeDate: March 24/08

Water Level: _____
Weather: _____
Upstream Slope: _____
Crest: _____
Downstream Slope: _____
Leakage Measurement (include photo): _____
Comments: Good

Franks Pond Canal SpillwayDate: March 24/08

Water Level: _____
Weather: Good
Timber Decking: _____
Cribbing/Ballast: _____
Spillway Channel: _____
Comments: Good - open gate to full canal

Cape Pond Dam, Spillway and OutletDate: April 10/08

Water Level: 586.5
Weather: Good
Upstream Timber Decking: N/A
Spillway Timber Decking Crest: _____
Cribbing/Ballast: _____
Gate Opening: 18"
Gate Operation: Push
Operating Gate & Concrete: Good
Non-operating Stoplogs and Concrete: N/A
Leak Measurement: _____
Comments: sacks need painting

High Speed Canal SpillwayDate: April 10/08

Water Level: full
Weather: Good
Upstream Slope/Riprap: Good
Metal Cutoff: _____
Downstream Slope/Riprap (include photo): _____
Abutments: _____
Spillway Channel: _____
Leak Measurement (include photo): _____
Comments: brush need cutting

Cluneys Canal Dyke

Date: March 27/06

Water Level:
Weather:
Upstream Slope:
Crest:
Downstream Slope:
Leak Measurement (include photo):
Comments: OK

Full
Good
Good
Good

Cluneys Upstream Spillway

Date: April 10/06

Water Level:
Weather:
Upstream Slope/Riprap:
Metal Cutoff:
Downstream Slope/Riprap:
Abutments:
Spillway Channel:
Seepage Measurement (include photo):
Comments: OK

Full
Good
Good
Good
Good
Good
Good

Cluneys Control Structure

Date: April 10/06

Water Level:
Weather:
Gate Opening:
Gate Operation:
Concrete:
Gabions:
Comments:

Full
Good
Good
Good
Good
Good
OK

Cluneys Weir

Date:

Water Level:
Weather:
Timber Facing:
Cribbing/Ballast:

Full
Good
Good
Good

Comments: OK

Cluneys Downstream Spillway

Date: April 10/06

Water Level:
Weather:
Timber Decking:
Cribbing/Ballast:
Spillway Channel:
Leakage Measurement (include photo):
Comments:

Full
Good
Good
Good
Good
OK

Lamanche Canal Dyke

Date: April 10/06

Water Level:
Weather:
Upstream Slope:
Crest:
Alder Growth:
Downstream Slope:
Restrictions in Canal:
Leakage Measurements (include photos):
Comments:

Full
Good
Good
Good
Fair

Lamanche Canal Spillway # 1

Date:

Water Level:
Weather:
Concrete:
Spillway Channel:
Comments:

Lamanche Canal Spillway # 2

Date:

Water Level:
Weather:
Concrete:
Spillway Channel:
Comment:

Lamanche Canal (Butler's Brook) Spillway # 3**Date:**

Water Level: _____

Weather: _____

Timber Decking: _____

Cribbing/Ballast: _____

Settlement: _____

Downstream Toe: _____

Spillway Channel: _____

Leakage Measurement: _____

Comments: _____

Lamanche Canal Spillway # 4**Date:**

Water Level: _____

Weather: _____

Concrete: _____

Spillway Channel: _____

Comments: _____

Lamanche Canal Spillway # 5**Date:**

Water Level: _____

Weather: _____

Concrete: _____

Spillway Channel: _____

Comments: _____

Lamanche Canal Spillway # 6**Date:**

Water Level: _____

Weather: _____

Concrete: _____

Spillway Channel: _____

Comments: _____

Lamanche Canal Spillway # 7**Date:**

Water Level: _____

Weather: _____

Concrete: _____

Spillway Channel: _____

Comments: _____

Long Pond Dam, Spillway and Control StructureDate: April 10/08

Water Level: Full
Weather: Good
Upstream Slope/Riprap: Good
Metal Cut-off: Good
Downstream Slope/Riprap (include photo): Good
Spillway Channel/Road culvert: Good
Leakage Measurement (include photo):
Control Structure:
- Concrete: Good
- Gatehouse: NA
Comments: _____

Rocky Pond Freeboards DamsDate: April 10/08

Water Level: Full
Weather: Good
Upstream Slope (Dam # 1): Good
Crest (Dam # 1): Good
Downstream Slope (Dam # 1): Good
Upstream Slope (Dam # 2): Good
Crest (Dam # 2): Good
Downstream Slope (Dam # 2): Good
Upstream Slope (Dam # 3): Good
Crest (Dam # 3): Good
Downstream Slope (Dam # 3): Good
Comments: _____

Rocky Pond Dam, Spillway and IntakeDate: April 19/08

Water Level: Full
Weather: Good
Upstream Slope: Good
Crest: Good
Downstream Slope: Good
Intake/Walkway: Good
Gate Operation: Good
Gatehouse: Good
Spillway Concrete: Good
Spillway Channel: Good
Comments: Spillway channel washed out in dam
water.

Rocky Pond Penstock

Date:

April 19/06

Weather:

Good

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments:

very leaky

Form # 762

10/26/99



**ROCKY POND OPERATOR'S
DAM SAFETY INSPECTION CHECKLIST**

Franks Pond Dam # 1

Date:

Water Level:

Weather:

Timber:

Leakage Measurement:

Comments:

Franks Pond Dam # 2

Date:

Water Level:

Weather:

Upstream Slope:

Downstream Slope:

Crest:

Comments:

Franks Pond Dam # 3 & Spillway

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo:

Spillway Riprap:

Spillway Channel:

Comments:

Franks Pond Dam # 4

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Seepage Measurement:

Comments:

Long Pond Dam, Spillway and Control Structure Date:

Water Level: _____
Weather: _____
Upstream Slope/Riprap: _____
Metal Cut-off: _____
Downstream Slope/Riprap (include photo): _____
Spillway Channel/Road culvert: _____
Leakage Measurement (include photo): _____
Control Structure: _____
- Concrete: _____
- Gatehouse: _____
Comments: _____

Rocky Pond Freeboards Dams Date:

Water Level: _____
Weather: _____
Upstream Slope (Dam # 1): _____
Crest (Dam # 1): _____
Downstream Slope (Dam # 1): _____
Upstream Slope (Dam # 2): _____
Crest (Dam # 2): _____
Downstream Slope (Dam # 2): _____
Upstream Slope (Dam # 3): _____
Crest (Dam # 3): _____
Downstream Slope (Dam # 3): _____
Comments: _____

Rocky Pond Dam, Spillway and Intake

Date: *July 17/02*

Water Level: *400.3*
Weather: *OK*
Upstream Slope: *OK*
Crest: *OK*
Downstream Slope: *OK*
Intake/Walkway: *OK*
Gate Operation: *OK*
Gatehouse: *OK*
Spillway Concrete: *OK*
Spillway Channel: *OK*
Comments: _____

Rocky Pond Penstock

Date: July 19/05

Weather:

OK

Alignment:

OK

Bed:

OK

Drainage Ditches:

Woodstaves:

OK

Bands:

Cradles:

OK

Concrete Headwall at Intake:

OK

Comments: Leak being plugged by contractor

Lamanche Canal (Butler's Brook) Spillway # 3

Date:

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Settlement:

Downstream Toe:

Spillway Channel:

Leakage Measurement:

Comments:

X Lamanche Canal Spillway # 4

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

X Lamanche Canal Spillway # 5

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 6

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 7

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Cluneys Downstream Spillway

Date: July 17/86

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Leakage Measurement (include photo):

Comments:

OK
OK
OK
OK
N/A

Lamanche Canal Dyke

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Alder Growth:

Downstream Slope:

Restrictions in Canal:

Leakage Measurements (include photos):

Comments:

Lamanche Canal Spillway # 1

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 2

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comment:

Cluneys Canal DykeDate: July 17/08

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leak Measurement (include photo):

Comments:

OKOKOKOKNA**Cluneys Upstream Spillway**

Date:

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap:

Abutments:

Spillway Channel:

Seepage Measurement (include photo):

Comments:

Cluneys Control StructureDate: July 17/08

Water Level:

Weather:

Gate Opening:

Gate Operation:

Concrete:

Gabions:

Comments: Timber broken on lower part of gate.GoodFullOKOKOK**Cluneys Weir**Date: July 17/08

Water Level:

Weather:

Timber Facing:

Cribbing/Ballast:

OKNAOKComments: OK

Franks Pond Canal Dyke

Date: _____

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Leakage Measurement (include photo): _____

Comments: _____

Franks Pond Canal Spillway

Date: _____

Water Level: _____

Weather: _____

Timber Decking: _____

Cribbing/Ballast: _____

Spillway Channel: _____

Comments: _____

Cape Pond Dam, Spillway and Outlet

Date: July 17/00

Water Level: 583.2

Weather: OK

Upstream Timber Decking: NEW DAM

Spillway Timber Decking Crest: OK

Cribbing/Ballast: NA

Gate Opening: 39"

Gate Operation: OK

Operating Gate & Concrete: OK

Non-operating Stoplogs and Concrete: NA

Leak Measurement: NA

Comments: rails need painting.

High Speed Canal Spillway

Date: July 17/00

Water Level: _____

Weather: _____

Upstream Slope/Riprap: _____

Metal Cutoff: _____

Downstream Slope/Riprap (include photo): _____

Abutments: _____

Spillway Channel: _____

Leak Measurement (include photo): _____

Comments: woods covered.

— Franks Pond Dam # 5 & Spillway

Date:

Water Level:

Weather:

Upstream Slope/Riprap

Timber/Metal Cutoff:

Downstream Slope/Riprap (include photo):

Spillway Channel:

Comments:

— Franks Pond Dam # 6

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments:

— Franks Pond Dam # 7

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments:

— Franks Pond Storage Dam & Outlet

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Gate Opening:

Gate Operation:

Outlet:

Comments:

**ROCKY POND OPERATOR'S
DAM SAFETY INSPECTION CHECKLIST**

Franks Pond Dam # 1

Date:

Water Level:

Weather:

Timber:

Leakage Measurement:

Comments:

Franks Pond Dam # 2

Date:

Water Level:

Weather:

Upstream Slope:

Downstream Slope:

Crest:

Comments:

Franks Pond Dam # 3 & Spillway

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo:

Spillway Riprap:

Spillway Channel:

Comments:

Franks Pond Dam # 4

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Seepage Measurement:

Comments:

Franks Pond Dam # 5 & Spillway

Date: _____

Water Level: _____

Weather: _____

Upstream Slope/Riprap _____

Timber/Metal Cutoff: _____

Downstream Slope/Riprap (include photo): _____

Spillway Channel: _____

Comments: _____

Franks Pond Dam # 6

Date: _____

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Comments: _____

Franks Pond Dam # 7

Date: _____

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Comments: Not Done
Location unknown**Franks Pond Storage Dam & Outlet**Date: 10-05-06Water Level: 648.1Weather: F/N/DUpstream Slope: GoodCrest: GoodDownstream Slope: GoodGate Opening: GoodGate Operation: GoodOutlet: Good

Comments: _____

Franks Pond Canal Dyke

Date: 10-06-06
Fall
Good
Good
Good
Good
OK

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo):

Comments:

Franks Pond Canal Spillway

Date: 10-06-06

Full

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Comments:

Tree cover

Cape Pond Dam, Spillway and Outlet

Date: 10-05-06

5'29.9

Water Level:

Weather:

Upstream Timber Decking:

Spillway Timber Decking Crest:

Cribbing/Ballast:

Gate Opening:

Gate Operation:

Operating Gate & Concrete:

Non-operating Stoplogs and Concrete:

Leak Measurement:

Comments:

This is a new (no timber)

High Speed Canal Spillway

Date: 10-05-06

Low

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap (include photo):

Abutments:

Spillway Channel:

Leak Measurement (include photo):

Comments:

Tree cover

Cluneys Canal Dyke

Date: 10.09.06

Water Level:

Low

Weather:

Fined

Upstream Slope:

Good

Crest:

Good

Downstream Slope:

Good

Leak Measurement (include photo):

Comments:

Cluneys Upstream Spillway

Date: 10.05-06

Water Level:

Low

Weather:

Fined

Upstream Slope/Riprap:

Good

Metal Cutoff:

Good

Downstream Slope/Riprap:

Good

Abutments:

Good

Spillway Channel:

Good

Seepage Measurement (include photo):

OK

Comments: Tree cover

Cluneys Control Structure

Date: 10.05-06

Water Level:

Low

Weather:

Fined

Gate Opening:

Fall

Gate Operation:

Good

Concrete:

Good

Gabions:

Good

Comments: One piece of plank broken in gate B.

Cluneys Weir

Date: 10-05-06

Water Level:

Low

Weather:

Good

Timber Facing:

Good

Cribbing/Ballast:

Good

Comments:

Cluneys Downstream Spillway

Date: 10-05-06

Water Level:

low

Weather:

FWD

Timber Decking:

good

Cribbing/Ballast:

good

Spillway Channel:

good

Leakage Measurement (include photo):

OK

Comments:

Lamanche Canal Dyke

Date: 10-05-06

Water Level:

low

Weather:

FWD

Upstream Slope:

good

Crest:

good

Alder Growth:

-

Downstream Slope:

good

Restrictions in Canal:

good

Leakage Measurements (include photos):

Comments: free cover

Lamanche Canal Spillway # 1

Date: 10-05-06

Water Level:

low

Weather:

FWD

Concrete:

good

Spillway Channel:

good

Comments: free cover

Lamanche Canal Spillway # 2

Date: 10-05-06

Water Level:

low

Weather:

FWD

Concrete:

good

Spillway Channel:

good

Comment: free cover

Lamanche Canal (Butler's Brook) Spillway # 3

Date: 10.05-06

Water Level:

Low

Weather:

Fine

Timber Decking:

Good

Cribbing/Ballast:

Good

Settlement:

Good

Downstream Toe:

Good

Spillway Channel:

Good

Leakage Measurement:

Comments:

Lamanche Canal Spillway # 4

Date: 10.5.06

Water Level:

Low

Weather:

Fine

Concrete:

Good

Spillway Channel:

Comments:

Tree cover

Lamanche Canal Spillway # 5

Date: 10.05.06

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Tree cover

Lamanche Canal Spillway # 6

Date: 10.05.06

Water Level:

Low

Weather:

Fine

Concrete:

Good

Spillway Channel:

Good

Comments:

Tree - cover

Lamanche Canal Spillway # 7

Date: 10.05-06

Water Level:

Low

Weather:

Fine

Concrete:

Good

Spillway Channel:

Good

Comments:

Tree cover

Long Pond Dam, Spillway and Control Structure

Date:

10-04-06

Water Level:

399.6

Weather:

FINE

Upstream Slope/Riprap:

good

Metal Cut-off:

good

Downstream Slope/Riprap (include photo):

good

Spillway Channel/Road culvert:

good

Leakage Measurement (include photo):

NA

Control Structure:

NA

- Concrete:

NA

- Gatehouse:

NA

Comments:

Tree on downstream slope

Rocky Pond Freeboards Dams

Date:

10-04-06

Water Level:

399.6

Weather:

good

Upstream Slope (Dam # 1):

good

Crest (Dam # 1):

good

Downstream Slope (Dam # 1):

good

Upstream Slope (Dam # 2):

good

Crest (Dam # 2):

good

Downstream Slope (Dam # 2):

good

Upstream Slope (Dam # 3):

good

Crest (Dam # 3):

good

Downstream Slope (Dam # 3):

good

Comments:

Rocky Pond Dam, Spillway and Intake

Date:

10-04-06

Water Level:

399.6

Weather:

good

Upstream Slope:

good

Crest:

good

Downstream Slope:

good

Intake/Walkway:

good

Gate Operation:

good

Gatehouse:

good

Spillway Concrete:

good

Spillway Channel:

good

Comments:

Rocky Pond Penstock

Date: 10.04.06

Weather:

FIN O

Alignment:

Good

Bed:

Good

Drainage Ditches:

Good

Woodstaves:

Good

Bands:

Good

Cradles:

Good

Concrete Headwall at Intake:

Good

Comments: Down By Plant Drains Blocked
Some Leaks in Pipe Line

**ROCKY POND OPERATOR'S
DAM SAFETY INSPECTION CHECKLIST**

Franks Pond Dam # 1

Date: Jan 23-07

Water Level:
Weather:
Timber:
Leakage Measurement:
Comments:

649.6
FIND
—
—

Franks Pond Dam # 2

Date: Jan 23-07

Water Level:
Weather:
Upstream Slope:
Downstream Slope:
Crest:
Comments:

649.6
FIND
—
—

Franks Pond Dam # 3 & Spillway

Date: Jan 23-07

Water Level:
Weather:
Upstream Slope:
Crest:
Downstream Slope:
Leakage Measurement (include photo):
Spillway Riprap:
Spillway Channel:
Comments:

649.6
FIND
—
—
—
—
—
—

Franks Pond Dam # 4

Date: Jan 23-07

Water Level:
Weather:
Upstream Slope:
Crest:
Downstream Slope:
Seepage Measurement:
Comments:

649.6
FIND
—
—
—
—

Franks Pond Dam # 5 & Spillway

Date: Jan 23-07

Water Level:

649.6

Weather:

FIND

Upstream Slope/Riprap

Timber/Metal Cutoff:

Downstream Slope/Riprap (include photo):

Spillway Channel:

Comments:

Franks Pond Dam # 6

Date: Jan 23-07

Water Level:

649.6

Weather:

FIND

Upstream Slope:

Crest:

Downstream Slope:

Comments:

Franks Pond Dam # 7

Date: Jan 23-07

Water Level:

649.6

Weather:

FIND

Upstream Slope:

Crest:

Downstream Slope:

Comments:

Franks Pond Storage Dam & Outlet

Date: Jan 23-07

Water Level:

649.6

Weather:

FIND

Upstream Slope:

Good

Crest:

Good

Downstream Slope:

Good

Gate Opening:

16"

Gate Operation:

Good

Outlet:

Good

Comments:

Franks Pond Canal Dyke

Date: Jan 23-07

Water Level:

Full

Weather:

FIND

Upstream Slope:

Good

Crest:

Good

Downstream Slope:

Good

Leakage Measurement (include photo):

Good

Comments:

Franks Pond Canal Spillway

Date: Jan 23-07

Water Level:

Full

Weather:

FIND

Timber Decking:

Good

Cribbing/Ballast:

Good

Spillway Channel:

Good

Comments:

Cape Pond Dam, Spillway and Outlet

Date: Jan 22-07

Water Level:

584.1

Weather:

FIND

Upstream Timber Decking:

NA

Spillway Timber Decking Crest:

Good

Cribbing/Ballast:

Good

Gate Opening:

25'

Gate Operation:

Good

Operating Gate & Concrete:

Good

Non-operating Stoplogs and Concrete:

NA

Leak Measurement:

NA

Comments:

High Speed Canal Spillway

Date: Jan 22-07

Water Level:

Full

Weather:

FIND

Upstream Slope/Riprap:

Good

Metal Cutoff:

Good

Downstream Slope/Riprap (include photo):

NA

Abutments:

Good

Spillway Channel:

Good

Leak Measurement (include photo):

NA

Comments:

High Speed Canal has tree on N

60. 55174

Cluneys Canal Dyke

Date: Jan 22-07

Water Level:

Full

Weather:

FIND

Upstream Slope:

Good

Crest:

Good

Downstream Slope:

Good

Leak Measurement (include photo):

NA

Comments: One Tree still in Cluneys Canal

Cluneys Upstream Spillway

Date: Jan 22-07

Water Level:

Full

Weather:

FIND

Upstream Slope/Riprap:

Good

Metal Cutoff:

Good

Downstream Slope/Riprap:

Good

Abutments:

Good

Spillway Channel:

Good

Seepage Measurement (include photo):

NA

Comments:

Cluneys Control Structure

Date: Jan 22-07

Water Level:

Full

Weather:

FIND

Gate Opening:

Full

Gate Operation:

Good

Concrete:

Good

Gabions:

Good

Comments: Gate House needs a new lock

Cluneys Weir

Date: Jan 22-07

Water Level:

Full

Weather:

FIND

Timber Facing:

Good

Cribbing/Ballast:

Good

Comments:

Cluneys Downstream Spillway

Date: Jan 22-07

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Leakage Measurement (include photo):

Comments:

Full

FND

Good

Good

Good

NA

Lamanche Canal Dyke

Date: Jan 22-07

Water Level:

Weather:

Upstream Slope:

Crest:

Alder Growth:

Downstream Slope:

Restrictions in Canal:

Leakage Measurements (include photos):

Comments:

Full

FND

Good

Good

YES

Good

Good

Lamanche Canal Spillway # 1

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Tree
Cover

WO. 58181

Lamanche Canal Spillway # 2

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comment:

Tree
Cover

WO. 58182

Lamanche Canal (Butler's Brook) Spillway # 3

Date:

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Settlement:

Downstream Toe:

Spillway Channel:

Leakage Measurement:

Comments:

Lamanche Canal Spillway # 4

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

6.12.83

*Tree
Cover*

Lamanche Canal Spillway # 5

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 6

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 7

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Long Pond Dam, Spillway and Control Structure Date: _____

Water Level: _____

Weather: _____

Upstream Slope/Riprap: _____

Metal Cut-off: _____

Downstream Slope/Riprap (include photo): _____

Spillway Channel/Road culvert: _____

Leakage Measurement (include photo): _____

Control Structure: _____

- Concrete: _____

- Gatehouse: _____

Comments: no longer there

NA

Rocky Pond Freeboards Dams

Date: Jan 22-07

Water Level: _____

Weather: _____

Upstream Slope (Dam # 1): _____

Crest (Dam # 1): _____

Downstream Slope (Dam # 1): _____

Upstream Slope (Dam # 2): _____

Crest (Dam # 2): _____

Downstream Slope (Dam # 2): _____

Upstream Slope (Dam # 3): _____

Crest (Dam # 3): _____

Downstream Slope (Dam # 3): _____

Comments: _____

Fall
FIND
Good
Good
Good
Good
Good
Good
Good
Good
Good

Rocky Pond Dam, Spillway and Intake

Date: Jan 22-07

Water Level: _____

Weather: _____

Upstream Slope: _____

Crest: _____

Downstream Slope: _____

Intake/Walkway: _____

Gate Operation: _____

Gatehouse: _____

Spillway Concrete: _____

Spillway Channel: _____

Comments: _____

400.0
FIND
Good
Good
Good
Good
Good
Good
Good
Good

Rocky Pond Penstock

Date: JAN 22 - 07

Weather:

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments:

FIN D

Penstock is very leaky

Rocky Pond

Long Pond Dam, Spillway and Control Structure

Date: 08-17-07

Water Level:

399.3

Weather:

Fine

Upstream Slope/Riprap:

Good

Metal Cut-off:

Good

Downstream Slope/Riprap (include photo):

Good

Spillway Channel/Road culvert:

Good

Leakage Measurement (include photo):

Control Structure:

NA

- Concrete:

NA

- Gatehouse:

Comments:

Rocky Pond Freeboards Dams

Date: 08-17-07

Water Level:

399.3

Weather:

Good

Upstream Slope (Dam # 1):

Good

Crest (Dam # 1):

Good

Downstream Slope (Dam # 1):

Good

Upstream Slope (Dam # 2):

Good

Crest (Dam # 2):

Good

Downstream Slope (Dam # 2):

Good

Upstream Slope (Dam # 3):

Good

Crest (Dam # 3):

Good

Downstream Slope (Dam # 3):

Good

Comments:

Rocky Pond Dam, Spillway and Intake

Date: 08-17-07

Water Level:

399.3

Weather:

Fine

Upstream Slope:

Good

Crest:

Good

Downstream Slope:

Good

Intake/Walkway:

Good

Gate Operation:

Good

Gatehouse:

Good

Spillway Concrete:

Good

Spillway Channel:

Good

Comments:

Franks Pond Canal Dyke

Date: 08-15-07

Water Level: 648.4
Weather: Good
Upstream Slope: Good
Crest: Good
Downstream Slope: Good
Leakage Measurement (Include photo):
Comments:

Franks Pond Canal Spillway

Date: 08-15-07

Water Level: 648.4
Weather: Good
Timber Decking: Good
Cribbing/Ballast: Good
Spillway Channel: Good
Comments:

Cape Pond Dam, Spillway and Outlet

Date: 08-14-07

Water Level: 590.5
Weather: Good
Upstream Timber Decking: NA
Spillway Timber Decking Crest: NA
Cribbing/Ballast: Good
Gate Opening: Good
Gate Operation: Good
Operating Gate & Concrete: Good
Non-operating Stoplogs and Concrete: Good
Leak Measurement: NA
Comments:

High Speed Canal Spillway

Date: 08-14-07

Water Level: Full
Weather: Good
Upstream Slope/Riprap: Good
Metal Cutoff: Good
Downstream Slope/Riprap (include photo): Good
Abutments: Good
Spillway Channel: Good
Leak Measurement (include photo): NA
Comments:

See Photo Cover

Form # 762

10/26/99

ROCKY POND OPERATOR'S DAM SAFETY INSPECTION CHECKLIST

Franks Pond Dam # 1

Date: Oct 2/07

Water Level:

Weather:

Timber:

Leakage Measurement:

Comments:

646.9
clear
OK
OK

Franks Pond Dam # 2

Date: —

Water Level:

Weather:

Upstream Slope:

Downstream Slope:

Crest:

Comments:

—
—
good
"
"

Franks Pond Dam # 3 & Spillway

Date: —

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo:

Spillway Riprap:

Spillway Channel:

Comments:

—
—
good
"
no change
OK
minor debris

Franks Pond Dam # 4

Date: —

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Seepage Measurement:

Comments:

—
—
good
"
"
OK

Franks Pond Dam # 5 & Spillway

Date: Oct 2 / 07

Water Level:

646.9

Weather:

Upstream Slope/Riprap

good

Timber/Metal Cutoff:

Downstream Slope/Riprap (include photo):

Spillway Channel:

good

Comments:

Franks Pond Dam # 6

Date:

Water Level:

Weather:

Upstream Slope:

good

Crest:

Downstream Slope:

Comments:

Franks Pond Dam # 7

Date:

Water Level:

Weather:

Upstream Slope:

good

Crest:

Downstream Slope:

good

Comments:

Franks Pond Storage Dam & Outlet

Date:

Oct 2 / 07

Water Level:

646.9

Weather:

Upstream Slope:

good

Crest:

Downstream Slope:

16"

Gate Opening:

Gate Operation:

good

Outlet:

OK

Comments:

Franks Pond Canal Dyke

Date: Oct 2 / 07
646.9
Sunny
good
"
OK
OK

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo):

Comments:

Franks Pond Canal SpillwayDate: -

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Comments:

Sunny
OK
needs repairs
minor debris

Cape Pond Dam, Spillway and OutletDate: -

Water Level:

Weather:

Upstream Timber Decking:

Spillway Timber Decking Crest:

Cribbing/Ballast:

Gate Opening:

Gate Operation:

Operating Gate & Concrete:

Non-operating Stoplogs and Concrete:

Leak Measurement:

Comments:

581.9
fine
N/A
"
"
10"
good
"
N/A
good

High Speed Canal SpillwayDate: 11-05-07

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap (include photo):

Abutments:

Spillway Channel:

Leak Measurement (include photo):

Comments: Brush needs to be cut (w)

down to
FIND
Good
Good
Good
Good
Good

Cluneys Canal Dyke

Date: 11-05-0

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leak Measurement (include photo):

Comments:

Down

FIND

Good

Good

Good

Same

Cluneys Upstream Spillway

Date: 11-05-0

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap:

Abutments:

Spillway Channel:

Seepage Measurement (include photo):

Comments:

Down

Find

Good

Good

Good

Good

Good

Good

Cluneys Control Structure

Date: 11-05-0

Water Level:

Weather:

Gate Opening:

Gate Operation:

Concrete:

Gabions:

Comments:

Down

Find

Full

Good

Good

Good

Cluneys Weir

Date: 11-05-0

Water Level:

Weather:

Timber Facing:

Cribbing/Ballast:

Down

Find

Good

Good

Comments:

Cluneys Downstream Spillway

Date: 11-05-07

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Leakage Measurement (include photo):

Comments: Brush being cut on canal

Down

Fine

Good

Good

Good

Lamanche Canal Dyke

Date: 11-05-07

Water Level:

Weather:

Upstream Slope:

Crest:

Alder Growth:

Downstream Slope:

Restrictions in Canal:

Leakage Measurements (include photos):

Comments:

Down

Fine

Lamanche Canal Spillway # 1

Date: 11-05-07

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Down

Fine

Good

Brush being cut on canal

Lamanche Canal Spillway # 2

Date: 11-05-07

Water Level:

Weather:

Concrete:

Spillway Channel:

Comment:

Down

Fine

Lamanche Canal (Butler's Brook) Spillway # 3

Date: 11-05-07
DOWN $\frac{1}{2}$

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Settlement:

Downstream Toe:

Spillway Channel:

Leakage Measurement:

Comments: Brush beginning cut on canal

Lamanche Canal Spillway # 4

Date: 11-05-07
DOWN $\frac{1}{2}$

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 5

Date: 11-05-07
DOWN $\frac{1}{2}$
FIND

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 6

Date: 11-05-07
DOWN
FIND

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 7

Date: 11-05-07
DOWN $\frac{1}{2}$
FIND

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Long Pond Dam, Spillway and Control Structure

Date: 10-04-07

Water Level:

399.7

Weather:

Fair

Upstream Slope/Riprap:

Good

Metal Cut-off:

Good

Downstream Slope/Riprap (include photo):

Good

Spillway Channel/Road culvert:

Good

Leakage Measurement (include photo):

Good

Control Structure:

Good

- Concrete:

N/A

- Gatehouse:

Comments: No longer there

Rocky Pond Freeboards Dams

Date: 10-04-07

Water Level:

399.7

Weather:

Fair

Upstream Slope (Dam # 1):

Good

Crest (Dam # 1):

Good

Downstream Slope (Dam # 1):

Good

Upstream Slope (Dam # 2):

Good

Crest (Dam # 2):

Good

Downstream Slope (Dam # 2):

Good

Upstream Slope (Dam # 3):

Good

Crest (Dam # 3):

Good

Downstream Slope (Dam # 3):

Good

Comments: Some small brush

Rocky Pond Dam, Spillway and Intake

Date: 10-04-07

Water Level:

399.7

Weather:

Fair

Upstream Slope:

Good

Crest:

Good

Downstream Slope:

Good

Intake/Walkway:

Good

Gate Operation:

Good

Gatehouse:

Good

Spillway Concrete:

Good

Spillway Channel:

Good

Comments:

Rocky Pond Penstock

Date: 10-04-07

Weather:

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments:

FINA

Good

Good

Good

Poor

- Poor

Good

Good

(64285)

4 bands below Bridges let go
11 bands let go on upper side of Bridge

Communications cable off the fourth pole
42 from bridge

**ROCKY POND OPERATOR'S
DAM SAFETY INSPECTION CHECKLIST**

Franks Pond Dam # 1

Date:

Water Level:

Weather:

Timber:

Leakage Measurement:

Comments:

Franks Pond Dam # 2

Date:

Water Level:

Weather:

Upstream Slope:

Downstream Slope:

Crest:

Comments:

Franks Pond Dam # 3 & Spillway

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leakage Measurement (include photo):

Spillway Riprap:

Spillway Channel:

Comments:

Franks Pond Dam # 4

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Seepage Measurement:

Comments:

Franks Pond Dam # 5 & Spillway

Date:

Water Level:

Weather:

Upstream Slope/Riprap

Timber/Metal Cutoff:

Downstream Slope/Riprap (include photo):

Spillway Channel:

Comments:

Franks Pond Dam # 6

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments:

Franks Pond Dam # 7

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Comments:

Franks Pond Storage Dam & Outlet

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Gate Opening:

Gate Operation:

Outlet:

Comments:

Franks Pond Canal Dyke

Date: April 28/08

Water Level:
Weather:
Upstream Slope:
Crest:
Downstream Slope:
Leakage Measurement (include photo):
Comments:

Franks Pond Canal Spillway

Date:

Water Level:
Weather:
Timber Decking:
Cribbing/Ballast:
Spillway Channel:
Comments:

Cape Pond Dam, Spillway and Outlet

Date: April 28/08

Water Level:
Weather:
Upstream Timber Decking:
Spillway Timber Decking Crest:
Cribbing/Ballast:
Gate Opening:
Gate Operation:
Operating Gate & Concrete:
Non-operating Stoplogs and Concrete:
Leak Measurement:
Comments:

590.8
rain cloudy
Good
Good 10"
Good
Good
No stoplogs
N/A

High Speed Canal Spillway

Date:

April 28/08

Water Level:
Weather:
Upstream Slope/Riprap:
Metal Cutoff:
Downstream Slope/Riprap (include photo):
Abutments:
Spillway Channel:
Leak Measurement (include photo):
Comments:

Full
rain cloudy
Good
Good
Good
Good
Good
N/A

Trees need's to be cut off spillway

Cluneys Canal DykeDate: April 28/08

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Leak Measurement (include photo):

Comments:

Fallrain, cloudyGoodGoodGoodNACluneys Upstream SpillwayDate: April 28/08

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cutoff:

Downstream Slope/Riprap:

Abutments:

Spillway Channel:

Seepage Measurement (include photo):

Comments:

FallrainGoodGoodGoodGoodGoodNACluneys Control StructureDate: April 28/08

Water Level:

Weather:

Gate Opening:

Gate Operation:

Concrete:

Gabions:

Comments:

Fallrain cloudyGoodGoodGoodGoodGate house needs new doorsCluneys WeirDate: April 28/08

Water Level:

Weather:

Timber Facing:

Cribbing/Ballast:

Fallrain cloudyNAGood

Comments:

Cluneys Downstream Spillway

Date: April 28 / 08

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Spillway Channel:

Leakage Measurement (include photo):

Comments:

Fall

fair cloudy

road: some work

good

good

NA

road repairs

Lamanche Canal Dyke

Date:

Water Level:

Weather:

Upstream Slope:

Crest:

Alder Growth:

Downstream Slope:

Restrictions in Canal:

Leakage Measurements (include photos):

Comments:

Lamanche Canal Spillway # 1

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 2

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comment:

Lamanche Canal (Butler's Brook) Spillway # 3

Date:

Water Level:

Weather:

Timber Decking:

Cribbing/Ballast:

Settlement:

Downstream Toe:

Spillway Channel:

Leakage Measurement:

Comments:

Lamanche Canal Spillway # 4

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 5

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 6

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Lamanche Canal Spillway # 7

Date:

Water Level:

Weather:

Concrete:

Spillway Channel:

Comments:

Long Pond Dam, Spillway and Control StructureDate: April 28/08

Water Level:

Weather:

Upstream Slope/Riprap:

Metal Cut-off:

Downstream Slope/Riprap (include photo):

Spillway Channel/Road culvert:

Leakage Measurement (include photo):

Control Structure:

- Concrete:

- Gatehouse:

Comments:

Full 400.3Rain CloudyGoodGoodGoodGoodNANANARocky Pond Freeboards DamsDate: April 28/08

Water Level:

Weather:

Upstream Slope (Dam # 1):

Crest (Dam # 1):

Downstream Slope (Dam # 1):

Upstream Slope (Dam # 2):

Crest (Dam # 2):

Downstream Slope (Dam # 2):

Upstream Slope (Dam # 3):

Crest (Dam # 3):

Downstream Slope (Dam # 3):

Comments:

400.3Rain, CloudyGoodGoodGoodGoodGoodGoodGoodGoodGoodRocky Pond Dam, Spillway and IntakeDate: April 28/08

Water Level:

Weather:

Upstream Slope:

Crest:

Downstream Slope:

Intake/Walkway:

Gate Operation:

Gatehouse:

Spillway Concrete:

Spillway Channel:

Comments:

400.3Rain, CloudyGoodGoodGoodGoodGoodGoodGoodGood

Rocky Pond Penstock

Date: April 28/08

Weather:

Alignment:

Bed:

Drainage Ditches:

Woodstaves:

Bands:

Cradles:

Concrete Headwall at Intake:

Comments:

rain cloudy

Very Leaky

Good

Draw by Plant in Block

Outage Reports for Rocky Pond Plant

Power Plant Availability Detail Records

ROP: Rocky Pond G1 - Hydro

C 008-08-12

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1010	Switchgear	2003-01-07	2003-01-07	SO 125378 for breaker maintenance
1011	Cooling system	2003-01-08	2003-01-08	cooling water leak repair
1012	Switchgear	2003-01-09	2003-01-09	S/O # 126737 Resume maintenance
1158	Instrumentation / Controls	2003-03-25	2003-03-25	Inspect PMG SO 83573
1159	Generator	2003-03-27	2003-03-27	To inspect brushes 126981
1160	Generator	2003-03-28	2003-03-28	Unit would not synchornize
1211	Generator	2003-04-21	2003-04-21	To isolate unit mechanical isolation
1295	Generator	2003-05-27	2003-05-27	Unit tripped and locked out unit running local load unit tripped when Gou-17L-b was synch.
1336	Building Services	2003-06-21	2003-06-21	Unit tripped and locked out Ambient temperature in building
1378	Turbine	2003-07-08	2003-07-08	Inspect turbine so 127544
1379	Governor	2003-07-10	2003-07-11	to make repairs to governor SO 127557
1380	Governor	2003-07-12	2003-07-13	unit would not synchronize governor trouble
1402	Generator	2003-07-16	2003-07-16	Unit tripped and locked out chigh communtator temp
1403	Governor	2003-07-17	2003-07-17	S/O # 83979 Replace spool and sleeve in relay valve (governor)
1404	Not Applicable	2003-07-18	2003-07-18	Unit tripped and locked out loss of infeed due to lightning
1437	Governor	2003-07-28	2003-08-01	Isolated under S.O.#127620 to investigate governor stroke problems

Power Plant Availability Detail Records

ROP: Rocky Pond G1 - Hydro

L 008-08-12

Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1438	Generator	2003-08-03	2003-08-03	Unit locked out while offline Pit flood
1439	Generator	2003-08-03	2003-08-03	Unit locked out while offline Pit flood
1500	Generator	2003-09-02	2003-09-02	Unit tripped while being taken off line Tripped on brush temperaure (PLC trouble?)
1510	Generator Power Transformer	2003-09-09	2003-10-02	Maintenance on ROP-T1 S/O # 127772;Unit to be meggered S/O # 127862
1575	Building Services	2003-10-17	2003-10-20	Replacing louvers (contractor under Bill Hayes)
1606	Transmission Line	2003-11-01	2003-11-01	MOB-20L-B tripped and then closed by SCC.Lockout reset after 51/N T was activated.
1672	Instrumentation / Controls	2003-11-28	2003-11-29	unit called for shut down ROP-G-B open 3 min later a lockout alarm (PLC trouble)lockout on PLC
1723	Not Applicable	2003-12-15	2003-12-18	so 128246 for main on ROP-T1-A
1738	Instrumentation / Controls	2003-12-21	2003-12-21	mvar -1.9 couldn't adjust from scc unit tripped on overcurrent
1783	Generator	2004-01-15	2004-01-15	to repair speed switch and slip ring brush gear maintenance.
1805	Instrumentation / Controls	2004-01-30	2004-01-30	Lockout fuse replaced in low/water trip
1806	Instrumentation / Controls	2004-01-30	2004-01-30	lockout low water/trip reset
1807	Instrumentation / Controls	2004-01-30	2004-01-30	lockout. Tripped on trash rack blocked. neutral voltage problems on dist. line.
1809	Instrumentation / Controls	2004-02-01	2004-02-01	Unit tripped and locked out
1810	Instrumentation / Controls	2004-02-01	2004-02-01	Fault trip on low water
1813	Instrumentation / Controls	2004-02-02	2004-02-02	unit tripped and locked out on low water.
1818	Transmission Line	2004-02-03	2004-02-03	Unit offline but locked out when MOB-20L-B was opened to bypass CAB-01-R.
1819	Instrumentation / Controls	2004-02-04	2004-02-04	Unit tripped and locked out on low water.Billy Hayes reports problem with high voltage in the forebay line.Problem completed by Pat O'keefe.Also Vince Carey removed screen from basket strainers, checked integrity of pipes and pressure washed pit under S.O.
1852	Transmission Line	2004-02-19	2004-02-19	MOB-11L-B tripped
1853	Transmission Line	2004-02-20	2004-02-20	MOB-11L-B tripped
1855	Forebay Circuit	2004-02-20	2004-02-20	Unit tripped and locked out. Problem with forebay control circuit,

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Record	Asset Name	Out Of Service Date	Return To Service Date	Description
1861	Instrumentation / Controls	2004-02-22	2004-02-22	Unit locked out. Unit was shut at the time.
1903	Generator	2004-03-17	2004-03-19	Isolate ROP-G from system to check slip & commutator rings & brush holder replacement. S/o 128689
1908	Bearings	2004-03-21	2004-03-22	Unit tripped and locked out while mechanical maintenanceman was draining oil from thrust bearing.
1949	Forebay Circuit	2004-04-06	2004-04-06	ROP-G tripped & locked out. Lightning reported in area.
1958	Generator	2004-04-12	2004-04-12	Unit tripped and locked out. Unit tripped on low forebay water level.
2037	Transmission Line	2004-05-15	2004-05-16	20L tripped
2088	Governor	2004-06-15	2004-06-15	so 85296 to make repairs to governor. Could remotely place the unit on full load.
2132	Wicket Gates	2004-07-19	2004-07-19	so 129260 for maintenance on wicket gates and main valve
2138	Wicket Gates	2004-07-21	2004-07-28	S.O.# 129291 in effect to mechanically isolate ROP-G from the system to check for wear in governor and gate links bushing.
2155	Main Inlet Valve	2004-07-29	2004-07-30	ROP-G: S.O.# 85430 completed to check pins on governor arms.
2162	Generator	2004-08-02	2004-08-02	unit shut & lockout upper slip rings & PLC
2193	Generator	2004-08-23	2004-08-23	S.O.#129430 completed to megger ROP-G.
2296	Cooling system	2004-10-17	2004-10-17	ROP-G: Lockout alarm activated during startup of unit. Billy Hayes notified. Unit tripped on vibration. Cooling water flow adjusted. Billy cleaned the strainer and the vibration returned to 12 as per the regular reading. John Curran
2298	Governor	2004-10-18	2004-10-18	lockout alarm activated during startup of unit.
2299	Governor	2004-10-19	2004-10-19	lockout alarm activated during startup of unit.
2307	Governor	2004-10-21	2004-10-21	unit tripped on over speed
2324	Instrumentation / Controls	2004-10-27	2004-10-27	SO # 129806 in effect to check PT's & CT'S for nexus metering
2325	Generator	2004-10-29	2004-10-29	unit shut to replace trip coil for the field breaker
2432	Transmission Line	2004-12-28	2004-12-28	mob-20I-b tripped
2451	Transmission Line	2004-12-29	2004-12-29	unit tripped due to problem on 20L
2477	Switchgear	2004-12-29	2004-12-31	Fault in the Switch Gear caused by lightning
2502	Switchgear	2005-01-01	2005-01-20	Fault in the switchgear caused by lightning - not directly system but not a plant failure

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Record	Asset Name	Out Of Service Date	Return To Service Date	Description
2522	Generator	2005-01-25	2005-01-25	shut for testing voltage reg.
2672	Switchgear	2005-04-26	2005-04-26	to install capacitors on ROP switchgear buss
2678	Governor	2005-05-02	2005-05-02	Plant operator Bill Hayes unit trip was probably a governor problem.
				41654 will address this
2680	Switchgear	2005-05-03	2005-05-03	ROP-G: install capacitors on switchgear bus under S/O # 130479.
2681	Generator	2005-05-04	2005-05-04	unit tripped on start up
2685	Cooling system	2005-05-05	2005-05-05	lockout when called for start. Unit tripped on cooling water flow. Solenoids were sticking and are now replaced.
2706	Turbine	2005-05-19	2005-05-19	creep alarm The shut down solenoid leakage adjusted
2742	Not Applicable	2005-06-02	2005-06-02	trip on 20L - 221 faulted
2807	Turbine	2005-07-04	2005-07-15	ROP: to close and secure the intake head gate and have divers stop any leakage was completed under S/O # 130740. ROP: drain Rocky Pond penstock and seal the main inlet valve under S/O 130742.
2819	Switchgear	2005-07-15	2005-07-29	Fire at plant.
2861	Switchgear	2005-07-29	2006-03-11	Major repair and overhaul being done by Contractor forces.
3271	Turbine	2006-03-24	2006-03-24	S.O. # 87500 in effect to tighten bolts on turbine inspection door.
3289	Generator	2006-04-13	2006-04-13	check brush gear
3302	Generator	2006-04-26	2006-04-26	0830 to 1205 ROP: Rocky generator shut to install shaft guards S.) #87581
3318	Not Applicable	2006-05-05	2006-05-05	do measurement on slipping pins
3331	Unknown	2006-05-13	2006-05-13	Unit tripped and locked out. Billy Hayes notified. The cause of the trip will have to be investigated further.
3336	Generator	2006-05-16	2006-05-16	Unit tripped on phase over current differential.
3391	Not Applicable	2006-06-08	2006-06-08	ELECTRICAL ISOLATION OF ROP-G FOR POLARIZATION INDEX TESTING
3418	Transmission Line	2006-06-20	2006-06-21	lightning strike on 20L
3510	Battery/charger system	2006-08-28	2006-08-28	ROP-G-B tripped and locked out. Maintenance man turned off battery charger for monthly check.

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Record	Asset Name	Out Of Service Date	Return To Service Date	Description
3524	Turbine	2006-09-10	2006-09-10	2248 to 2329 ROP-Plt flood alarm activated. John Curran notified. Alarm checked and reset. Alarm to be investigated further on Monday 2300 to 2337 ROP-G1 shut down because of alarm. Alarm to be investigated further on Monday
3534	Compressor	2006-09-17	2006-09-17	unit would not go on line, compressor trouble
3537	Not Applicable	2006-09-17	2006-09-17	CHA-01-B tripped and locked out. CHA-T1-B and CHA-T2-B tripped. ROP-G tripped and locked out. TOP-G locked out while offline. Region notified.
3550	Instrumentation / Controls	2006-09-24	2006-09-24	unit failed to synchronize on start up
3556	Generator	2006-09-27	2006-09-29	TO INSTALL ROP-T1-FD
3644	Governor	2006-12-14	2006-12-14	unit will not synch. from scc..flyball trouble on governor..
3646	Turbine	2006-12-15	2006-12-15	TO INVESTIGATE AND REPAIR TURBINE GLAND PACKING
3706	Main Inlet Valve	2007-01-30	2007-01-30	S.O. # 88314 in effect to inspect pinion gear on MI valve motor.
3721	Turbine	2007-02-08	2007-02-09	TO ISOLATE ROP-G1 SWITCHGEAR AND GENERATOR TO CHECK PROBLEM WITH ROP-PT2 AND INSTALL VIBRATION SENSORS ON TURBINE AND LOWER GUIDE BEARINGS, unit would not synchronize.
3737	Turbine	2007-02-21	2007-02-21	water manage control
3744	Transmission Line	2007-02-19	2007-02-20	CAB-66L-B reclosed and tripped. Outage to FER substation. CAB , TCV , HCP , ROP & MRP locked out.
3753	Generator	2007-02-27	2007-02-27	S.O.#88388 in effect to Replace the ROP-G1-PT2 and set up vibration sensors.
3759	Turbine	2007-03-02	2007-03-02	S/O#88396 in effect to install guards around ROP turbine shaft.
3822	Not Applicable	2007-04-10	2007-04-10	check brakes
3824	Distribution Line	2007-04-11	2007-04-11	unit tripped and locked out, reclose on MOB-02-R
3840	Transmission Line	2007-04-19	2007-04-20	24L (MOB-GOU) tripped on both ends. All shore south hydro plants except MOP lockedout.
3923	Not Applicable	2007-06-07	2007-06-08	ELECTRICAL ISOLATION OF ROP-G FOR POLARIZATION INDEX TESTING.S/O#133911 S.O.# 88632 in effect to check secondary wiring on ROP-PT-2.
3932	Not Applicable	2007-06-09	2007-06-09	52B non lockout trip activated during startup. Aiden Maddox notified.
3949	Generator	2007-06-17	2007-06-17	breaker will not close, replaced PT fuse.
3975	Bearings	2007-07-09	2007-07-09	Unit locked out during startup. Billy Hayes notified. Unit locked out on lower guide bearing vibration.

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Record	Asset Name	Out Of Service Date	Return To Service Date	Description
3982	Bearings	2007-07-12	2007-07-12	1605 to 1646 ROP-G: Unit locked out on startup. Bill Hayes notified. Unit tripped on lower guide vibration.
3987	Not Applicable	2007-07-14	2007-07-14	Reclose on MOB-02-R. ROP-G tripped.
4009	Transmission Line	2007-07-20	2007-07-20	Unit tripped and locked out, plant personnel notified. Lightning in the area.
4013	Bearings	2007-07-25	2007-07-25	lower guide bearing vibration
4027	Instrumentation / Controls	2007-08-01	2007-08-01	0100 to 0131 ROP: Unit locked out, Larry Lundrigan reports unit tripped on "forebay transducer failure".
4030	Bearings	2007-08-01	2007-08-01	l/o on lower guide bearing vib
4056	Transmission Line	2007-08-19	2007-08-19	MOB-20L-B tripped. CAB-G & ROP-G tripped. FAULT ON 22L, as well fuses in forebay line blown.
4062	Turbine	2007-08-26	2007-08-26	locked out due to the P343 protection relay
4073	Forebay Circuit	2007-09-04	2007-09-04	unit tripped and locked out. lightning in area resulted in water level gone.
4096	Transmission Line	2007-09-21	2007-09-21	20L taken off to restore MRP plant to service
4124	Transmission Line	2007-10-04	2007-10-04	unit locked out due to bus lock out at GOU substation.
4141	Forebay Circuit	2007-10-20	2007-10-20	1230 to 2008 ROP: The unit would not start on water management, Bill Hayes notified. There was a fuse gone in the forebay circuit.
4151	Generator	2007-10-26	2007-10-26	RECLOSE ON MOB-02
4152	Instrumentation / Controls	2007-10-27	2007-10-27	tripped on stator temp
4168	Generator Power Transformer	2007-11-05	2007-11-05	fire in mrp sub
4178	Unknown	2007-11-11	2007-11-11	lockout when unit was shutting down. The initial investigation showed no apparent reason. IT will be investigated further if it happens again
4184	Transmission Line	2007-11-16	2007-11-16	unit out of service due to TML relocation on 20L, SO 134712
4190	Governor	2007-11-20	2007-11-20	S.O. # 89069 in effect to change vent valve on governor pump.
4199	Unknown	2007-11-23	2007-11-23	gou-17l-b tripped
4220	Transmission Line	2007-11-28	2007-11-28	GOU-17L-B TRIPPED AND SOUTHERN SHORE PLANTS TRIPPED AND LOCKED OUT.
4258	Generator	2007-12-15	2007-12-15	unit tripped and locked out, reclose on mob-02
4266	Turbine	2007-12-19	2007-12-19	Unit locked out after unit shut down on water management. Billy Hayes notified.

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Record	Asset Name	Out Of Service Date	Return To Service Date	Description
4281	Bearings	2007-12-25	2007-12-26	tripped on lower guide bearing vibration
4283	Bearings	2007-12-26	2007-12-26	LOWER GUIDE BEARING VIBERATION
4284	Bearings	2007-12-27	2007-12-27	ROP-G lockedout on shutdown. Larry Lundrigan reports unit tripped on bearing vibration.
4285	Not Applicable	2007-12-27	2007-12-27	Reclose on MOB-02-R. ROP-G tripped and locked out.
4289	Bearings	2007-12-31	2008-01-02	unit tripped on vibration
4328	Not Applicable	2008-01-17	2008-01-17	1245 to 1357 ROP-G: electrical isolation of ROP-G for polarization index testing was completed under S/O # 134952
4384	Forebay Circuit	2008-02-13	2008-02-13	Unit locked out on start up Due to the Lost of Forebay Water Level Signal
4428	Forebay Circuit	2008-03-07	2008-03-07	forebay line fuse blown
4429	Forebay Circuit	2008-03-07	2008-03-07	ROP: Unit ROP-G tripped and locked out. Forebay line fuse was blown.
4430	Forebay Circuit	2008-03-07	2008-03-07	ROP: Unit ROP-G tripped and locked out. Forebay line fuse was blown. Unit tripped on low water due the problem with the forebay line. (Incorrect forebay reading)
4431	Penstock	2008-03-08	2008-03-09	Unit taken off, and headgate closed due to leak in penstock
4452	Generator	2008-03-19	2008-03-19	unit taken off line to preform power factor testing as per SO 135151
4513	Generator	2008-04-24	2008-04-24	VIBRATION TESTING OF UNIT
4647	Generator	2008-06-24	2008-06-24	ROP-G tripped and locked out on shutdown due to reverse power flow
4658	Transmission Line	2008-06-28	2008-06-28	fault at big sub
4702	Switchgear	2008-07-16	2008-07-16	T1 out of serv. to change tap S/o 135634
4743	Instrumentation / Controls	2008-08-11	2008-08-11	unit lockout during shut down