

1 Q. Re: Burnt Spillway Refurbishment Volume II (Tab 6)
2 Reference: page A-24, section 4.3, please provide the four work orders issued since
3 2005 that dealt with the gate failing to operate.

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6 A. The four work orders referenced in section 4.3 of the Hatch report "Newfoundland
7 and Labrador Hydro Hydraulic Structure Life Expectancy Study, May 22, 2009"
8 follow. Problems associated with the operation of the spillway gates were
9 corrected under these four work orders.

10
11 **1. Work Order 496023**

12 To correct the gate closing problem with the #1 spillway gate at Burnt Spillway
13 described in work order 496023 (see below), oil was added to the dash pot of the
14 gate hoisting system.

[48011] - Equipment Work Order Entry

Functions Tools Help

Description...	BUDRES SPILLWAY GATE#1	Parent W.O. No	496023
Status Comment		W.O. Number..	496023 WO
Type.....	1 Corrective Maint.	Charge to BU.	1293
Asset Number..	58441	Cost Code	1
Std Parts/Inst.		Branch (W/H).	1824
Priority....	2 Urgent (High Priority)	GATE - SPILLWAY #1-BURNT	
Status.....	90 Closed Gone to Histor	Cost Group	
Originator...	10686 Hicks, Darrin	Est Hours..	
Section....	17091 BDE Elect/Tech Dept	Est Amount..	
Planner.....	10338 Fudge, Hubert	W.O. Date...	05/11/12
Customer....		Plan Start Dat	05/11/12
Employee ..		Act Start Date	05/11/14
Planning Center	BDE Bay d' Espoir	Planned Comp.	
Phase Code...		Completed...	06/01/10
WO Plant Condi		Ship to..	
Service Address		Subdqr Inac.	I
Remarks.....	BUDRES SPILLWAY GATE#1 - KEEPS CUTTING OUT DURING OPER. CUTS OUT WHILE RAISING. HAD TO OPEN & CLOSE THE GATE BREAKER TO GET THE GATE TO CLOSE. Gate 1 was closed based on this problem, A. Marshall had to		

F15=Rcd Types F6=Parts Lst F8=Labour Inst F10=Cat Codes F21=Print F24=More MW

To correct the problem with the #1 spillway gate described in work order 506288 (see below), the screws of the gate hoisting system were greased.

3. Work Order 506292

Problems corrected under work order 506292 (see below) were related to ice found in the gear box and issues with incorrect grease on the screws of the gate hoisting system on the #2 spillway gate.

[48011] - Equipment Work Order Entry

Functions Tools Help

Description...	BDE BURNT DAM GATE NO 2.	Parent W.O. No	506292
Status Comment...		W.O. Number..	506292 WO
Type	1 Corrective Maint.	Charge to BU.	1293
Asset Number..	58444	Cost Code	1
Std Parts/Inst.		Branch (W/H).	1824
Priority	1 Emergency	GATE - SPILLWAY #2-BURNT	
Status	90 Closed Gone to Histor	Cost Group	
Originator....	10554 King, Redmond	Est Hours..	
Section	17090 BDE Mechanical Dept	Est Amount..	5136.23
Planner.....	10344 Fudge, Rodney K.	W.O. Date...	06/01/17
Customer....		Plan Start Dat	06/01/17
Employee ..		Act Start Date	06/01/17
Planning Center	BDE Bay d' Espoir	Planned Comp.	
Phase Code...		Completed...	06/01/31
WO Plant Condi		Ship to ..	14145
Service Address.		Subldgr Inac.	I
Remarks.....	BDE BURNT DAM GATE NO 2. GATE NO 2 STOPPED TRAVELLING AT 2.25 M. WOULD NOT TRAVELL UP OR DOWN, TRIED MOVING WITH EMERGENCY DRIVE, WOULD NOT MOVE. CREW WILL BE DISPATCHED TO AREA ON JAN 17TH/06.		
		Meter Position	

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4. Work Order 711309

A problem with the gate limit on the #1 spillway gate hoisting system was corrected under work order 711309 (see below).

The screenshot shows a software window titled "[48011] - Equipment Work Order Entry". It contains a form with various fields for entering work order information. The fields are organized into two main columns. The left column includes fields for Description, Status Comment, Type, Asset Number, Std Parts/Inst., Priority, Status, Originator, Section, Planner, Customer, Employee, Planning Center, Phase Code, WO Plant Condi, Service Address, and Remarks. The right column includes fields for Parent W.O. No, W.O. Number, Charge to BU, Cost Code, Branch (W/H), GATE - SPILLWAY #1-BURNT, Cost Group, Est. Hours, Est. Amount, W.O. Date, Plan Start Date, Act Start Date, Planned Comp., Completed, Ship to, Subldar Inac, and Meter Position. The Remarks field contains the following text: "BURNT GATE#1 CHECK OPERATION", "CREW CLOSED GATE ON APRIL 14- CLOSED O.K. CREW TRIED TO OPEN", "GATE AND IT WOULD NOT OPEN. MOTOR WAS DRAWING 80AMPS. CHECK", "BRAKE AND OPERATE GATE." The bottom of the window features a toolbar with icons for saving, deleting, and other actions, along with a status bar showing "F15=Rcd Types F6=Parts Lst F8=Labour Inst F10=Cat Codes F21=Print F24=More" and the initials "MW".

Description...	BURNT GATE#1 CHECK OPERATION	Parent W.O. No	711309
Status Comment...		W.O. Number..	711309 WO
Type	1 Corrective Maint.	Charge to BU..	1293
Asset Number..	58441	Cost Code	1
Std Parts/Inst.		Branch (W/H)..	1824
Priority	1 Emergency	GATE - SPILLWAY #1-BURNT	
Status	90 Closed Gone to Histor	Cost Group	
Originator...	10448 Hicks, David	Est. Hours..	
Section	17091 BDE Elect/Tech Dept	Est. Amount..	
Planner.....		W.O. Date...	09/04/15
Customer....		Plan Start Date	09/04/15
Employee ..		Act Start Date	09/04/14
Planning Center	BDE Bay d' Espoir	Planned Comp.	
Phase Code...		Completed...	09/04/17
WO Plant Condi		Ship to..	
Service Address.		Subldar Inac.	I
Remarks.....	BURNT GATE#1 CHECK OPERATION CREW CLOSED GATE ON APRIL 14- CLOSED O.K. CREW TRIED TO OPEN GATE AND IT WOULD NOT OPEN. MOTOR WAS DRAWING 80AMPS. CHECK BRAKE AND OPERATE GATE.		

Upgrades to the gates at Burnt Spillway will ensure safe and reliable flood management for the Victoria Lake and Burnt Pond Reservoirs. Fisheries compensation flow into the White Bear River will also be ensured. Hydro's ability to continue to manage flood waters and meet its fisheries compensation commitments is contingent upon the completion of the Burnt Spillway Refurbishment project.