

1 **In reference to Schedule “B”, page 64 of 82 – Substation Telephone Circuit Protection,**
2 **project cost \$141,000:**

3
4 **Q. Please provide specific examples of instances where persons suffered “electric shock**
5 **caused by excessive ground potential rise”. Please provide specific occurrences,**
6 **including dates, times and descriptions of the instances.**
7

8 A. The Power Outage/Incident Advisory which is Attachment A details the only recent
9 Newfoundland Power incident involving bodily injury. This incident occurred on
10 January 23, 2002 when an Aliant Communications’ Special Services Technician was
11 injured as a result of voltage present on the entrance cable to Topsail Hydro Plant. The
12 Company is also aware of several similar incidents at other Canadian utilities.
13

14 There have been other recent incidents at Horsechops and Rocky Pond Hydro Plants that
15 resulted in equipment damages only; no personnel were injured.

PUBLIC UTILITIES BOARD
POWER OUTAGE / INCIDENT ADVISORY

CA-48 (b)
Attachment A

PUB Number: 2002-NP-02 FINAL

Part A: General Information

Company: Newfoundland Power	Date: February 1, 2002
Reported By: Gerard Hayes	Time Of Report: 4:20 pm
Title: Senior Counsel	
Contact Information: Phone - (709) 737-5609	Email - <u>ghayes@newfoundlandpower.com</u>

Part B: Initial Advisory - Details of Incident

Type of Incident: <input type="checkbox"/> Power Outage <input type="checkbox"/> Serious Injury to Employee	
<input type="checkbox"/> Damage to Property <input checked="" type="checkbox"/> Serious Injury to Member of Public	
Location of Incident: Topsail Hydro Plant	
Date of Incident: Jan. 23, 2002	Time of Incident: 2:30 pm
# of Customers Affected: none	
Duration of Power Outage: No power interruption experienced.	
Is power outage still occurring ? <input type="checkbox"/> No <input type="checkbox"/> Yes	
If yes, give estimation when power is expected to be restored:	
Details: (known at time of incident)	
<p>An Aliant Telecom technician was working on a communications cable at Newfoundland Power's Topsail hydro plant when he received a minor electric shock upon contacting the metal entrance door to the plant. The Company's investigation revealed that the neutral wire from the Company's distribution system was not adequately bonded to the hydro plant site grounding system due to what appears to be a broken underground connection. The lack of adequate bonding resulted in a voltage imbalance between the distribution system and the plant grounding system. This situation has been corrected by the installation of a new connection to the grounding system, which is now functioning properly.</p> <p>The NewTel employee did not require medical aid and the incident was not reported to Newfoundland Power until January 29th.</p>	
Problem Attributed To: <input type="checkbox"/> Transmission <input checked="" type="checkbox"/> Other Equipment Failure	
<i>Please √ Applicable</i> <input type="checkbox"/> Distribution <input type="checkbox"/> Weather Related	
<input type="checkbox"/> Generation <input type="checkbox"/> Workmanship	
<input type="checkbox"/> Other, please provide details:	

Part C: Receipt Confirmation

Acknowledge Receipt	
Name: Cheryl Blundon	Date: 2002-02-04

Part D - Further Details or Information, Next Day Follow-Up NA

Part E: Receipt Confirmation of Additional Information NA

Part F: Comments / Responses From the Public Utilities Board

The Board has reviewed the information filed with respect to this incident. The status is as follows:

x Information filed is acknowledged and filed for information purposes. No further action is required.	
Cheryl Blundon Board Secretary	March 8, 2002 Date