ONTARIO POWER GENERATION

Records File Information:
FILE ELECTRONICALLY WITH
SCR

Internal Use Only

N-FORM-10134-R003*

Barrier Analysis Worksheet

Adverse Condition	Barrier(s) that should have precluded Condition	How the Barrier Failed	Why(s) the Barrier Failed
Unaware of site practice to keep Station Ground and Facilities Ground seperate.	Adminstrative Barrier: Design Manual	Station Grounding Design Manual SCI 57600 (NK38-DM-57600) does not identify configuration/interface with Facilities Ground SCI 57685.	WHY: The documented grounding philosophy for the site, specifically the interface between main station ground (SCI 57600) and facilities ground (SCI 57685), is not sufficient to develop grounding procedures for all grounding scenarios on site.
Vendor concluded tieing both ground systems togeather was safer than not tieing them togeather.	Administrative Barrier: Stakeholder Management/Integration	Limited perspective - vendor only looking at scope of their project and not concened with upsteam impacts	WHY: Vendor is under contract to perform limited scope of work and naturally driven to solve single problem (bounded rationally).
Undocumented OPEX based on OPEX Search	Administrative Barrier: Policies and Practicies	SCR process not utilized as per best practice	WHY: During systematic approach to technical problem solving review it has been identified that there is OPEX of similar grounding configuration/interface issues on the MSB, ASB, and D2O Storage Projects. OPEX from these projects was resolved as part of the design but the design team failed to document it in the SCR database as is best practice.

*Associated with N-STD-RA-0008, Incident Investigation