

1   **Re Page B-166:**

2   Q.    Provide particulars, including any existing reports and safety incident  
3        investigations, on the four major incidents and 25 moderate incidents at  
4        Holyrood since 1998.

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7   A.    The details of the four major incidents and 25 moderate incidents are as  
8        follows:

| Major Accidents/Incidents |                |           |  |            |
|---------------------------|----------------|-----------|--|------------|
|                           | Potential Loss | Risk To   | Description  | Date       |
| 1                         | Major          | Equipment | Holyrood - UNIT #1 BOILER - Bent body drainline. Persons involved in removal and re-installation of drains were not fully aware of the demand on these drains during safety valve operations. Factors associated with operating safety valves without the presence of brackets to prevent unscrewing of same were not known or fully considered.   | Aug-99     |
| 2                         | Major          | People    | Holyrood Terminal Generating Station - Potential Explosion Failure to secure - The ignitors had not been removed from the boiler. There had been diesel oil locked up between the point of isolation at first floor and ignitor valves at boiler front in the second, third and fourth floors.<br>Inadequate work Standards - Inadequate work planning. There has been no mention of removal of ignitors from the boiler as a pre- shut down job prior to annual outage of boiler. | May-03     |
| 3                         | Major          | People    | Holyrood Terminal Generating Station - Violation of Work Permit process.<br>Improper Placement Improper placement - section 9: Incorrect isolation installed other than requested on the cover work permit.<br>Behavioral Factors - Several work permits waiting to be installed.  | Sept. 2006 |
| 4                         | Major          | People    | Holyrood U2 Polisher Acid Day Tank - Acid Burn to Hand. Employee was removing a pipe plug from the discharge line of the acid day tank pump to install a pressure gauge. The plug suddenly broke clear allowing acid under pressure to jet out, striking the employee on the faceshield and chest area.  | Apr-07     |

Moderate Accidents/Incidents

|    | Potential Loss | Risk To        | Description  | Date     |
|----|----------------|----------------|--|----------|
| 1  | Moderate       | People         | Holyrood - #3 pumphouse. Permit violation - Potential injury.  | Apr-98   |
| 2  | Moderate       | People         | Holyrood Unit #3 Inst. air isolation valve. - Cuts/bruised/eye injury.   | May-98   |
| 3  | Moderate       | People         | Holyrood #6 - heater bled system bulk valve, #3 unit - Potential personal injury.  | Jan-98   |
| 4  | Moderate       | People         | Holyrood Unit #1 6A 6B transfer pumps - Potential personal injury.   | Mar-99   |
| 5  | Moderate       | People         | Holyrood - Potential Injury  | Jul-99   |
| 6  | Moderate       | People         | Holyrood - Code violation by contractor.   | May-00   |
| 7  | Moderate       | People         | Holyrood- Potential Injury / Permit Violation.   | Aug-00   |
| 8  | Moderate       | Equipment      | Holyrood - Extended Outage   | Aug-00   |
| 9  | Moderate       | People         | Holyrood Unit #2 - Extraction Pump north - Work Protection Code Violation.   | Aug-01   |
| 10 | Moderate       | People         | Holyrood - Injured Left Wrist.   | Sep-01   |
| 11 | Moderate       | Equipment      | Holyrood - Man-hours - Incorrect Valve removed.  | Oct-01   |
| 12 | Moderate       | People         | Holyrood - Potential Personal Injury.  | Sep-02   |
| 13 | Moderate       | People         | Holyrood - Potential Physical Injury   | Nov-02   |
| 14 | Moderate       | People         | Holyrood - Potential Electrical Shock  | Dec-02   |
| 15 | Moderate       | Equip & People | Holyrood Unit #2 Boiler area -Contact with heat  | Sep-03   |
| 16 | Moderate       | People         | Holyrood - Potential for Electric Shock.   | Oct-03   |
| 17 | Moderate       | People         | Holyrood -Potential Injury   | Apr-04   |
| 18 | Moderate       | People         | Holyrood - Work Protection Incident  | Jun-04   |
| 19 | Moderate       | Equipment      | Holyrood - Work Protection Incident  | Jun-04   |
| 20 | Moderate       | People         | Holyrood -Work Protection Violation  | Nov-04   |
| 21 | Moderate       | People         | Holyrood - Employees inside Boiler while testing.  | Aug-05   |
| 22 | Moderate       | Equip & People | Holyrood - Mis-communication between crews.  | Sept.-05 |
| 23 | Moderate       | Equip & People | Holyrood - Improper WP, potential unsafe condition.  | Jan-06   |
| 24 | Moderate       | People         | Holyrood - Work Code Violation   | May-06   |
| 25 | Moderate       | Equip & People | Holyrood - #5 Air Compressor cooling water lines in a state of uncompleted status. The supply line was left open ended with the potential to backfeed water through the return piping. Valves were not tagged out to prevent this. | Jan-07   |