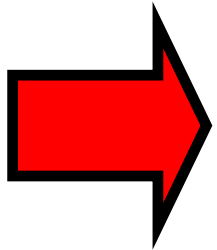




## Learn from this incident

**Purpose of this communication is to:**

- **Provide facts from a fatal incident**
- **Create interactive discussion**



**What will YOU learn from this incident?**



**August 2002  
Peace River Fatality  
Learning Package**



# Learn from this incident

## What happened?

- **Peace River Complex - Pad 40 Construction**
- **Aug. 1, 2002 at 1640 hrs.**
- **High-voltage specialist contractor crew of 4 on-site to tie-in and test the 25 kv power supply**
- **One worker electrocuted from an energized 25kv transformer primary**
- **One other worker seriously injured but survived**
- **Two others not injured**



## Learn from this incident

What will **YOU** learn from this incident?

Sequence of events:

- All terminations completed and all that remained was to test the transformer secondary voltage
- Primary-side doors left open after cable termination work
- Secondary-side doors previously locked after utility company meter installation
- Main switch in motor control centre confirmed open and locked



## **Learn from this incident**

### **Sequence of events:**

- **Worker #4 energizes 25kv supply at pole at edge of lease**
- **Worker #1 dons rubber gloves and places instrument leads on primary cable ends**
- **Worker #2 holding voltmeter (rated for 750 v) beside worker #1**
- **Worker #3 standing behind #2 holding instrument for an additional test to be conducted later**



## Learn from this incident

### Sequence of events:

- **Worker #2 collapses face down with burns to his hands and arms, evacuated by helicopter and later dies in Edmonton hospital**
- **Worker #3 receives minor burns, falls to his knee & rolls under cable tray - stunned but regains awareness quickly, evacuated by road, treated in Peace River hospital and released**
- **Worker #1 and Worker #4 are uninjured**



# Learn from this incident

## Discuss with your team:

- Now that you know **“What”** happened, **“Why”** did it?
- What could be some immediate causes?



# Learn from this incident

## Discuss with your team:

- Does your team identify hazards for every job and discuss how to do the job safely?
- Does your team check experience and competence of your workers for the particular job?
- Does your team ensure that proper tools are available to do the job safely?
- Are you aware of lockout / tagout procedures?  
Do you always follow the procedures?
- What do you do if the job can not be done as planned?
- What do **YOU** do when you see somebody doing something unsafe?

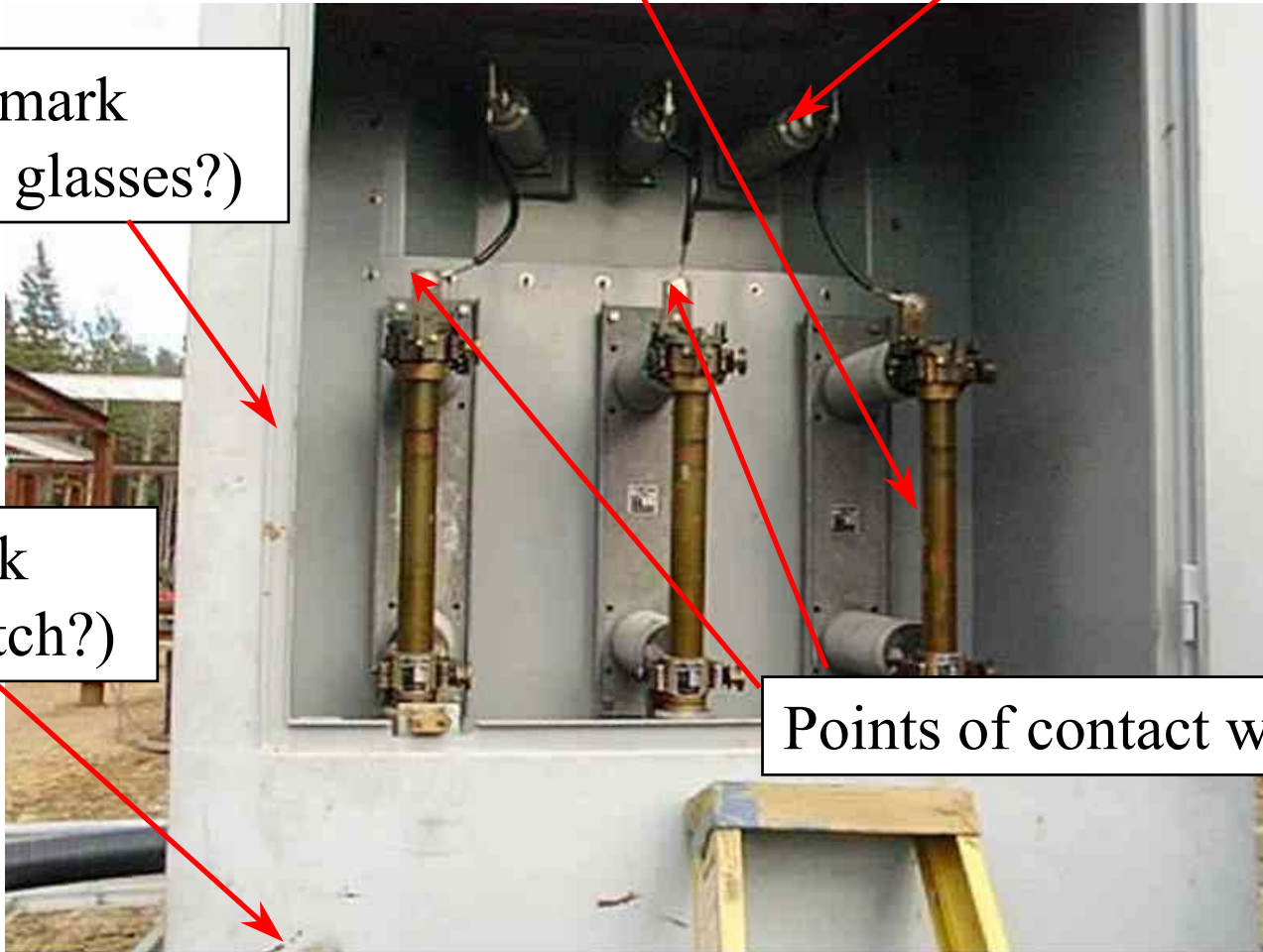


## Primary-side fuses and bushings

Burn mark  
(from glasses?)

Burn mark  
(from watch?)

Points of contact with leads



## Primary side of 25,000 / 600 v transformer



## Positional Re-enactment



Worker # 2  
- deceased

Worker # 1  
- uninjured

Worker # 3  
- injured

# Amprobe meter and leads - rated for 750 volts

