

Appendix J: Fire Incident Reporting Table

CNSC Fire Incident Reporting Template					
Title		Date of discovery		Plant	
Event description					
Sequence of events	<p>Time of the alarm or discovery: _____</p> <p>Time of the physical localization of the fire: _____</p> <p>Time when extinguishing started: _____</p> <p>Time when fire was brought under control: _____</p> <p>Time when fire was extinguished: _____</p>				
Pre-fire phase					
<p>Construction mode <input type="checkbox"/>Yes <input type="checkbox"/>No</p> <p>Operation mode:</p> <p><input type="checkbox"/>Outage <input type="checkbox"/>Shutdown <input type="checkbox"/>Decommissioning <input type="checkbox"/>Other: _____</p> <p>Confirmation time: _____</p>					
Ignition phase					
<p>Building and room location: _____ Component where fire started: _____</p> <p>Ventilation type: _____</p> <p>Ignition method</p> <p><input type="checkbox"/>Mechanical <input type="checkbox"/>Electrical <input type="checkbox"/>Self-ignition <input type="checkbox"/>Hot component <input type="checkbox"/>Hot work <input type="checkbox"/>Other: _____</p>					

Root cause

Equipment Human Procedures Other: _____

Method of detection of fire event

Auto fire detection Manual signals Fire watch Plant walkdown Personnel Indirect signals

Undetected Other: _____

Detector system type

Optical Heat Flame Ionization Infrared Other: _____ N/A

Did the detection system actuate: Yes No Malfunction N/A

Fuel/Combustibles/Fire loads:

Extinguishing phase

Type of extinguishing

Manual firefighting Fixed systems auto actuation Fixed systems manual actuation Controlled burnout

Fire source isolated Self-extinguished Not applicable Other: _____

Fixed Systems

Wet pipe Dry pipe Pre-action Deluge system Water mist Foam system Carbon dioxide Halon

Other gases: _____

Portable systems

Dry extinguisher Chemical extinguisher Gas extinguisher Foam extinguisher Other: _____

N/A

Fixed system performance: Actuated Malfunction No actuation N/A

Portable system performance: Normal Malfunction N/A

Who extinguished the fire?

Self-extinguished Fire system Fire watch Personnel in area Shift personnel Internal fire brigade
External fire brigade Other: _____

Manual firefighting performance: First attack successful Multiple attempts needed N/A

Suppression time: _____

Consequences and corrective actions

Change in operation due to fire

No change Change to hot standby Change to shutdown mode Other: _____

Smoke influence

None Worker Main control room habitability Manual actions Other: _____

Secondary effects

None Flooding Temperature Pressure Other: _____

Impact on safety systems

No safety systems lost Yes

If yes, please describe:

Corrective actions:

Fire effects:

