

Class 4 EXAMINER REPORT (Hydrocarbon Storage)

2002/04/30

Date of Examination (yyyy/m/dd):						
Name of Site Examined:						
Operator:						
Location: Lot:		Concession:		Township:		County:
Examiners Name:				Examiner's Certificate No.:		
NOTE: Examiners shall submit this report to the Ministry and the operator within 10 days of conducting an examination.						
MNR Use	Report audited by:	Date:		Site Inspected by:		Date:
Std. Ref.	ITEMS EXAMINED	Yes	No	Pass	Fail	Explanation of Failure or Problem and Comments.
CSA Z341	Annual Inspections - CSA Z341-98 Reservoir Storage					
10.2.1.2	Emergency response procedures annual test.					
10.2.2.1.1	Inspection of all instrumentation, function testing of all critical valving. Failed valves removed.					
10.2.2.1.2	Subsurface safety valves in tubing or casing function test.					
10.2.2.1.3	Critical control systems and emergency shutdown valves function test.					
10.2.2.2	Inspection of all surface casing vents and wellheads for leakage of hydrocarbons or other fluids.					
10.2.3.1.2	Inspection and testing of all impressed current sources for proper operation and correct current					
10.2.3.1.2	Inspection of all insulating fittings and resistance bonds for proper operation.					
	Other (explain)					
CSA Z341	Annual Inspections - CSA Z341-98 Salt Cavern Storage					
10.3.1.2	Emergency response procedures annual test.					
10.3.2.1.1	Inspection of all instrumentation, function testing of all critical valving. Failed valves removed.					
10.3.2.1.2	Subsurface safety valves in tubing or casing function test.					
10.3.2.1.3	Critical control systems and emergency shutdown valves function test.					
10.3.2.2	Inspection of all surface casing vents and wellheads for leakage of hydrocarbons or other					
10.3.3.1.2	Inspection and testing of all impressed current sources for proper operation and correct current output.					
10.3.3.1.2	Inspection of all insulating fittings and resistance bonds for proper operation.					
10.3.2.4	Cavern MIT after commissioning and every 5 years.					

	Other (explain)					
Std. Ref.	ITEMS EXAMINED	Yes	No	Pass	Fail	Explanation of Failure or Problem and Comments.
Prov. Std.	Annual Examination of Storage Works					
5.1, 5.4	Waste Handling.					
5.2, 5.3	Well and Battery Identification.					
5.5	Setback Requirements.					
5.5.1	Flares					
5.5.2	Oil and Brine Tanks.					
5.5.3	Process Vessels.					
5.5.4	Engines and Exhaust Pipes.					
5.6	Storage and Containment					
5.6.1	Dikes					
5.6.2, 5.6.3	Tanks meet API Specifications					
5.6.4	Electrical Grounding					
5.6.5	Cathodic Protection					
5.6.6	Underground Storage Tanks					
5.6.6	Storage Tank Identification					
5.7	Piping Systems					
5.7.1	Pipeline Materials					
5.7.2, 5.7.3	Pipeline Construction / Installation					
5.8	Pressure Vessels					
5.9	Flare Stacks					
5.10	Compressor/Processing Facilities					
5.11	Electrical Installations					
5.12	Pressure Control, Limiting and Relieving Equipment					
5.13	Fire Hazards and Explosive Storage					
	Other (explain)					

