5

1006 Database - Complete Listing

LEAK DESCRIPTION

Date of Leak : 12/14/92 Time: 11:04 MST
Line Number: 5
Location:
Milepost: 1210.50
City: Wakefield County: Gogebic State: MI
Tract:
Landowner:

Part of System Involved: Line Pipe
Item Involved : Welded Fitting
Cause:
Number of People Injured: 0
Number of People Killed : 0
Was there an Explosion ? No
Was there a Fire ? No
Leak enter Watercourse ? No

Estimated Damage: 0
Barrels Out: 100
Barrels Recovered: 95
Depth of soil cover: 0 ft.

Government Agencies: National Response Center
MI DNR
FED OPS

Was it DOT Reportable? YES
Was Drug Testing Performed? Yes
Temporary Repair: Date: / /
Permanent Repair: Replaced 2" fitting Date: / /
Line Shutdown: 11:04 12/14/92 Pressure at Shutdown:
Returned to Service: : / /
Pipe Analysis Performed? No

Pipe Information

Size: 0 In.
Wall Thickness: 0.0000
Date Installed: / /
Yield Strength: 0
Manufacturer:

Seam Type:
Spec. Manufacturer:
Coating:
Maximum Operating Press.: 0 psi

Hydrotest Data

Date: / / Test Press.: 0 psi Test Medium: Test Duration: 0 hrs

Internal Inspection:

Date: / / Type of Tool: Anomolies:

Disposition of Lost Commodity: Reinjected
Land Restoration Method: See Report in file
Comments: Drug testing performed on all present at hole. See file for personnel.

FB 6311868

CONFIDENTIAL

ENBDNR0004726

12/14/1992 1210.50
Mainline MP

OMB No. 2137-0047

ACCIDENT REPORT-HAZARDOUS LIQUID PIPELINE

Report Date

No. 7000-1 (DOT)

PART A—OPERATOR INFORMATION

1.) Name of operator Lakehead Pipe Line Company

2.) Principal business address 119 N. 25th St. E.

Superior (city) WI (state) 54880 (zip code)

3.) Is pipeline interstate? ☒ yes ☐ no

PART B—TIME AND LOCATION OF ACCIDENT

1.) Date: (month) December (day) 14 (year) 1992

2.) Hour (24 hour clock) 11:04 MST

3.) If onshore give state *(including Puerto Rico and Washington, D.C.)*, and county or city. Gogebic County, Michigan (near Wakefield)

4.) If offshore, give offshore coordinates

5.) Did accident occur on Federal Land? ☒ yes ☐ no
(See instructions for definition of Federal Land.)

6.) Specific location *(If location is near offshore platforms, buildings, or other landmarks, such as highways, waterways, or railroads, attach a sketch or drawing showing relationshp of accident location to these landmarks)*
Lakehead Pipe Line's old Wakefield pump station (removed). Approximately 4 miles southeast of Wakefield, Michigan and 1 mile northeast of U.S. Highway 2 on County Rd. 398. Lakehead's Milepost 1210.5.

PART C—ORIGIN OF RELEASE OF LIQUID OR VAPOR.

(Check all applicable items)

1.) Part of system involved:
☒ line pipe ☐ tank farm ☐ pump station

2.) Item Involved: ☐ pipe ☐ valve ☐ craper trap ☒ pump
☐ welding fitting ☐ girth weld ☐ tank
☐ bolted fitting ☐ longitudial weld
Other *(specify)* 2" pressure equalization valve installed for stopple project

3.) Year item installed 1992

PART D—CAUSE OF ACCIDENT

☐ corrosion ☐ failed weld ☒ incorrect operation by operator personnel
☐ failed pipe ☐ outside force damage
☐ malfunction of control or relief equipment.
☐ other *(specify)*

PART E—DEATH OR INJURY

1.) Number of persons killed. 0
____ Operator employees ____ Non-employees

2.) Number of persons injured. 0
____ Operator employees ____ Non-employees

PART F—ESTIMATED TOTAL PROPERTY DAMAGE

$ 25,000.00

PART G—COMMODITY SPILLED

1.) Name of commodity spilled: Crude oil

2.) Classification of commodity spilled:
☒ Petroleum Petroleum product ☐ HVL or ☐ Non-HVL

3.) Estimated amount of commodity involved
100 Barrels spilled 95 Barrels recoverd (see narrative Part K for additional volumes out due to controlled drain-up)

4.) Was there an explosion?
☐ yes ☒ no

5.) Was there a Fire?
☐ yes ☒ no

INSTRUCTIONS: Answer sections H, I, or J only if it applies to the particular accident being reported.

PART H—OCCURRED IN LINE PIPE

1.) Nominal diameter *(inches)* _____ 2.) Wall thickness *(inches)* _____

3.) SMYS *(psi)* _____ 4.) Type of joint: ☐ welded ☐ flanged ☐ threaded ☐ coupled ☐ other

5.) Pipe was ☐ Below ground ☐ Above ground

6.) Maximum operating pressure *(psig)* _____

7. Pressure at time and location of accident *(psig)* _____

8.) Had there been a pressure test on system?
☐ yes ☐ no

9.) Duration of test *(hrs)* _____

10.) Maximum test pressure *(psig)* _____

11.) Date of latest test _____

PART I—CAUSED BY CORROSION

1. Location of corrosion
☐ internal ☐ external

2. Facilty coated?
☐ yes ☐ no

3. Facilty under cathodic protection?
☐ yes ☐ no

4. Type of corrosion
☐ galvanic ☐ other *(Specify)*

PART J—CAUSED BY OUTSIDE FORCE

1. ☒ Damage by operator or its contractor
☐ Damage by others
☐ Damage by natural forces
☐ Landslide
☐ Subsidence
☐ Washout
☐ Frostheave
☐ Earthquake
☐ Ship anchor
☐ Mudslide
☐ Fishing Operations
Other _____

2. Was a damage prevention program in effect
☐ yes ☐ no

3. If yes, was the program
☐ "one-call" ☐ other _____

4. Did excavator call?
☐ yes ☐ no

5. Was pipeline location temporarily marked for the excavator?
☐ yes ☐ no

Items 2-5 not applicable.

PART K—ACCOUNT OF ACCIDENT

On December 14, 1992, at approximately 11:04 MST, Lakehead experienced a leak on it's Line 5 pipeline near Wakefield, MI. Crews had just completed mainline work where a stopple bypass had been installed and were removing the stopple towers. As the tower was being removed, the rigging jumped slightly and struck a hose line connected to a 2" pressure equalization valve. The valve was stripped from the threaded fitting causing the reported release. Line 5 was shutdown on an unrelated matter prior to this incident.

All oil was contained within the excavation, however, due to the static pressure in the line, repairs could not be initiated until pressure was relieved through drain-up. The release was control ed and allowed to drain into the open excavation until pressure was relieved and repairs could be made. Approximately 100 barrels of crude oil were released into the open excavation before vacuum trucks began recovering the oil. At no time following did the volume in the excavation increase, however, total drain-up volume was approximately 850 barrels.

The National Response Center was notified at 1308 MST, December 14, and the Michigan Department of Natural Resources was notified at 1313 MST, December 14. An incident update was provided to Mr. Donald Moore of the Office of Pipeline Safety - Central Region on December 15, 1992.

NAME AND TITLE OF OPERATOR OFFICIAL FILING THIS REPORT.

Jon E. Staudohar, Secretary & General Manager Corporate Services

(715) 394-1404 — Telephone no. *(Including area code)*

January 6, 1993 — Date

ENBDNR0004728