

Leaksite# 858

Minnesota Pollution Control Agency  
Hazardous Waste Division  
Tanks and Spills Section

Date: 10/22/90  
By: SCT

\*\*\*\*\*HYDROLOGIC SITE REVIEW\*\*\*\*\*

LEAKSITE NAME AND LOCATION: Former Conoco Station, South St. Paul  
LEAK OR SPILL REPORTED DATE: 9/30/88  
CONTRACTOR: Dahl  
REPORT NAME: Petroleum Hydrocarbon Release Invest. and Corrective Action Design Report

PROJECT LEADER: PCH  
HYDROLOGIST: Stephen Thompson  
PCS: DAS

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The Minnesota Pollution Control Agency (MPCA) has received your Petroleum Hydrocarbon Release Investigation and Corrective Action Design Report dated July 23, 1990, outlining the remedial investigation which has taken place to date and describing the proposed corrective action for the above referenced site. Based on the available information it appears that:

- o The release apparently had occurred from one or more of the three underground storage tanks (USTs) which were removed prior to the sale of the site by Conoco to Rapid Oil Change in 1983. The USTs included two 5,000 gallon tanks and one 10,000 gallon tank.
- o Eight soil borings have been advanced on site and five soil borings were advanced off site to the north and west. Three monitoring wells were completed on site and one completed off site to the northeast.
- o Soil was found to be contaminated at levels of 100 times the recommended allowable limits for benzene in soil borings D-1, D-3, TB-1, TB-6, MW-2, and MW-3.
- o Up to 0.81 feet of free product was measured in monitoring well MW-3. Ground water contaminants have also been detected in MW-2 and MW-4. The direction of ground water flow is to the northwest with a velocity of approximately 0.076 ft/day.
- o A ground water receptor survey indicated there was a well located approximately 2000 feet to the southeast.

Based on the available information, it appears that the remedial investigation has adequately defined the extent of soil and ground water contamination at this time. The MPCA approves the proposed Corrective Action Design which consists of a ground water/product recovery system and a soil venting system with the following comments and qualifications:

water contamination the down gradient direction. The location of the monitoring wells should be approved by MPCA staff.

10. Following approval of site closure, all soil venting lines, monitoring points, and monitoring wells should be properly abandoned by excavating the system or filling with neat cement grout in accordance with the Minnesota Department of Health Water Well Construction Code.