

**Iowa Department of Natural Resources
Environmental Protection Division
Land Quality Bureau
Emergency Response Unit**

DATE: January 10, 2000

TO: Farmers Cooperative Exchange, Rockford, IA

FROM: David L. Perry, Environmental Specialist, IDNR, Des Moines, IA

DLP

RE: File Review

HSI No: 34-10051-DH-2345

On January 10, 2000, I completed a file review for the groundwater remediation project pertinent to the Farmers Cooperative Exchange, Rockford, IA. The following information briefly describes the project:

Spill of 5300 gallons of Unleaded gasoline occurred at the Farmers Cooperative Exchange, Rockford, IA on October 5, 1991.

Seneca Environmental Services was hired 10-7-91.

Soil vapor and ground water monitoring/recovery wells were installed on-site.

Contract w/Seneca Environmental was signed to design a groundwater remediation system.

Remediation system consisting of product from recovery wells directed to an air stripper followed by a carbon-polishing unit. Effluent from the remediation system was directed upgradient to an injection well. The project was approved by the Department on 4-1-92

By 11-11-92 the carbon-polishing unit was disconnected from the system. Reportedly had been off line since 10-13-92.

Susan Dixon took over the project as the Department's Project Manager.

On March 11, 1993, F.O. staff conducted an on-site investigation and determined that the remediation system was not operating.

It was later reported that the system was down from 3-15-93 through 4-20-93.

System problems were documented on May 3, 1994.

In a report dated 8-24-94, the pH samples were reportedly not analyzed do to laboratory error.

It was reported that the groundwater remediation system was not operational between 9-21-94 through 10-24-94.

On Feb 14, 1994, pH samples were reportedly not analyzed due to the fact that the samples collected were acidified.

On October 5, 1994, it was reported that the flow meter had been read incorrectly since it was installed. Reportedly, the meter should be read in cubic feet rather than gallons. Consequently, all previous data should be multiplied by 7.48.

On September 12, 1995 it was written that the R.P. had two options: 1. Site clean-up report to determine risk classification. 2. Modify or replace current remediation system.

On Feb. 16, 1996, there were 3 additional monitoring wells installed.

On Jan. 15, 1996, it was reported that the system was down due to freezing.

On July 2, 1996, SCR Departmental review letter. Plume not bracketed, need to install one additional well.

On May 30, 1997, Discontinued M.W. #4.

On June 5, 1997, Ground water remediation system was to have been reported to have been shut down for a year.

On October 25, 1997, it was reported in a site monitoring report that M.W.'s 8 and 9 were not sampled.

On May 5, 1998, it was reported in a site monitoring report that M.W. #8 could not be located.

On November 16, 1998, it was reported in a site monitoring report that M.W.'s #8 and #9, could not be located due to gravel cover. Monitoring well number 4 was reportedly inadvertently sampled.

On December 2, 1998, authorization was given by the Department to no longer sample M.W. #12.

On May 26, 1999, it was written into a site monitoring report that they intend to monitor again 10-8-99 than risk based analysis. It was requested to omit sampling of M.W. #9. Monitoring wells # 7,8,9,10 were not monitored due to gravel cover.

March 1999, Dave Perry took over the project as the Department's project review manager.

June 15, 1999, site-monitoring report received.

January 6, 2000, November 1999, site-monitoring report received.

DLP:dlp

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