



Site
Investigation
Report
Review

SIRR Report
for
Unassigned Uncontrolled Sites

SIRR ID R82-0002

Site Name TRUGREEN CHEMLAWN, DAVENPORT

Screening Activity Extended Site Screening

City Location Davenport

Site Type Referral

County Scott

SITE INFORMATION

Property Owner Trugreen Chemlawn

Mailing Address 937 E. 53rd Street - Suite G
Davenport, IA 52807

Location/Legal Description 937 E. 53rd Street
Davenport, IA

Size Of Property 22,000 sq feet

Report Prepared By Dan J. Stipe

Date Report Submitted 06/23/1997

Report Submitted By Field Office 6

Current Usage commercial

REPORT INFORMATION SUMMARY

I. Summarize the data submitted (no., type, depth of soil borings, surface samples, ground water samples, other sampling conducted, analyses performed, contamination identified, etc.)

Field Office 6 submitted lab results of soil and pothole water sample analytical results for some pesticides. The soil samples were taken from west of the fenced blacktop area just south of the office/warehouse building. They all were off-site samples. Five soil surface samples and one pothole water sample were collected on 7/9/96 by IDALS. One pothole water sample was collected on 5/30/96 by FO6. The following pesticides were identified in the water sample: Diazinon, 280 ug/L; Chlorpyrifos (Lorsban), 1400 ug/L; Isofenphos, 2300 ug/L. Soil sample analysis showed the following contaminants in mg/kg: Chlorpyrifos, 4.1; Dicamba, 110; Isofenphos, 0.15; MCPA, 700; MCPP, 300; Pendimethalin, 260; and Prodiamine, 190. Runoff from the lot flows towards Goose Creek.

Six surface soil samples were taken from the same general area as above by the DNR Central Office on 11/25/97. Three water samples were Goose Creek. All samples were analyzed for Iowa common herbicides and organophosphate insecticides. Pendimethalin (Prowl) was detected at all six soil sampling points at values ranging from 1.3 to 85 mg/kg. Trefluralin (Treflan) was detected at two locations at 0.4 and 0.52 mg/kg. No pesticide analyzed for was detected in the surface water samples.

II. Summarize the site history (past usages, known or suspected contamination pathways such as tanks, S.W. burial, septic tank/tile field, lagoon, land application, etc.)

Trugreen-Chemlawn has been operating out of the present location since April 1, 1982. Trugreen merged with Chemlawn in



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1992. Prior to the merger, Chemlawn was the owner of the facility. The building is leased. Year-end inventories for 1994 and 1997 show that the facility marketed fertilizers, pesticides and mixtures of fertilizers and pesticides. The 1994 list showed 56 products. The major source of contamination is by rinsate flow from fertilizer/pesticide application trucks. Drainage from the parking lot flowed west towards Goose Creek.

III. Summarize the other relevant information (include what may have been learned or known from sources other than the report itself, such as DNR files)

There are no municipal wells within a 4-mile radius of the site. The nearest municipal water supply is 3.2 miles south of the site. This municipal water supply is from the Mississippi River.

REVIEW SUMMARY

Contaminant Type Ag Chemical

I. Summarize your findings and conclusions regarding the contaminants found and their extent and concentrations. Relate those values known criteria such as water quality standards, MCLs, established cleanup levels, background or any other relevant or useful benchmarks used to determine the site's priority.

The area of high pesticide contamination detected in the November 1997 sample was limited to the southwest portion of the area between Trugreen parking lot and Goose Creek. The Prowl concentration in soil ranged from 20 to 85 mg/kg. The department does not have any soil standards at this time. Goose Creek appears to not have been impacted by the release.

II. Summarize the potential or actual impacts of the contamination. What is known about the neighboring area, i.e., are there residences, businesses, public use areas, etc.? Are there wells in the area that could be potentially impacted? Are there identified contaminant pathways such as water or sewer lines, drain tiles, or fissures? Identify any other use/location issues that deserve consideration in any priority assignment.

The facility is located in a commercial area. It is situated about 100 feet from Goose Creek. There is no nearby municipal water supply. The soil pesticide level is several magnitudes the normal field application level of 2 pounds per acre. The contaminated area is wooded, but not fenced. Drain tiles were observed but the drainage seems to be coming from the properties south of the facility where commercial building construction was observed.

III. Summarize any other information, knowledge, or reasoning used in determining your recommendation regarding the priority assigned to this site.

The pesticide levels observed in the November 1997 sampling event are considerably lower than those found in the July 1996 samples. This may be related to soil removal that was done. Most of the affected area has been sodded during the November 1997 trip. There are no nearby drinking water well or surface water supply. Future release has been minimized by constructing a curb to hold back rinse water on the pavement. There appears to be no violation of an action level. During a trip to another site at Davenport, a brief stop was made at Trugreen-Chemlawn to observe the affected area. There was no stressed vegetation in the areas observed in 1996 and 1997. Therefore, a no further action is recommended.

PRIORITY LEVEL

Priority Level 3-4

PROGRAM AUTHORITY REFERRAL

Program Authority Referral No Further Action

Other Referral



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Site Name TRUGREEN CHEMLAWN, DAVENPORT

ISS/Form Completed By Lambert A. Nnadi

ESS Completed B

Form Reviewed

Date ISS Completed 08/15/1998

Date ESS Completed 12/12/1998

Date Completed

Date Reviewed