STATEMENT OF BASIS/FINAL DECISION AND RESPONSE TO COMMENTS SUMMARY

REGION X
ID# 0498

Safety-Kleen Corporation

Boise, ID

Facility/Unit Type: Vehicle maintenance operations
Contaminants: Diesel fuel, waste oil
Media: Soil
Remedy: Excavation

FACILITY DESCRIPTION

In 1989, Safety-Kleen conducted a visual site inspection of a new, proposed Safety-Kleen facility in Boise, Idaho. A sump containing oily waste and surface soil stain areas were found during the inspection. The Idaho Department of Health and Welfare requested that Safety-Kleen remediate the sump and determine the vertical and lateral extent of on-site soil contamination.

The property was occupied by a dealership for excavating and auguring machines from approximately 1978 through 1983. Waste handling practices included the disposal of waste oils in an unlined sump. The property was purchased by a trucking company in 1983, at which time the sump was emptied by an oil recycler. In 1986, the site was rented to a scale service company, and use of the sump for waste oil disposal was continued. Sampling results indicate that diesel fuel was present in the sump and at each of four soil stain locations.

The site is in an area zoned for light industrial activities. Underlying soil is well drained and primarily alluvial in origin. Municipal water supply is obtained from the Boise River through a system of three dams upstream from the city of Boise. No known wells, critical habitats or wetlands, parks or schools are located within one quarter mile of the site.

EXPOSURE PATHWAYS

Contact with contaminated soil is the primary exposure pathway at the site. The risk of exposure is minimal, however, since the highly contaminated soils were removed. Ground water is not a contaminant migration pathway because the vertical extent of contamination was limited to approximately 11 feet below ground surface.

SELECTED REMEDY

In July 1990, the sump contents and surrounding soil, PVC piping, sump drain, and contaminated surface soil were excavated. Each of the contaminated surface soil locations was excavated to a depth of approximately 2.5 feet. The sump was excavated to depth of 4.5 feet, and the sump drain was excavated to a depth of 11 feet.

INNOVATIVE TECHNOLOGIES CONSIDERED

None.

CONTAMINATION DETECTED AND CLEANUP GOALS

Media	Estimated Volume	Contaminant	Maximum Concentration (ppm)	Action Level	Cleanup Goal (ppm)	Point of Compliance
sump oil		Total petroleum Hydrocarbons	96,000		75	
soil		Total petroleum Hydrocarbons	21,900		75	

PUBLIC PARTICIPATION

There was no public participation

NEXT STEPS

Remediation of the sump and contaminated surface soil was completed, and no further action is required.

KEY WORDS
soil; ingestion; organics, oils; excavation

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