

NPL Site Narrative for Chevron Chemical Co. (Ortho Division)

CHEVRON CHEMICAL CO. (ORTHO DIVISION) Orlando, Florida

The Chevron Chemical Co. Inc. (Ortho Division) site is located in Orlando, Orange County, Florida. The site covers approximately 4.39 acres in an industrial area at 3100 Orange Blossom Trail. As a result of an EPA removal action, all concrete, buildings, and the water tower have been removed.

The Chevron Chemical Co. operated a chemical blending facility for pesticides and other crop sprays between 1950 and 1976. The facility formulated a variety of liquid and powdered pesticides, citric sprays, and nutritional sprays. Chemicals used in pesticide formulation included xylene, kerosene, mineral oil, and aromatic naphtha. A few of the pesticides formulated in large volumes consisted of chlordane, lindane, dieldrin, and aldrin.

Prior to 1970, two unlined rinsate ponds onsite were used for the collection and disposal of pesticide formulating rinse water, barrel rinse water, and storm water. After 1970, the pesticide formulating rinsate was collected and disposed of offsite at an unknown location.

Chevron Chemical ceased operations in 1976. The remaining inventories were removed from the site and the rinsate ponds were backfilled with soil prior to the sale of the property in 1978 to Robert R. Uttal. Mr. Uttal removed the pesticide formulating equipment and remaining drums, and washed the building interior with rinse water. The rinse water was not collected.

Mr. Uttal owned and operated the Central Florida Mack Trucks Service Center at the site from 1978 to 1986. Operations consisted of overhauling truck engines, starters, generators and front/rear ends. In March 1984, a tanker truck filled with 3 percent hydrochloric acid and an unknown amount of nitric acid apparently leaked in the vicinity of the former western rinsate pond, resulting in an explosion. Facility management excavated the contaminated soil and disposed of it in a secured landfill. The excavation was backfilled with clean fill.

In May 1989, the EPA conducted a Screening Site Inspection at the site. Soil samples indicated the presence of pesticides, benzene, toluene, xylene, chlordane, naphthalene, and metals. Ground water samples contained metals, benzene, toluene, xylene, pesticides, trichlorethylene, and chlorobenzene.

In September 1990, Chevron Chemical conducted a Contamination Assessment. Soil samples contained chlordane, xylene, dieldrin, aldrin, endrin, heptachlor, ethion, and arsenic. Ground water samples indicated the presence of benzene, toluene, xylene, chlorobenzene, aldrin, dieldrin, and heptachlor.

On May 15, 1990, EPA, Chevron Chemical Co., and Mr. Uttal signed an Administrative Order on Consent for the performance of a removal action at the site. Chevron Chemical submitted a Removal Action Plan that incorporated soil removal, site dewatering, water treatment, and disposal of treated water to an infiltration gallery onsite. The plan was approved by EPA: Chevron Chemical has completed the removal action. The order did not address ground water contamination.

On January 25, 1993, EPA and Chevron entered into an Administrative Order on Consent for Chevron to conduct and implement a remedial investigation and feasibility study (RI/FS) at the site. The RI/FS is currently in progress.

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at [ATSDR - ToxFAQs](http://www.atsdr.cdc.gov/toxfaqs/index.asp) (<http://www.atsdr.cdc.gov/toxfaqs/index.asp>) or by telephone at 1-888-42-ATSDR or 1-888-422-8737.