

Monsanto

FROM
(NAME-LOCATION-PHONE) R. L. Cheever - J. F. Queeny Plant (Ext. 1641)

DATE: April 24, 1991

cc: R. F. Sackett

SUBJ: RFI Fact Sheet
Quarterly Update

REF:

TO: D. G. Bartolanzo - G4WF

Attached herewith please find the quarterly status update of the Queeny Plant's RCRA Facility Investigation (RFI). This update is prepared in accordance with the Community Relations Plan portion of the approved RFI workplan.

Please review the current status section and return your comments to me.

Thanks.



Bob Cheever

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FACT SHEET

BACKGROUND

The John F. Queeny Plant located at 1700 South Second Street in St. Louis is Monsanto Company's first manufacturing site. Manufacturing operations began in 1901 with the production of saccharin, an artificial sweetener. Altogether, the Queeny Plant has manufactured over 200 different products in over 800 different forms of various product types including industrial chemicals, chemical intermediates, agricultural chemicals, pharmaceutical, and functional fluids.

Today's major products manufactured at the Queeny Plant include: L-Aspartic acid which is the main intermediate for producing NutraSweet™, the nation's fastest growing low-calorie sweetener; Para-nitrophenetole which is an intermediate used in the production of Santoquin™, a preservative for fish and poultry feeds; trichlorocarbanilide a bacteria-fighting compound in many leading deodorant bar soaps; and a variety of functional fluids including Skydrol™ fire resistant hydraulic fluids used by the airline industry.

REQUIREMENTS

The United States Environmental Protection Agency (USEPA) issued a Hazardous and Solids Waste Amendments (HSWA) permit to Monsanto Company for the Queeny Plant on November 8, 1989. This permit requires Monsanto to undertake a RCRA Facility Investigation (RFI) to characterize the plant site to determine any potential environmental impacts resulting from its manufacturing activities.

In general terms, the RFI is designed to: determine and assess soil quality; determine and assess groundwater quality and flow directions; geologically characterize bedrock; develop groundwater aquifer characteristics for rate and transport modeling; assess potential impacts on surface water bodies; develop risk assessment on human health and the environment; and obtain sufficient data to support evaluation of remedial alternatives in a corrective measures study, if applicable.

Specifically, the investigation involves: up to 23 soil borings for soils characterization; sampling and analysis of groundwater for the assessment of upgradient and downgradient water quality; and testing of the groundwater aquifer to develop modeling data.

The modeling phase of the investigation will use the data gathered to assess surface water body impacts and to develop a health and environmental risk assessment.

The workplan covers a period of approximately 52 weeks with the initial field work scheduled to begin on or about January 30, 1991.

INFORMATION CONTACTS

Plant Manager

Russell F. Sackett - (314) 622-1500

Environmental Protection Superintendent

Robert L. Cheever - (314) 622-1641

CURRENT STATUS - APRIL 1, 1991

The field work began on January 31, 1991. Twenty-three (23) soil borings were completed and three (3) groundwater monitoring wells installed on top of bedrock. Additionally, the installation of five (5) proposed bedrock wells was started with the installation of the initial ten-inch (10") casings.

Analytical data has been received on eighteen (18) of the soil borings and is currently being reviewed, internally.

Work is underway toward completion of the bedrock wells and installation of the test well and observation well.

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