Monsanto

MONSANTO INDUSTRIAL CHEMICALS CO.
1700 South Second Street
St. Louis, Missouri 63177
Phone: (314) 622-1400

March 29, 1985

Mr. Lyndell L. Harrington
U. S. Environmental Protection Agency - Region VII
Permits Section, RCRA Branch
726 Minnesota Avenue
Kansas City, Kansas 66101

Dear Mr. Harrington:

Enclosed is the response for the Monsanto Co., J. F. Queeny Plant to the survey on hazardous waste releases. The survey was received at our plant on March 4, 1985. Since use of the reporting form was optional, we chose to place the information in the attacment. All information requested in the EPA form, however, is included.

Since the information requested on solid waste management units was not intended to include those listed on our RCRA Part B application, the Queeny Plant Part B document would be a valuable resource in your review. Should you or other staff members have any questions, please contact me.

Yours very truly,

Kenneth M. Perica

Kenneth M. Perica
Sr. Environmental Protection Engineer

KMP:cs
Encl.

RECEIVED
APR 05 1985
AIR AND HAZARDOUS MATERI
DIVISION

R00105742
RCRA RECORDS CENTER

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Fred L. Thompson
(Signature)

Fred L. Thompson, Plant Manager
(Name and Title)

(Note: Mr. Fred L. Thompson has been authorized to sign such documents on behalf of the Group Vice-President and Managing Director, Monsanto Industrial Chemicals, Mr. Richard U. DeShutter.)

FACILITY NAME: Monsanto Company, J. F. Queeny Plant

EPA I.D. NUMBER: MOD004954111

CITY: St. Louis

STATE: Missouri

(1) & (2) SOLID WASTE MANAGEMENT UNITS

(A) Wastewater Treatment Units - Clarifier

The Clarifier is a rectangular concrete structure that receives the Queeny Plant wastewater on a continuous flow-through basis. The unit serves as a separation facility for spilled chemicals that enter the plant sewer system.

Capacity - average design rating: 3000-4000 gpm
maximum design rating: 10,000 gpm (includes storm water)

Dimensions - 90 ft. x 30 ft. x 20 ft.

The wastewater flowing through the Clarifier is generated throughout the plant as a result of a number of chemical manufacturing processes. This wastewater is discharged to the plant sewer system and then routed to the Clarifier.

The wastewater would be classified as a hazardous waste based on its corrosive character. The pH of the wastewater is generally in the range of 1.8-2.5.

(B) Elementary Neutralization Units - Neutralization Basin

The Neutralization Basin is a square concrete structure that receives the Queeny Plant wastewater on a continuous flow through basis. The unit receives the effluent from the Clarifier where the pH of the wastewater is adjusted. Lime, ammonia and acid are added at the Basin to neutralize the wastewater. The Basin effluent is then discharged to the Metropolitan St. Louis Sewer District where it receives additional treatment.

Capacity - average design rating: 3000-4000 gpm
maximum design rating: 10,000 gpm (includes storm water)

Dimensions - 45 ft. x 37 ft. x 24 ft.

(B) Elementary Neutralization Units (continued)

The wastewater flowing through the Neutralization Basin is generated throughout the plant as a result of a number of chemical manufacturing processes. This wastewater is discharged to the plant sewer system, then to the Clarifier and finally the Neutralization Basin.

The wastewater would be classified as a hazardous waste based on its corrosive character. The pH of the wastewater is generally in the range of 1.8-2.5 prior to neutralization.

(3) RELEASE INFORMATION

No releases occurred.

(4) ENVIRONMENTAL CONTAMINATION

No releases occurred, therefore this section is not applicable.