



PPG INDUSTRIES, INC.

CHEMICALS

P. O. BOX 1000

LAKE CHARLES, LA. 70602

December 28, 1988

Ms. Diana Buck
Enforcement Branch
U.S. Environmental Protection Agency
1445 Ross Avenue, Ste. 1200
Dallas, TX 75202

Re: Notification of Unanticipated Bypass of Treatment
(NPDES Permit No. LA0000761)

Dear Ms. Buck:

Due to unforeseen circumstances, fouling of our Steam Strippers' feed filtering system resulted in a bypass of treatment on December 23, 1988. Your office, as well as the Louisiana Department of Environmental Quality - Water Division were notified by phone on that date.

While emergency repairs were being performed on the treatment units, the lift stations comprising the wastewater collection system overflowed to Outfall 301. All non-essential systems generating wastewater were temporarily shut down during the loss of treatment, as indicated in the attached report from operating personnel. Also attached is their estimate of additional volatile chlorinated hydrocarbons discharged as a result of the bypass.

If you require additional information on this matter, please call me at (318) 491-4450.

Respectfully,

A handwritten signature in dark ink, reading 'Mark W. Wood'. The signature is written in a cursive, flowing style.

Mark W. Wood
Associate Research Chemist

155MWW/vc

cc: Mr. Frank Dautriel (La. DEQ)

bcc:

SL 045776

WASTEWATER COLLECTION SYSTEM BYPASS CALCULATIONS

Conditions

Before bypass: All flow reaching Outfall 301 was pumped to treatment - an average of 120 gal./min. consisting of blowdowns and other non-process wastewater. The system also collects/treats "first-flush" stormwater. High-flow condition is not treated.

During bypass: Outfall 301 pumps were shut down and all process wastewater collection sumps overflowed through Outfall 301.

Time	Rate gal/min	ClHC Conc.ppm
a. 0230-0245	4920	88
b. 0245-0315	5820	104
c. 0315*-0930**	300	185

Calculations

$$\text{gal/min} \times \text{minutes} \times 8.43 \text{ lb/gal} \times \text{ppm}/10^6 = \text{lbs ClHCs}$$

$$\therefore \text{a. } 4920 \times 15 \times 88 \times 8.43 \times 10^{-6} = 55 \text{ lbs}$$

$$\text{b. } 5820 \times 30 \times 104 \times 8.43 \times 10^{-6} = 153 \text{ lbs}$$

$$\text{c. } \underline{300 \times 375 \times 185 \times 8.43 \times 10^{-6}} = \underline{175 \text{ lbs}}$$

$$\text{Total Diversion due to Bypass} \quad 383 \text{ lbs}$$

*Water reduction effected

**Lift Stations returned to treatment

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