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CITY OF ST. PETERSBURG

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88 OCT 31 PM 12:07

BUREAU OF
WASTE MANAGEMENT

October 27, 1988

Mr. Tim Hagan
President
HOWCO
843 43rd Street South
St. Petersburg, Florida 33711

RE: Flow Monitoring, Wastewater Discharge
Permit #SPFL-5093-86-32.

FLD 152764767

*Howco
TIM's Waste Oil
M.R. 10/31/88*

Dear Mr. Hagan:

The flow meter monitoring of your wastewater discharge as recorded in the 44th Street manhole using an ISCO flow meter and an 8" Palmer Bowlus Flume indicates the following:

On Tuesday, October 4, 1988, continuous recording charts show you were discharging at 20 gallons per minute (gpm) at 1:40 p.m. This discharge continued at a slowly declining rate (indicating decrease of head pressure in your storage tank) to approximately 12 gpm at 12:25 p.m. on October 5, 1988. An overall volume of 24,400 gallons was recorded on the meter which indicated an overall mean discharge rate of 17.9 gpm for the 22 hour/45 minute period.

Similar monitoring from October 5 to October 6, 1988 showed an overall mean flow of 19.7 gpm. From October 6 to October 7, 1988, an 18.0 gpm mean flow was recorded.

Thus, over this three day period an ideal flow rate was being discharged from your premises which was within permit limits.

On Monday, October 17, 1988, flow monitoring was resumed at 2:05 p.m. and continued until 11:40 a.m. on Tuesday, October 18, 1988. On October 17 at 3:30 p.m., the continuous chart indicated an increase in flow rate from almost zero to 36 gpm. This flow continued until 4:30 a.m. on October 18, 1988. Discharge almost ceased at this time, until 9:45 a.m. when once again, a flow rate of 36 gpm was observed. At 11:00 a.m. a total of 36,340 gallons had been recorded which indicated an overall mean flow over the total 21 hour/40 minute period of 28 gpm. Within this period you violated both flow rate and total daily flow permit limits.

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Monitoring from 12:00 noon on October 18 until 11:10 a.m. on the following day, showed a total flow of 45,820 gallons which indicated an overall mean flow of 32 gpm. Once again, you violated flow rates and total daily flow permit limits.

This chart also indicates a fluctuating discharge from 1:45 until 2:10 p.m. on October 18th which exceeded 50 gpm. At 6:30 p.m. (4½ hours after this discharge at your establishment), the Southwest Wastewater Treatment Plant experienced a slug influent which caused it to have to go off line and severely affected the biological treatment process.

Our accumulated data thus, indicates that early in October, your discharge was maintained within permit limits, but has increased recently to levels which are in continuous violation of both total daily flow and flow rate limits.

The occurrence of slugs at the Southwest Wastewater Treatment Plant once again, after a 5 week period in which no slugs were recorded, is of serious concern to the City. The occurrence of these slugs is only observed when your discharge is greater than your permit limits.

Further flow monitoring will continue around the clock. You should ensure that no discharge flows from your facility exceed the 20 gpm limit at any time or the City will take further action on this matter.

Should you have any further questions, I can be contacted at 893-7739.

Sincerely,



John R. Parnell, Ph.D.
Industrial Pretreatment Coordinator
Water Quality Assessment Division

JRP:lh

xc: Albert B. Herndon, Chief, Pretreatment/O&M Unit, EPA/Atlanta
Armando Gonzalez, Hazardous Waste Program, DER/Tampa
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William C. Hargett, Deputy City Manager, Public Works
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