

February 20, 1995

RESOLUTION NUMBER 95-3

A RESOLUTION FOR ODOR CONTROL IN THE WASTE WATER COLLECTION
SYSTEM FOR SPRING HILL, TENNESSEE

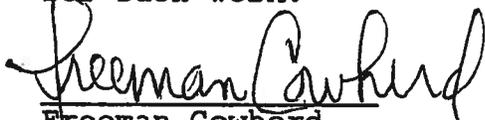
WHEREAS, odor has developed due to the length of time waste water is retained in the collection lines from the northeast part of town.

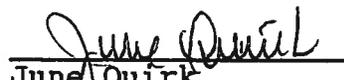
WHEREAS, there is no prospect or likelihood of this public nuisance problem ever improving less the intervention of the Town of Spring Hill toward remediation of this problem.

WHEREAS, it is obligatory upon the town to improve the quality of life in the affected neighborhood of Duplex near the county line by mitigating this odor.

THEREFORE BE IT RESOLVED by the Mayor and Board of Alderman of the Town of Spring Hill, Tennessee that work shall be done as described in the letter by Gene Koonce entitled "ODOR CONTROL SYSTEM", dated February 16, 1995, to the City Administrator. This work will cost approximately \$6,000 for installation of equipment at the Cameron Farm pump station. Chemicals to be fed at the rate of 300 gallons per month, plus or minus, will cost approximately \$1.75 per gallon.

BE IT FURTHER RESOLVED that the city's budget for fiscal year 1995-96 shall be amended to include funds as needed to pay for such work.


Freeman Cowherd,
Mayor


June Quirk,
City Recorder



Post-it® Fax N 7671		# of pages 3	
To Elwyn Bembry	From Buddy Koonce		
Co./Dept/	Co.		
Phone #	Phone #		
Fax # 486-0516	Fax #		

HIGHERS, KOONCE & ASSOCIATES, INC.
 Civil and Environmental Engineering
 3343 Perimeter Hill Drive, Suite 212
 Nashville, Tennessee 37211
 (615) 333-7200
 (615) 333-0529 Fax

February 16, 1995

File No. 215-03

Mr. Elwyn Bembry, Administrator
 Town of Spring Hill
 Post Office Box 789
 Spring Hill, Tennessee 37174

RE: ORDER CONTROL SYSTEM

Dear Mr. Bembry:

At the request of Mrs. Cassandra Caldwell, we have reviewed several options to control the odor caused by the wastewater near the New Town area. As a point of information, this odor is caused by the primarily wastewater becoming septic as it is pumped through the force main from the Cameron Farms subdivision before emptying into a manhole near Mrs. Caldwell's house. When the wastewater becomes septic due to the lack of oxygen, then hydrogen sulfide forms, thus causing a rotten egg smell.

My recommended solution to this problem is to add "Odophos" to the wastewater at the pump station. This additive prevents the formation of hydrogen sulfide, thus eliminating the odor problem. We have used this system in LaVergne and we have been pleased with the results. The cost to purchase and install this system, is approximately \$6,000.00. In addition, the cost of Odophos is \$1.75 per gallon. We estimate the City would use approximately 300 gallons per month, therefore the monthly cost would be \$550.00.

Billy Joe, Shane and I have previously investigated this product. Attached is a copy of a letter from Davis Process Division outlining the requirements and costs of this process. Our concern has been the cost of this process; however, as the odor has become more of a problem to the local residents, it may be time to consider this application.

Should you have further questions, please don't hesitate to give me a call.

Very truly yours,

HIGHERS, KOONCE & ASSOCIATES, INC.

Buddy Koonce

Gene C. Koonce, Jr.
 GCK:mgr
 /30956

cc: Mr. Billy Joe Hendricks
 Mr. Shane Whitt

To Spring Hill Auxiliary File

0215-02

DAVIS
PROCESS DIV.



"Serving the Water Industry Since 1936"

2650 Tallevast Road
P.O. Box 29
Tallevast, FL 34270-0029
813-355-2971
FAX: 813-351-4756

June 22, 1993

Mr. Hendricks
Spring Hill City Hall
P.O. Box 789
Spring Hill, Tennessee 37174

RE: BIOXIDE® for Hydrogen Sulfide Control at
Cameron Hills Force Main Discharge

Dear Mr. Hendricks:

As per your request Davis Process would like to make the following proposal for a BIOXIDE® demonstration at the Cameron Hills Pump Station force main discharge. Davis Process will deliver and install the following equipment:

- 1 - 1000 gallon storage tank
- 1 - Tank pipe kit & filter
- 1 - Tank pipe stand
- 1 - Stainless steel pump box
- 1 - Stainless steel calibration stand
- 2 - 15907-001 Davis Process chemical feed pumps
- * - All valves and piping needed to feed BIOXIDE® into the wet well.

The City will need to supply the following:

- * - 115 volt power to control panel
- * - 1" hole in top of wetwell for the BIOXIDE® feed line

The cost for the BIOXIDE® will be \$1.75 per gallon delivered. The estimated feed rate of the BIOXIDE® will be 10 gpd or \$17.50 per day to control the hydrogen sulfide at the pump station force main discharge.

Davis will deliver 500 gallons of BIOXIDE® for the demonstration at a cost of \$875.00. After the demonstration, which should last 50 days, the City will have the opportunity to purchase the system for \$5,898.75. If the City is not satisfied with the results of the demonstration, there will be no charge for removal of the BIOXIDE® system.

Mr. Hendricks
Spring Hill City Hall
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I look forward to working with you on this project. If you have any questions please contact me at 1-800-345-3982.

Sincerely,

DAVIS WATER & WASTE INDUSTRIES, INC.
Process Division



Donald Orange
Sales Representative

DO/sw
A:SprgHill.Bio

cc: Mr. Buddy Koonce
Bledsoe, Highers & Koonce, Inc.