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NCBC GULFPORT  
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LETTER TRANSMITTING U S NAVY RESPONSE TO U S EPA REGION IV QUESTIONS ON  
FEED RATE CALCULATIONS NCBC GULFPORT MS  
3/21/1988  
TYNDALL AIR FORCE BASE



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS AIR FORCE ENGINEERING AND SERVICES CENTER  
TYNDALL AIR FORCE BASE FL 32403-8001

21 MARCH 88

REPLY TO ATTN OF:RDVW (MAJ STODDART)

SUBJ: RESPONSE TO QUESTIONS ON NCBC FEED RATE CALCULATIONS

TO: Ms Caron Falconer  
EPA, Region IV  
345 Courtland St  
Atlanta, Georgia 30365

1. Reference our telecon, same subject, 21 March 88.
2. Questions and responses based on the referenced telecon:

**QUESTION** How does the AWFSO function during the first 15 to 30 minutes of waste feed?

**ANSWER** The DAS software includes a calculation involving pounds/minute feed rate. This calculation is linked to auger-on time and becomes active after 2 minutes of initializing the system. The DAS monitors pounds/minute from changes in the weigh-hopper scales. If the feed exceeds 177 pounds/min (5.3 tons/hr) the AWFSO is activated. Following the 15 to 30 min initialization period the "rolling average" feed rate calculation begins. Should the rolling average feed rate exceed 5.3 tons per hour the AWFSO system is activated.

**QUESTION** How often is the DAS feed rate calibrated?

**ANSWER** The DAS feed rate is not calibrated directly. At the end of each eight hour shift the shift supervisor calculates the bulk average feed rate based on the total tons processed during the eight hour period (subtracting out auger down time). This calculation is reconciled with the DAS calculation from the same time period. The weigh hopper is calibrated by a local scale company approximately every 30 days by using known weights. The weigh hopper "zero" is checked at least once per shift.

3. Should you have any questions on this response, please contact me at tele, 904-283-2942.

*T L Stoddart*

Terry L Stoddart, Maj, USAF, BSC  
Chief, Environmental Restoration R&D

cc  
Mr Tobin  
code orange  
Mr Haley

**CERTIFICATION STATEMENT**  
**REQUIRED BY 40 CFR 270.11 (d)**

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 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.

*Terry L Stoddart*

**Terry L Stoddart, Maj, USAF, BSC  
CH, Environmental Restoration R&D**

**DATE: 21 March 1988**