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NCBC GULFPORT
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LETTER FROM U S AIR FORCE REGARDING REPORT OF TREATMENT PROCESS
INTERRUPTION FOR DIOXIN INCINERATOR DESTRUCTION NCBC GULFPORT MS
12/1/1987
U S AIR FORCE



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS AIR FORCE ENGINEERING AND SERVICES CENTER
TYNDALL AIR FORCE BASE FL 32403-6001

1 December, 1987

Reply to attn of: RDVW (Maj Stoddart)

Subj: Report of Treatment Process Interruption: NCBC Incinerator

TO: Mr Pat Tobin
EPA, Region IV
345 Courtland St
Atlanta, Georgia 30365

1. On 30 November, 1987 a power surge "hit" the ENSCO incinerator. The power surge occurred at 1550 hr. The power surge burned-out the following equipment:
 - a. 2 SCC control relays
 - b. SCC control system actuator button on control panel
 - c. Auger control relay.

The power surge initially caused the SCC controller to fluctuate which in-turn caused the SCC combustion air blower to assume the fail-safe position of full-open. The momentary surge of air backed-up into the kiln and tripped the low draft AWFSO. The SCC controls listed in a. and b. above failed and caused the flameout of the SCC.

2. At the time the SCC flamed out the kiln was being fed at a rate of 2.4 tons/hr. This feed rate would mean that 1.2 tons of soil were in the kiln at the time of the SCC flameout. The soil in the kiln was exposed to the 1500 degree temperature for a residence time of approximately 30 minutes.

3. In our assessment no release of contaminated material occurred. At the time of the flameout both the packed-tower and jet scrubber were operational and residence time of gases in the SCC was approximately 5-6 seconds.

A handwritten signature in cursive script that reads "Terry L Stoddart".

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

* ACTIVITY REPORT *

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