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NCBC GULFPORT
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LETTER REQUESTING AN INCREASE OF 30 OPERATIONAL DAYS AND A MODIFICATION
TO TREAT UP TO AN ADDITIONAL 1500 CUBIC YARDS OF SOIL FOR PERMIT MS 2 170
022 626 NCBC GULFPORT MS
11/1/1988
TYNDALL AIR FORCE BASE



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE ENGINEERING AND SERVICES CENTER
TYNDALL AIR FORCE BASE, FL 32403-6001

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39501-SITE 8 INCINERATION
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REPLY TO
ATTN OF RD

SUBJECT Modifications to EPA Permit #MS 2 170 022 626

TO Mr Patrick Tobin
EPA Region IV
345 Courtland Street
Atlanta GA 30365

9.2.8.12

1. This letter requests an increase of 30 operational days and a modification to treat up to an additional 1500 cubic yards of soil at the Naval Construction Battalion Center, Gulfport MS. This increase is being requested to support additional research and development requirements concerning soil excavation and component reliability.

a. The existing permit allows for treatment of 14,000 cubic yards of soil during 250 operational days and expires on 4 Aug 89. This modification will increase the total operational days to 280 and total treated soil to 15,500 cubic yards.

b. No extension of the permit expiration date is requested. There will be no change in the original scope of the project or the area to be excavated.

2. These changes are essential to conclude several aspects of the ongoing research project.

a. The primary reason for the modification involves the reliability aspect of the research with respect to the lifetime of the various incinerator components. Many key systems of the incinerator did not show wear or malfunction until 8 months of continuous operation. A complete engineering assessment of these components will require additional data at full operational capacity.

b. Research on innovative methods of excavating and processing the ditch material and reinforced concrete pads will be jeopardized without the extension. Both substrates reduce the throughput of the incinerator, necessitating an increase in operational days.

c. According to a recent internal audit of soil excavation, approximately 10 percent more soil was excavated than was necessary. This inaccuracy results from the inability to maneuver and operate heavy excavation equipment to predefined limits. It seriously impacts total volume estimates. An important finding of the present research will be development of a methodology to fine tune the estimation and excavation processes.

UNITED STATES AIR FORCE



SEPTEMBER 18, 1947

3. The most recent performance schedule indicates the current permit limits are barely enough to complete the research effort. This modification will provide about a 10 percent contingency over the permitted volume of soil and operations days. It will ensure the entire scope of research can be completed. Since the research is nearing completion, a timely response to this request would be appreciated.

James R. Van Orman

JAMES R. VAN ORMAN
Deputy Director, Engineering and Sciences
Laboratory