



DEPARTMENT OF THE NAVY

CRANE DIVISION
NAVAL SURFACE WARFARE CENTER
300 HIGHWAY 361
CRANE, INDIANA 47522-5000

N00164.AR.000508
NSWC CRANE
5090.3a

IN REPLY REFER TO:

5090
Ser 095/0001

81 JAN 2000

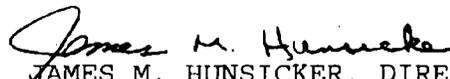
U.S. Environmental Protection Agency, Region V
Waste, Pesticides, & Toxics Division
Waste Management Branch
Illinois, Indiana, and Michigan Section
Attn: Mr. Peter Ramanauskas (DW-8J)
77 West Jackson Blvd.
Chicago, IL 60604

Dear Mr. Ramanauskas:

Crane Division, Naval Surface Warfare Center (NAVSURFWARCENDIV Crane) submits for inclusion two copies of the replacement pages for updating the Draft to a Final for the Windrow S-001 Batch Report for Full Scale (FS) Bioremediation Operations as enclosure (1). Enclosure (2) is the required certification statement.

NAVSURFWARCENDIV Crane point of contact is
Ms. Christine D. Freeman, Code 09511, telephone 812-854-4423.

Sincerely,


JAMES M. HUNSICKER, DIRECTOR
ENVIRONMENTAL PROTECTION DEPARTMENT
BY DIRECTION OF THE COMMANDER

Encl:

- (1) Replacement pages for Windrow S-001 Batch Report for FS Operations
- (2) Certification Statement

Copy to:

ADMINISTRATIVE RECORD
IDEM (D. Griffin) (w/o encls)
MK Cleveland (A. Fosdick) (w/o encls)
SOUTHNAVFACENGCOM (Code 1864) (w/o encls)

INSTRUCTIONS FOR UPDATING DRAFT TO FINAL

Windrow S-001, Batch Report Full-Scale Bioremediation NSWC Crane, Crane, Indiana

REPORT COMPONENT	INSTRUCTIONS
Binder Spine	Remove and discard white (Draft) binder spine, dated September 1998 and replace with attached green binder spine, dated December 1999 (Rev. 0).
Binder Cover	Remove and discard white (Draft) binder cover, dated September 1998, and replace with attached green binder cover, dated December 1999 (Rev 0).
Inside Cover	Remove and discard inside cover, dated September 1998, and labeled "Draft" and replace with attached white 3-hole punched cover page, dated December 1999 (Rev. 0).
Signature Page	Remove and discard unsigned Draft signature page, dated September 25, 1998 and replace with attached signed page, dated December 17, 1999.



Full-Scale Bioremediation
Windrow S-001, Batch Report

NSWC Crane
Crane, Indiana

Unit Identification Code: N00164
Contract No. N62467-93-D-1106

December 1999

Revision 0

**Southern Division
Naval Facilities Engineering Command
North Charleston, South Carolina
29419-9010**



Full-Scale Bioremediation
Windrow S-001, Batch Report

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Naval Facilities Engineering Command
North Charleston, South Carolina
29419-9010**

**FULL-SCALE BIOREMEDIATION
WINDROW S-001, BATCH REPORT**

**NSWC CRANE
CRANE, INDIANA**

December 17, 1999

**CONTRACT N62467-93-D-1106
DELIVERY ORDER #0009
STATEMENT OF WORK #0007**

Prepared for

**SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010**

Prepared by:

**MORRISON KNUDSEN CORPORATION
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Corporate Square 1 - Suite 211
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PREPARED/APPROVED BY:

Tom Corp Fob

B. Venky Venkatesh
MK Project Engineer

12/17/99

Date

APPROVAL:

Alan Fosdick

Alan Fosdick
Deputy Program Manager

12/17/99

Date

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 submitted 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.


SIGNATURE

DIRECTOR, ENVIRONMENTAL PROTECTION DEPARTMENT
BY DIRECTION OF THE COMMANDER
TITLE

1/10/00
DATE