



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

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NSWC CRANE
5090.3a

May 18, 1998

DRP-8J

REPLY TO THE ATTENTION OF:

Ms. Chris Freeman
Environmental Protection Department
BLDG. 3260
Naval Surface Warfare Center
Crane, Indiana 47522

RE: FCR-FS-004
Bioremediation Facility
Naval Surface Warfare Center
Crane, IN

Dear Ms. Freeman:

I have reviewed FCR-FS-004, Excavation of Soil at Mine Fill B Building 165, dated May 7, 1998, for modification of the approved Full-scale Work Plan. The FCR is hereby approved with the minor modifications enclosed in the attachment and written onto the original FCR (enclosed). Please be aware that there must be close coordination between the staff in charge of the delineation and removal of contaminated soil and the staff in charge of the installation of the utilities and tunnel. This was not specifically stated in the plan. If you have any questions regarding this matter, please contact me at (312) 886-6146.

Sincerely,

Carol Witt-Smith
Corrective Action Expert
WMB, IL/IN/MI Section

cc: Bill Gates, SOUTHDIV
Dave Beall, MK Crane
Tom Linson, IDEM
Stephanie Riddle, IDEM BRAC

Modifications to FCR-FS-004
Bioremediation Facility
Naval Surface Warfare Center
May 19, 1998

1. Section 2.0, Sentence 2

Add "the" between "of indicated."

2. Throughout the document

Add "approved" in front of "Full-scale Operational Plan."

3. Section 6.0

a. At the beginning of the section add: "The Navy will have an excavation plan for the utilities and tunnel along with the digging permit. Excavations are expected to be below the 2 foot from surface level. Contaminated soil at Mine Fill B is not expected to be significantly deep, based on surficial operations, if present."

b. At the end of the first sentence add: "of any contaminated soil found in the utility/tunnel areas."

c. In the third sentence add "identified and" before "excavated."

d. After the third sentence in paragraph 2 add: "Further sampling and excavation may be required to the depths of utility/tunnel excavation requirements, in order to comply with OSHA worker protection requirements."

4. Section 8.0

At the end of the first paragraph add: "If possible, soils from Mine Fill B will be kept segregated from Mine Fill A soils. If they are mixed, logs will identify and track where the soil came from to create the windrow and where the treated soils from that windrow will be disposed of."

5. Section 11.2

At the end add: "Sample locations may need to be adjusted to make sure samples are taken within the expected utility/tunnel excavation areas."

6. Section 13.0

At the end of the first sentence in the second paragraph add: "after sampling and surveying is completed." At the end of the second sentence add: ", or as specified in the

utility/tunnel installation and excavation/restoration plans.