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**REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) - FEED
MATERIALS PRODUCTION CENTER - REVISED MASTER SCHEDULE**

12/09/88

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LETTER



Department of Energy

Oak Ridge Operations
P.O. Box 2001
Oak Ridge, Tennessee 37831-

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December 9, 1988
DOE-279-89

Mr. Basil Constanelos
U. S. Environmental Protection
Agency - Region V
Director, Waste Management
230 South Dearborn Street
Chicago, IL 60604

Dear Mr. Constanelos:

REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) - FEED MATERIALS PRODUCTION CENTER - REVISED MASTER SCHEDULE

This letter transmits an updated master schedule for the FMPC RI/FS work. As you will note, the completion date for all the work has been extended by 16 months. However, remedial actions for high priority operable units will proceed as originally scheduled in the fall of 1990. This extension is due to the progressive technical findings during the first phase of the field investigations which require additional field work and additional work at the request of EPA.

The current schedule is based on Revision 3 of the Work Plan which was approved by the U.S. EPA on May 18, 1988. The work defined in Revision 3 is proceeding, with minor exceptions, on schedule. However, as anticipated in Revision 3, there have been several technical findings which will require follow-on field investigations. The probable need of a Phase II field program was spelled out in several places in the Work Plan generally as "schedule impacts may occur due to scoping change or longer than planned review times." The discovery of a body of perched water under Plant 6 which contained elevated concentrations of uranium, the need to characterize a plume under the waste pits, and the need to characterize possible sources for the groundwater plume to the south has resulted in a need for additional investigations in the following areas:

- 1) The addition of 24 on-site wells to refine the boundaries of plumes originating under the waste pits, Production Area and the Fly Ash Pile.
- 2) Characterization of the groundwater plume south of the site (as previously discussed with the U.S. EPA) will require additional wells.

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- 3) The Facilities Testing Program will be greatly expanded due to discovery of water under Plant 6 containing elevated concentrations of uranium; and soil containing elevated concentrations of uranium in the former drum baling area. The Facilities Testing Work Plan, which was under development at the time of the discoveries, has been enhanced to provide for systematic borings across the entire Production Area with additional borings in areas with a high probability of being contaminated due to historical operations. This new approach will require 236 borings and 6 wells, and because of the necessity for boring in potentially contaminated areas and inside buildings, health and safety concerns will require a cautious investigation.
- 4) Discovery of multiple sources involving different forms of uranium and differences in conditions in the Sand and Gravel Aquifer, which affect the mobility of uranium, will require implementation of a geochemical program. This information is necessary to characterize how the contaminants are actually moving within the groundwater system.

The Feasibility Study Work Plan submitted on August 15, 1988 proposes a operable unit approach to the Feasibility Study Program. This allows us to focus our investigations and the resultant development and presentation of clean-up actions on the more critical areas of the site, such as the plume of uranium off-site to the south, the K-65 silos while the longer term investigations of the Waste Pits and regional groundwater continue.

I suggest that we meet in the near future to discuss the updated RI/FS Work Plan. Early resolution of EPA comments and EPA approval of the Feasibility Study Work Plan submitted in August 1988, the Facilities Test Plan submitted in November, 1988 and the plans and schedules contained herein will permit proceeding with work as scheduled.

I look forward to meeting with you and your staff prior to the Christmas holiday to discuss this matter. Please contact me at FTS 774-6319 if you have any questions.

Sincerely,


James A. Reafsnyder
Site Manager

DP-84:Reafsnyder

Attachment: As stated

cc w/att:

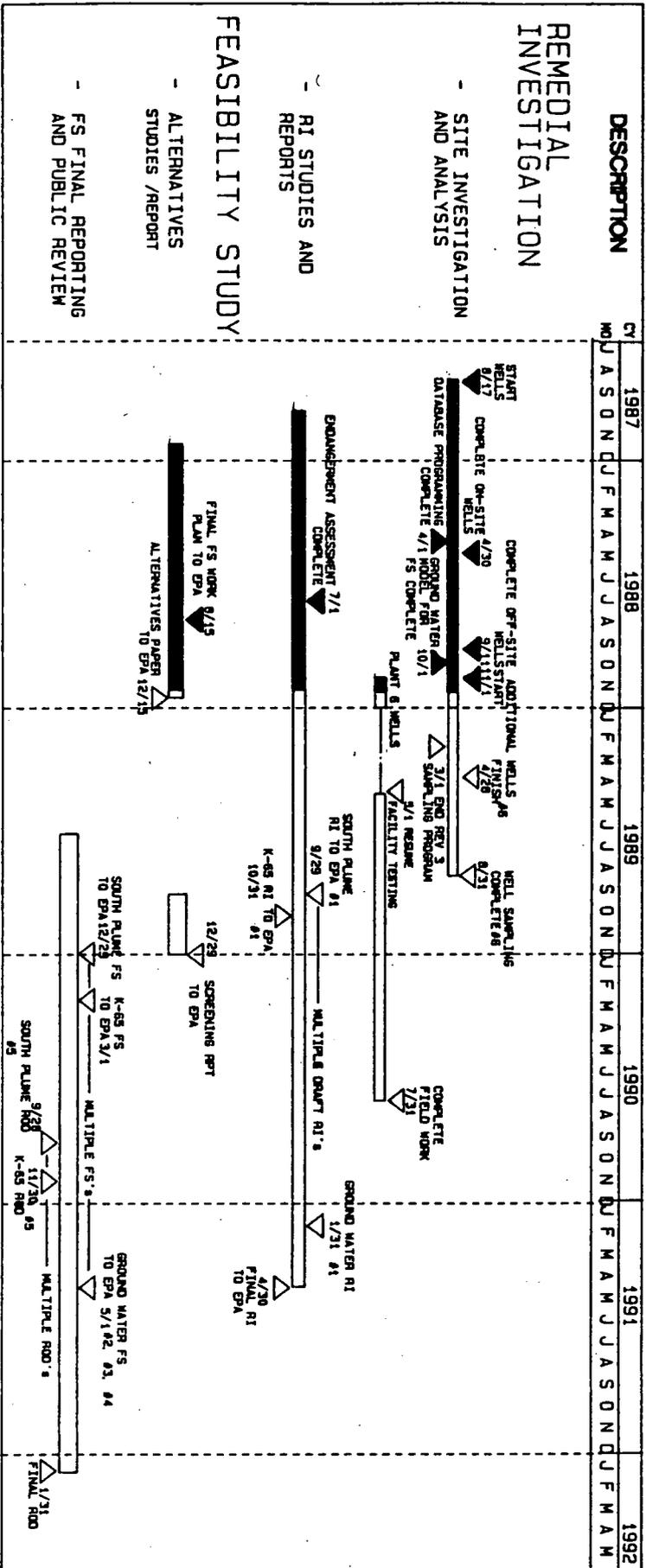
- W. D. Franz, USEPA
- W. E. Muno, USEPA
- C. A. McCord, USEPA
- R. L. Shank, OEPA
- G. Mitchell, OEPA
- M. Wilson, SE-31, ORO
- K. I. Taimi, EH-232, FOR

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bcc w/att

L. C. Bogar, WMCO

FMPC REMEDIAL INVESTIGATION/FEASIBILITY STUDY SUMMARY PROJECT SCHEDULE



REV	DATE	REVISION STATUS	REFERENCE
0	6/26/87		BASELINE SCHEDULE
1	2/11/88		WORK PLAN, REV. 2
2	10/16/88		24 ADDED WELLS
3	11/14/88		FACILITY TESTING
4	12/07/88		OPERABLE UNITS