DOE F 1320.2
(10-79)

Attachment #1

U.S. DEPARTMENT OF ENERGY

FIELD TASK PROPOSAL/AGREEMENT

1. WORK PACKAGE NUMBER	2. TASK NO.	3. REV. NO.	4. PROJECT NO.	5. DATE PREPARED (mm dd yy)	6. CONTRACTOR NUMBER
		0		01-25-80	

7. TASK TITLE	8. WORK PACKAGE TITLE
Transport of Pollutants from FGD Sludge in Soils	

9. BUDGET AND REPORTING CODE	10. TASK TERM Begin: (mm dd yy)	End: (mm dd yy)	11. CONTRACTOR NAME	12. CODE (See instructions)
		Open	Los Alamos Scientific Laboratory	

13. CONTRACTOR TASK MANAGER (Name: Last, First, MI) (FTS No.)	14. PRINCIPAL INVESTIGATORS (Name. Last, First, MI)
Donald F. Petersen, 843-2690	Lawrence E. Wangen, 843-4896

15. WORK LOCATION (See instructions): Name of facility, City, State, Zip Code	16. Is this task included in the Institutional Plan?	17. Does this task include any management services efforts?
Los Alamos Scientific Laboratory P. O. Box 1663 Los Alamos, New Mexico 87545	☒ YES ☐ NO	☐ YES ☒ NO

18. TASK DESCRIPTION (Approach, relation to work package, in 200 words or less)

The purpose of this research is to determine the capability of natural soils to attenuate inorganic contaminants in FGD sludge and coal ash leachates. This research is to be coordinated with the development of a ground water contaminant transport model, studies on soil attenuation of organic contaminants, and studies on waste and leachate chemistry at other laboratories. The experimental approach is to measure the soil migration rates of various contaminants known to be present at significant concentrations in coal ash leachates using laboratory column methods. Both simulated and actual coal ash leachates will be studied. Soils to be used consist of two model soils components - kaolin and amorphous iron oxide in a medium grain silicate sand matrix, and four real soils. Matrix composition and pH will be varied to investigate the attenuation of acidic and alkaline leachates, and the effects of sulfate on contaminant transport.

19. CONTRACTOR TASK MANAGER

12157

(Signature) (Date)

20. DETAIL ATTACHMENTS (See instructions)

☐ a. Facility Requirements	☒ g. Background	☐ o. Future accomplishments	☒ j. Explanation of milestones
☒ b. Publications	☒ e. Approach	☐ n. Relationships to other projects	☐ k. ZBB Detail
☒ c. Purpose	☒ f. Technical progress	☐ l. Environmental assessment	☒ l. Other (Specify) Capital Equipment

1848 General