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NAS CECIL FIELD, FL
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MINUTES FROM 20 JULY 1995 NATURAL ATTENUATION TELECONFERENCE ON
OPERABLE UNIT 2 (OU 2) SITE 17 NAS CECIL FIELD FL
7/20/1995
ABB ENVIRONMENTAL SERVICES INC

32215-002

04.01.02.0002

MEETING MINUTES

Natural Attenuation Teleconference
Site 17, Operable Unit 2, Naval Air Station Cecil Field
Jacksonville, Florida

Date: July 20, 1995

Time: 1000

Attendees:

Alan Shoultz, Southdiv

Cliff Casey, Southdiv

Frank Chapelle, USGS

Bruce Campbell, USGS

Dirk Brunner, ABB-ES

Al Stodghill, ABB-ES

Bob Lunardini, ABB-ES

Eric Blomberg, ABB-ES

The purpose of the conference call was to bring USGS and the Southdiv technical support up to speed on the status of Site 17 and to get their input on the feasibility of using natural attenuation as the selected groundwater cleanup alternative.

After introductions B.L. gave a brief site history, status in the RI/FS process, and summary of groundwater contaminants.

F.C. suggested we call the alternative intrinsic bioremediation rather than natural attenuation and stress the predictable, quantitative technological aspects of the alternative such as biological degradation rates and aquifer sorption capacity.

When asked if he could support natural attenuation at Site 17 F.C. explained two components are necessary for a highly confident recommendation, probabilistic data and deterministic data. Probabilistic, or historical data, indicate that natural attenuation has a reasonable chance of success at Site 17. For instance, the plume hasn't moved as far as would be expected base on groundwater velocity and there are petroleum contaminants present providing a food source for biological activity. Deterministic data has not been collected to date. Deterministic data include field and laboratory measurements to determine degradation rates, partitioning coefficients, and sorption rates. Using this data in a solute transport model will allow us to predict with the highest confidence the feasibility of natural attenuation at Site 17.

Factoring in the necessity of obtaining a ROD by September 30, 1995 the following action items were developed.

- C.C. will contact FDEP and EPA to arrange a meeting prior to September 30, preferably by August 18.

- F.C. will present intrinsic bioremediation in general (let the regulators know that there is some science behind this alternative).

- B.L. will prepare and present the plan for Site 17 specifically in the form of a 30% design package. F.C. will provide specific details in the package for lab/field/office tasks needed to develop the deterministic rationale.

Meeting adjourned at 1100.

Distribution:

Attendees

Steve Wilson, Southdiv

Rao Angara, ABB-ES

Jack Pittman, ABB-ES

Lynn Sims, Bechtel