

SITE COLLOID POLISHING FILTER METHOD (CPFM) PROJECT MINUTES
June 17, 1992 and July 13, 1992

| <u>NAME:</u> | <u>ORG:</u> | <u>PHONE:</u> | <u>NAME:</u> | <u>ORG:</u> | <u>PHONE:</u> |
|-----------------|-------------|---------------|-----------------|-------------|---------------|
| T. C. Greengard | ER&T | 273-6073 | S. R. Surovchak | DOE | X3551 |
| J. C. Laul | TD | X3254 | J. P. Koffer | ER&T | 273-6069 |
| D. L. Schubbe | RPD | X8709 | S. Howard | DOE | X3040 |
| M. C. Broussard | EOM | X8517 | J. B. Lehr | DOE | X4543 |
| L. C. Medal | RIMD | X8681 | S. R. Grace | DOE | X7199 |
| R. J. Kipper | PROC | X6555 | D. Maur | DOE | X5598 |
| B. D. Peterman | RPD | X8659 | N. Matsura | CDH | 331-4920 |
| J. Reschl | CDH | 331-4803 | S. Schrader | PRC | 295-1101 |
| T. Smith | PRC | 295-1101 | A. Duran | EPA | 294-1080 |
| L. Reck | PRC | 295-1101 | P. Ornstein | EPA | 294-7501 |
| D. Maxwell | EPA | 294-7501 | | | |

There is a Memorandum of Understanding (MOU) between DOE and EPA to cooperate and coordinate on research, development and demonstration (RD&D) activities in the hazardous and mixed waste clean up areas. The RD&D includes assessments, monitoring, treatability studies, field studies, and demonstrations.

The CPFM project is part of the EPA's Superfund Innovative Technology Evaluation (SITE) program under the MOU and managed out of EPA's Cincinnati office with PRC as their subcontractor. This project also comes under the Interagency Agreement (IAG). EG&G has the overall responsibility in terms of evaluating the project's feasibility, regulatory requirements, and operational aspects for on site demonstration. DOE/RFO has strongly supported this effort (see attachment) which has also drawn EG&G's Corporate attention.

The technology under evaluation is the CPFM developed by Filter Flow Technology (formerly TECHTRAN). Bench scale studies performed on site showed promising results - very good removal efficiency for uranium, plutonium, and americium radionuclides in water from interceptor trench pump house (ITPH) #95. Based on these results, EG&G, DOE/RFO, AND EPA recommended continuing activities and performing the field demonstration in the summer of 1992. The site has been changed from the ITPH#95 to the OU4 IM/IRA tank pad area due to redesign of the area. The logistics of procurement, operational, and regulatory aspects still need to be resolved and streamlined.

The following is a list of action items culminating from the June 17 and July 13, 1992 meetings:

1. DOE major concerns, June 17 meeting:
 - a. Since the site has been changed from the ITPH #95 to the OU4 IM/IRA tank pad area (the water is the same), would this change in location impact the existing RCRA Part B permit?
 - b. The current plan is to pump the waste water from the IM/IRA tank and then perform the CPFM experiments through the filter-cake bed. The effluent discharge after treatment (ph adjustment with acid) will be returned to the tank (closed loop experiment). DOE felt that CDH needed to approve the procedure of sending the treated effluent back into the IM/IRA tank.

Action: On July 13 both issues were discussed. CDH and EPA gave approval of the CPFM procedure at the IM/IRA tank, without an impact on the RCRA Part B permit. It was suggested that PRC prepare a draft letter for DOE outlining the experimental details. DOE will send a formal letter to CDH with a copy to EPA asking for approval of these issues.

2. DOE raised the issue of procurement and liability. Who would be responsible if there were any leaks during the experiment, personal injury, disposal of waste or if the equipment was contaminated during the field demonstration, that it could not be taken off site?

Action: This issue was discussed at length. A viable option is that EPA would transfer funds to DOE, and they in turn would instruct EG&G to perform this project to satisfy requirements of the IAG agreement. J. B. Lehr will arrange a meeting between DOE and EPA procurement and legal personnel to resolve the current issues. R. J. Kipper, and L. C. Medal of EG&G will attend all procurement meetings.

3. CDH, EPA, DOE, and EG&G will work out a plan for the CPFM technology from PRC. The work plan will address experimental details and CERCLA issues.

Action: PRC will send a copy of the work plan August 17, 1992 to J. C. Laul. He will then forward copies to EPA, CDH, and DOE for their comments. The response for the comments should be back to J. C. Laul to be forwarded to PRC by October 1, 1992.

4. DOE expressed concerns that there may be a potential disturbance at IM/IRA as a result of this demonstration, which may result in slippage of their IAG deadline. DOE expressed preference that the demonstration take place after the solar ponds are drained, scheduled for November 15, 1992.

Action: In view of other issues that still need to be resolved it is possible that the field demonstration may take place in 1993. The solar ponds drainage schedule is not an issue.

5. DOE needs a commitment from EG&G Engineering group stating they have the resources to work on this project. Sign them up to a schedule, as part of the plant's commitment action/tracking plan system.

Action: EG&G's ER&T group will coordinate this activity and develop a schedule with other plant groups to reassure DOE that they have the resources.

6. PRC needs assistance from DOE/EG&G for preparation of the integrated work control package.

Action: It was decided to wait until PRC submits the work plan. After reviewing this plan preparation will be made to prepare the requisite field plans.

7. PRC submitted a draft Environmental Assessment (EA) of the CPFM proposed demonstration to DOE/RFO for approval. DOE provided 25 comments on the EA. Major and Minor comments. In view of the July 13, 1992 meeting many of these issues in the original comments may not apply due to the proposed change of location.

Action: PRC plans to address the relevant comments to DOE by September 30, 1992.

8. Handling or storing of solid waste was discussed. The current plans are to use three 55-gallon drums. Two will be used for filter cake waste that would be generated during the demonstration. One drum will be used for sampling equipment, trash, and any additional solid waste. It will then be stored on site.

Action: J. C. Laul has already obtained approval from Environmental Operations Management and Waste Operations on waste handling and storing issues.

9. M. C. Broussard wants to see a complete description package of the project. She expressed concern on the solid waste generation and its handling. She has taken over the responsibility from A. J. Saunders.

Action: PRC will send a complete package to M. C. Broussard.

In view of the above regulatory, procurement, and operation logistics that are necessary and will take some time to resolve, it is doubtful that the CPFM field Demonstration will take place until FY 1993.