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# EG&G ROCKY FLATS

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| DIST          | LTR | ENC |
|---------------|-----|-----|
| ETRE, JC      |     |     |
| RLI, GAME, AH |     |     |
| JPP, RD       |     |     |
| OUCHER, DW    |     |     |
| VIS, JG       |     |     |
| ERED, JE      | X   |     |
| RRERA, DW     |     |     |
| RRIS, LR      |     |     |
| AIKOR, PJ     |     |     |
| ANCIS, GE     |     |     |
| COWIN, R      |     |     |
| ALY, TJ       |     |     |
| KER, FH       |     |     |
| VS, JP        |     |     |
| ELE, PB       |     |     |
| RSH, JM       | X   |     |
| BY, WA        |     |     |
| KEBO, JA      |     |     |
| EM            | X   |     |
| JESTIC, JB    |     |     |
| THEWS, TA     |     |     |
| JRRENS, BE    |     |     |
| RGAN, RV      |     |     |
| RTH, P        |     |     |
| MER, LA       |     |     |
| ITER, GL      |     |     |
| ZITO, VM      |     |     |
| CADES, JJ     | X   |     |
| FEELI, BE     |     |     |
| ANSON, ER     |     |     |
| BE, JS        |     |     |
| KINSON, RB    |     |     |
| LIAMS, RE     |     |     |
| SON, JM       |     |     |
| UNG, ER       |     |     |
| NE, JO        |     |     |

EG&G ROCKY FLATS, INC  
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May 15, 1991

91-RF-2680

Duane S Catlett  
Office Manager  
LATO/RFO

## RF POND WATER CHARACTERIZATION AND TREATMENT - JEE-0017-91

Please provide assistance in preparing a Statement of Work and initiating a project requiring Los Alamos' support for the development of a radionuclide treatment for pond water, the radionuclide characterization of pond water, and the radiochemical analysis of pond water. The surface water discharges of RFP (Rocky Flats Plant) are subject to very stringent release criteria as established by the State of Colorado. It is likely that it will be necessary, in the near future, to provide treatment to reduce the already low concentrations of plutonium (Pu) and americium (Am) in the pond waters.

There are no established technologies currently available for treatment, characterization, and analysis of water with very low levels of radionuclides. We are, therefore, investigating new technologies for these applications

A preliminary study was conducted in 1990 by LATO/LANL (Los Alamos Technology Office/Los Alamos National Laboratory) to explore the use of flocculation/coagulation as a removal process for Pu and Am from the Rocky Flats pond waters.

Environmental Management (EM) is desirous of having LANL continue this development work, and also pursue the characterization and radiochemical analysis of the pond waters. EG&G will prepare a purchase requisition and sole source justification, and request an "Integrated Contract Status" for this project. LANL's assistance is requested in finalizing the statement of work which will include the task descriptions, milestones, deliverables, due dates, and funding levels. The deliverables should include monthly status reports and final summary reports for each task. Because of budget requirements, work needs to begin in June 1991.

### CLASSIFICATION

|              |     |   |   |
|--------------|-----|---|---|
| CNI          | dot | X | X |
| UNCLASSIFIED |     | X | X |
| CONFIDENTIAL |     |   |   |
| SECRET       |     |   |   |

The LATO contact for this activity has been Patrick Stanley. The EG&G/CWAD Project Manager for this project is R. J Stevens at extension 7220

AUTHORIZED CLASSIFIER SIGNATURE

*J. E. Evered*  
DATE 5/14/91

J. E. Evered, Director  
Environmental Management

REPLY TO LTR NO

RJS fm

cc.  
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P. M. Stanley, LATO  
J. Rampe, DOE-RFO

APPROVALS  
11  
TE  
SIG & TYPIST INITIALS

