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**DELAY IN OPERABLE UNIT 4 PILOT PLANT CONSTRUCTION AND  
OPERATION**

**11/03/95**

**DOE-0120-96  
DOE-FN        EPAS  
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LETTER**



**Department of Energy**  
 Fernald Environmental Management Project  
 P. O. Box 398705  
 Cincinnati, Ohio 45239-8705  
 (513) 648-3155

NOV 03 1995  
 DOE-0120-96

Mr. James A. Saric, Remedial Project Director  
 U.S. Environmental Protection Agency  
 Region V - 5HSF-5J  
 77 W. Jackson Boulevard  
 Chicago, Illinois 60604-3590

Mr. Tom Schneider, Project Manager  
 Ohio Environmental Protection Agency  
 401 East 5th Street  
 Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

#### **DELAY IN OPERABLE UNIT 4 PILOT PLANT CONSTRUCTION AND OPERATION**

As discussed with you on October 26, 1995, due to the delays in completion of construction of the Vitrification Pilot Plant (VITPP), an evaluation of the overall VITPP schedule and resultant impacts to the Fernald Residues Vitrification Plant (FRVP) was recently undertaken. As a result of this effort and as presented to you on October 26, 1995, enclosed is the Level One schedule for completion of the VITPP as currently projected. The schedule represents a 17 month slip in completion of the pilot plant program from that which was used as the basis for development of the remedial design deliverables.

The schedule slippage is caused primarily by the following:

- Retrofit of the melter into the balance of the plant;
- Late delivery of the melter components and documents;
- Significant underestimation of the time necessary to turnover the Construction Acceptance Test (CAT) packages to Systems Operability Testing (SOT); and
- Decrease in anticipated system operating efficiency based on other vitrification experiences.

No regulatory milestones are in danger of being missed until October of 1996, with submittal of the Phase II Remedial Action Work Plan (RAWP). All existing milestones currently scheduled can be met, including the 15 month criteria, with work that does not

depend on the output of the VITPP. It is the recommendation of the Department of Energy, Fernald Area Office (DOE-FN) that we proceed with final remediation activities on the underground utilities, superstructure, and the new radon treatment system as currently scheduled.

As we agreed on October 26, 1995, once the test data is available from the pilot plant and from mini-melter runs being performed at the Vitreous State Laboratory (VSL), the DOE-FN should have a better estimate on the effect of the pilot plant delay on the full scale facility. At that point, which is anticipated to be during the summer of 1996, the DOE-FN would be in a better position to establish revised regulatory milestone dates for final remediation design and actions. We have discussed the project status with representatives from Fernald Residents for Environment, Safety, and Health (FRESH) and the Fernald Citizens Task Force (CTF). They are in agreement with the path forward.

If you have any questions, please contact Randi Allen at (513) 648-3102, or Nina Akgunduz at (513) 648-3110.

Sincerely,



Johnny W. Reising  
Fernald Remedial Action  
Project Manager

FN:Allen

Enclosure: As Stated

cc w/enc:

K. H. Chaney, EM-423/GTN  
B. Skokan, EM-423/GTN  
G. Jablonowski, USEPA-V, 5HRE-8J  
Manager, TSPP/DERR, OEPA-Columbus  
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T. Hagen, FERMCO/65-2  
AR Coordinator, FERMCO

cc w/o enc:

C. Little, FERMCO  
M. Yates, FERMCO

# OUA PILOT PLANT

<p><b>PHASE I</b> VSL Glass Chemistry</p>	<p>08OCT96 - 12MAR96 07FEB96 - 28FEB96 29FEB96 - 20MAR96 21MAR96 - 13JAN97 ~28AUG96*</p>
<p>Phase I Readiness Assessment</p>	
<p>Bake out of the meller</p>	
<p>Phase I Operations</p>	
<p>Campaign 2 Test Report</p>	
<p><b>PHASE II</b> Phase II Design</p>	<p>18OCT96 - 05FEB96 08FEB96 - 24APR96 25APR96 - 23SEP96</p>
<p>Procure/Fabricate Phase II Hardware</p>	
<p>Phase II Construction during Phase I Operations</p>	<p>14JAN97 - 20JAN97 14JAN97 - 03FEB97</p>
<p>Phase II B Construction</p>	<p>04FEB97 - 03MAR97 04MAR97 - 02APR97</p>
<p>Phase II Readiness/Training</p>	<p>03APR97 - 18OCT97 ~21JUL97*</p>
<p>Phase II DOE ORR</p>	
<p>Phase II Operation</p>	
<p>Campaign 3 Test Report</p>	
<p>Phase II Test Report</p>	<p>20OCT97 - 17NOV97</p>

Project Start: 08OCT96  
 Project Finish: 17NOV97  
 Date Used: 08OCT96  
 Rev Date: 20OCT96

Early Be  
 Progress Be  
 Critical Activity

G Primavera Systems, Inc.

17NOV

FRVP PROJECT  
 VITRIFICATION PILOT PLANT  
 Proposed Baseline Schedule

Status as of 10/20/96 07:00am  
 Date: \_\_\_\_\_  
 Revision: \_\_\_\_\_  
 Checked: \_\_\_\_\_  
 Approved: \_\_\_\_\_