

**3849**

**ADDENDUM TO THE PLANT 6 WORK PLAN TO  
ADDRESS THE TREATMENT OF MOTOR BAY  
SUMP WATER IN THE PLANT 8 VOLATILE  
ORGANIC COMPOUND (VOC) TREATMENT  
SYSTEM**

**10/27/92**

**DOE-0189-93  
DOE-FN/EPA  
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LETTER**



**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

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OCT 27 1992

DOE-0189-93

Mr. James A. Saric, Remedial Project Director  
U.S. Environmental Protection Agency  
Region V - 5HR-12  
230 South Dearborn Street  
Chicago, Illinois 60604

Mr. Graham E. Mitchell, Project Manager  
Ohio Environmental Protection Agency  
40 South Main Street  
Dayton, Ohio 45402

Dear Mr. Saric and Mr. Mitchell:

**ADDENDUM TO THE PLANT 6 WORK PLAN TO ADDRESS THE TREATMENT OF MOTOR BAY SUMP  
WATER IN THE PLANT 8 VOLATILE ORGANIC COMPOUND (VOC) TREATMENT SYSTEM**

Reference: Letter DOE-2234-92, R. E. Tiller to J. A. Saric and G. E. Mitchell, "Treatment of Plant 6 Motor Bay Sump Water in the Plant 8 Volatile Organic Compound (VOC) Treatment System," dated July 31, 1992

Enclosed is an addendum to the Plant 6, Contaminated Perched Water Modified Removal Action Work Plan. The addendum reflects the additional treatment of the waters from the four (4) Plant 6 Motor Bay Sumps in the Plant 8 Volatile Organic Compound (VOC) treatment system (Reference).

Please provide your written concurrence with this plan of action at the earliest possible date.

If you or your staff have any questions, please contact me at FTS/Commercial 513/738-6159, or Pete Yerace at FTS/Commercial 513-738-6178.

Sincerely,

Jack R. Craig  
Fernald Remedial Action  
Project Manager

FN:Yerace

Enclosure: As Stated

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cc w/enc.:

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ENCLOSURE

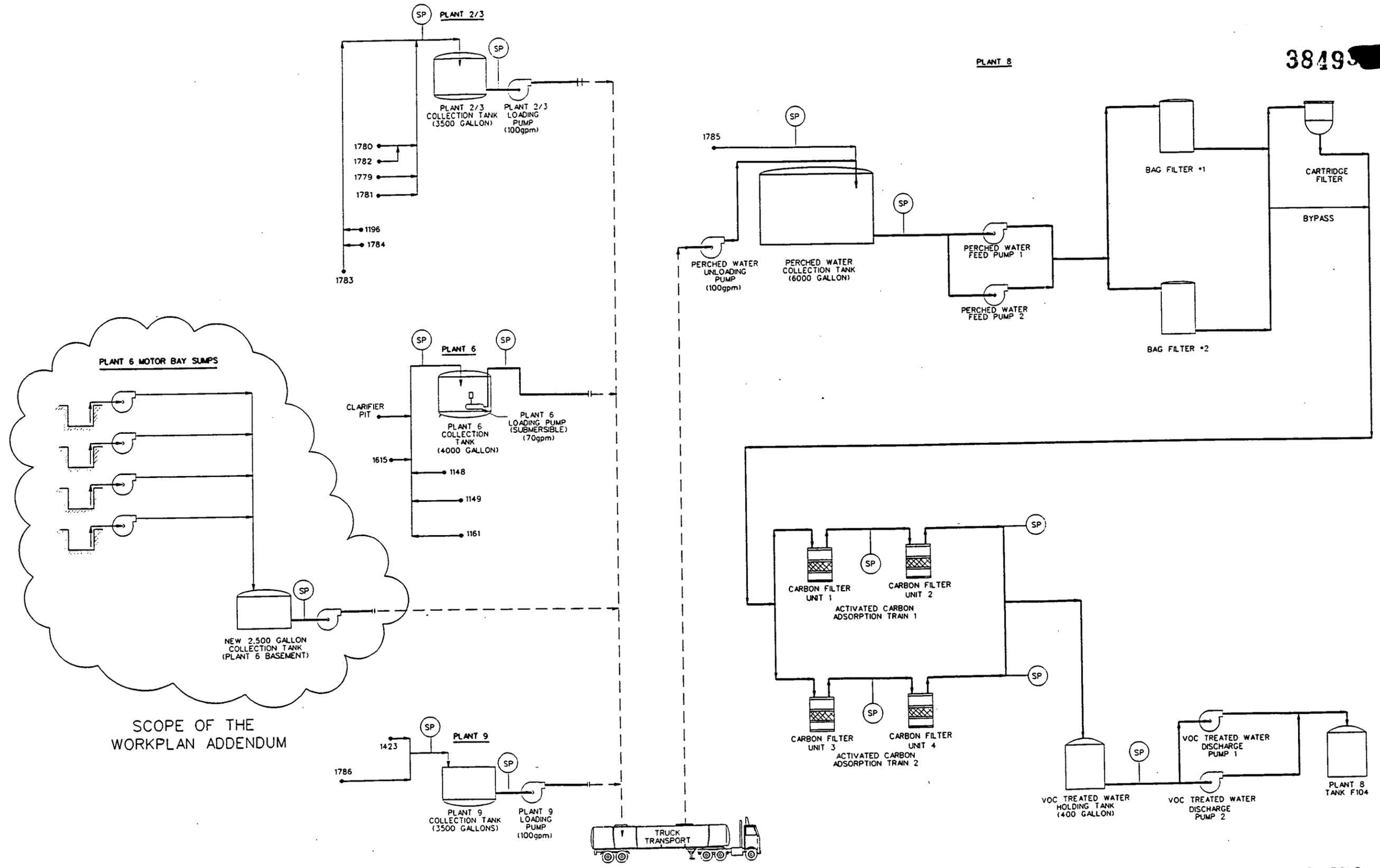
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**ADDENDUM NO. 1 TO THE PLANT 6 CONTAMINATED PERCHED WATER MODIFIED REMOVAL ACTION WORK PLAN**

The four (4) Motor Bay Sumps, located in the basement of Plant 6, collect groundwater seepage through the building foundation. The contents of these sumps were historically pumped directly to the Storm Sewer System. Sampling of the water from the four (4) Motor Bay Sumps revealed the presence of hazardous waste constituents. As a result, discharge to the Storm Sewer System was terminated.

Based on reviews of the contaminants, it was determined that the waters collected in the Motor Bay Sumps are characteristic of the perched water from the Plant 6 Perched Water extraction wells and could be adequately treated in the Plant 8 Volatile Organic Compound (VOC) treatment system.

In order to facilitate the additional pumping and storage required to treat the Plant 6 waters collected in the Motor Bay Sumps, several modifications to the existing system are required. A new storage tank will be installed in the basement of Plant 6 adjacent to the four sumps. The placement of this holding tank in the basement of Plant 6, rather than at grade, will allow the collection system to utilize the existing four Motor Bay Sump pumps. A new unloading pump will be installed to enable emptying of the new storage tank into the existing tanker truck used to transport the perched water to the Plant 8 VOC treatment system. Enclosed is a flow diagram illustrating the incorporation of the additional streams into the existing flow to the Plant 8 VOC treatment system.



SCOPE OF THE WORKPLAN ADDENDUM

PROCESS FLOW DIAGRAM  
PERCHED WATER REMOVAL ACTIONS  
PLANTS 2/3, 6, 8, & 9

SYMBOLS

SP SAMPLE POINT