

Resolution No. 120

WHEREAS, Section G.25 of NPDES Permit No. WA-002496-1 (Attachment III of the Site Certification Agreement) for WPPSS Nuclear Projects Nos. 3 and 5 requires that the permittee obtain Council approval of a Spill Prevention Containment and Counter Measure Plan prior to the onsite storage of oil and hazardous waste materials; and

WHEREAS, the Washington Public Power Supply System by letter on April 15, 1977 did submit an Oil Spill Prevention and Counter Measure Plan to the Energy Facility Site Evaluation Council for its review and approval; and

WHEREAS, the Council on April 25, 1977 gave interim approval to the Supply System to store diesel fuel on the site prior to supplementing the information provided in the letter of April 15, 1977; and

WHEREAS, the Supply System by letter on April 29, 1977 did provide a revised draft Oil Spill Prevention and Counter Measure Plan responding to the Council's request for supplemental information; and

WHEREAS, all submitted information has been reviewed for compliance with requirements of Condition G.25 of the NPDES Permit;

NOW, THEREFORE, BE IT RESOLVED by the Energy Facility Site Evaluation Council that the Oil Spill Prevention and Counter Measure Plan transmitted to the Council by the Supply System's

*Rescinded by Resolution  
No. 142 dated 5-8-78*

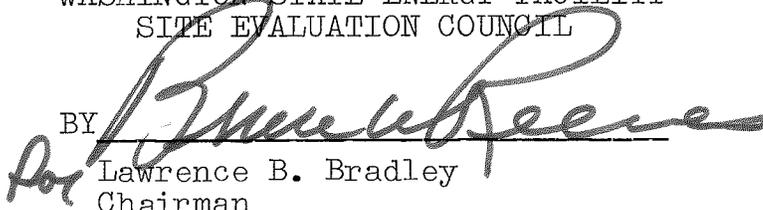
letter of April 29, 1977, and attached hereto as Attachment "A"; is approved in accordance with General Condition G.25 of NPDES Permit No. WA-002496-1 (Attachment III to the Site Certification Agreement) subject to the following conditions:

1. The plan is approved for the duration of the construction activities on the site to minimize the potential for and effect of oil and hazardous material spills.
2. No materials, other than those listed in Item 5.0 of the attached Oil Spill Prevention and Counter Measure Plan, are authorized by this resolution to be stored on the construction job site, and
3. At such time as the applicant desires to store materials different than those found in the proposed plan or in substantially greater quantities, the applicant will supplement this proposed plan.

Dated this 9th day of May 1977.

WASHINGTON STATE ENERGY FACILITY  
SITE EVALUATION COUNCIL

BY

  
Lawrence B. Bradley  
Chairman

ATTEST:

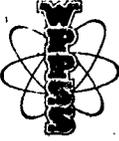
BY

  
Roger Polzin  
Executive Secretary

APPROVES AS TO FORM:

BY

  
Thomas F. Carr  
Assistant Attorney General

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## 1.0 PURPOSE

The purpose of this plan is to establish an oil spill prevention and counter-measure program for construction activities which will incorporate, to the extent specified in the applicable documents, commitments and/or recommendations during construction of the WPPSS Nuclear Projects No. 3 and No. 5. The Plan is directed toward providing control levels consistent with the intent of the relevant portions of governing documents.

This plan describes the preventative facilities which will be installed, the reporting system which will be utilized and the hazardous materials which might be stored at the project site.

## 2.0 REFERENCES

- 2.1 Site Certification Agreement for WPPSS Nuclear Projects No. 3 and No. 5.
- 2.2 40 CFR, Part 112, Oil Pollution Prevention.
- 2.3 EPA Processes, Procedures and Methods to Control Pollution Resulting from all Construction Activity. (EPA-430-9-73-007).
- 2.4 WPPSS Nuclear Projects No. 3 and No. 5 Environmental Protection Control Plan.
- 2.5 Contract 3240-261, Clearing and Grubbing and Stage I Erosion Control, including plans and specifications.
- 2.6 Contract 3240-205, Plant Area Grading, Drainage, Excavation, East Access Road Construction and Access Railroad Grading, including the following technical specifications:
  - 2.6.1 Specification 3240-406, Excavation, Backfill, Filling and Grading.
  - 2.6.2 Specification 3240-408, Drainage.
  - 2.6.3 Specification 3240-441, Erosion and Sedimentation Control.
- 2.7 Contract 3240-209, Supply and Delivery of Concrete.
- 2.8 Limited Work Authorization for WPPSS 3 and 5, Docket Nos. STN 50-508, 509.

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### 3.0 PREVENTIVE FACILITIES

#### 3.1 Construction Facilities Plan

The overall construction facilities plans for Washington Public Power Supply System Nuclear Units No. 3 and No. 5 are such that if any oil spills should occur, the oil will be contained within the construction boundaries without reaching tributaries to the Chehalis River.

See Attachment No. 1 showing plant site facilities with the locations of maintenance yards and fuel storage areas bounded by the Site Erosion Control Ditches and Ponds.

##### 3.1.1 Drainage Ditches and Retention Ponds

The entire plant construction area will be outlined with a system of drainage ditches that will collect any oil spill runoff and route the oil to Equalization and Settling Ponds located at the north end of the construction project. These ponds are constructed in a manner that would allow oil to be retained without discharge until measures are taken to eliminate the source of the spill and remove the oil from the ponds. The effluent from these ponds will be checked on a regular basis for any discharge of oil or any other undesirable materials or liquids.

The Equalization Pond will have a permanent floating oil containment boom installed to trap any oil which may be transmitted by the drainage ditches to the pond area. Sorbant material stored on site will be used to retrieve any oil as contained by the boom. The pond will be regularly monitored for presence of oil and other floating debris.

The plant site Erosion Control Ditch System will provide a means for intercepting any oil spilled within the main Project Area, and preventing the oil from contaminating any streams by providing a number of locations for removal of the spilled oil, (along the ditches and in the Equalization Pond, etc.)

##### 3.1.2 Construction Requirements

Emergency oil spill clean up kits, which can be easily transported by a pick-up truck, will be located on site at various locations. A supply of oil sorbant materials (booms, pads, etc.) will be stored on or near the site and will be made available to Contractors for cleaning up minor spills as needed.

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### 3.0 PREVENTIVE FACILITIES (continued)

#### 3.1 Construction Facilities Plan (continued)

##### 3.1.2 (continued)

All Contractors will be required to adhere to specification provisions which will reduce the possibility of oil spill occurrences. Some of these requirements are:

- (a) Liquid wastes such as chemicals, fuels or lubricants will be collected into tanks or other suitable containers for salvage or disposal off-site.
- (b) Storage of liquids will be on level curbed storage pads, away from the proximity of natural water courses to minimize spill accidents into natural water courses, or alternately on level storage areas surrounded by a berm or dike to contain any possible spill. Where berms or dikes are used they will be designed in such a way as to permit rain water to be drained from the area inside the berm or dike without discharging any oil with the water.
- (c) Contractors will have designated maintenance areas for major equipment maintenance other than approved field servicing.
- (d) Commercial curing compounds will be controlled against spillage or washing into natural streams.
- (e) Contractors will be required to maintain all traveling equipment so as to minimize oil, grease and hydraulic fluid leakage.

##### 3.1.3 Fuel Storage Areas

All Contractors will be instructed to store materials for maintenance in designated areas so as not to spread oil spill hazards to more than one location. These areas will be well lit so any oil spillage or leakage can be easily detected after dark. The oil and fuel storage area will be one of the check points included in the security guard patrol route.

Above-ground fuel and oil storage tanks will be inspected on a regular basis to check for leaks.

See Attachments No. 2 and 3 showing typical plans and details for fuel storage facilities. These facilities will be located in the

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3.0 PREVENTIVE FACILITIES (continued)

3.1 Construction Facilities Plan (continued)

3.1.3 Fuel Storage Areas (continued)

assigned Contractor maintenance areas which are contained within the Erosion Control System. Lubricating oils and hydraulic oils will be stored in bulk tanks and/or 55 gal. barrels which will be contained within bermed or diked areas, similar to the typical fuel tank details.

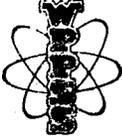
The diked or bermed areas will have a system to drain and separate the oil and storm water. These systems may be similar, but not be limited to, one of the following:

- (1) Removing the oil from the storm water with sorbant materials such as booms or pads and then pumping or draining the water from the diked area.
- (2) Removing the oil from the storm water with valves similar to Dow Imbiber Bead Valves installed in the drain lines of the bermed area.
- (3) Removing the oil from the storm water with filters similar to Imbiber Bead Beds installed in the drain lines to the bermed area.
- (4) Removing the oil from the storm water with filters similar to an Oil-Mop Coalescing Filter System.
- (5) Removing the oil from the storm water with an oil/water separator installed in the drain line similar to the Precast Concrete Unit made by Utility Vault Co. No. 66Q-SA.

All fuel and oil storage sites will be located on the plant site within the boundaries of the Erosion Control System.

3.1.4 Additional Contractor Requirements

- 3.1.4.1 In addition to the aforementioned items, Contractors are required to submit Facility Plans including plans for fuel storage at the jobsite for review by the Owner and Engineer. During review of these plans, Ebasco will encourage Contractors to provide implementation procedures and adequate facilities for oil spill prevention.

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3.0 PREVENTIVE FACILITIES (continued)

3.1 Construction Facilities Plan (continued)

3.1.4 Additional Contractor Requirements (continued)

3.1.4.2 All oil and fuel wastes shall be collected into leakproof containers for salvage, or offsite disposal.

The Contractor shall be fully responsible for handling and proper safe offsite disposal of all liquid wastes and shall be liable for all damages resulting from that method of disposal.

3.1.4.3 The Contractor shall be responsible for transporting and delivery of all liquid wastes to various salvage firms for reprocessing or to approved facilities or sites for wasting. He shall be fully responsible for obtaining any and all permits that may be required for wasting of oils, lubricants, fuels and chemicals.

3.1.4.4 The Contractor will be encouraged to use new equipment and fixtures for his fueling and maintenance operations. These may include items such as quick couple nozzles for fueling, suction pumps for draining oil, drip pans for changing oil filters, waste receptacles for oil and filters, etc., on service trucks. The Contractors equipment maintenance operations will be monitored by the Engineer to ensure that careful fueling and servicing methods are followed and to ensure the equipment for servicing works properly. The Contractors will be required to carry a supply of oil sorbant material on their service vehicles.

3.1.4.5 Contractors will not be allowed to park their maintenance service vehicles, when not in use, outside of their maintenance yards. All equipment working in the vicinity of creeks will be moved to an area where any leakage or spillage can be contained or controlled from entering the streams during servicing and fueling operations.

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#### 4.0 OIL SPILL NOTIFICATION

##### 4.1 Responsibilities

##### 4.1.1 Contractor's Responsibilities

Any person discovering an oil spill, oil leakage or construction activity where such a hazard is likely to occur, will immediately notify his supervisor who will start preparations to contain the spill to the smallest area possible.

As soon as possible, after implementation of adequate countermeasures, the supervisor shall notify the Engineer's representatives, as described below.

Notification of one Ebasco staff member from the list below satisfies the notification requirement of this procedure and allows the supervisor to devote full effort to containment. If no contact is made from the Ebasco phone list then the appropriate WPPSS Site Supervisory Personnel are to be notified.

##### EBASCO - Ebasco Services Incorporated:

T. W. Pack, Environmental Engineer	206-495-3875
C. B. Tatum, Resident Engineer	206-456-5641
M. G. Vinson, Construction Superintendent	206-352-3964
R. M. Kraft, Project Superintendent	206-943-3045

##### WPPSS - Washington Public Power Supply System:

a) Site Manager	509-946-1611
b) Assistant Construction Superintendent - (J. E. Woolsey)	206-842-4222
c) Environmental Engineer - (G. S. Jeane)	509-946-1611 or 509-967-2007 (after hours)

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4.0 OIL SPILL NOTIFICATION (continued)

4.1 Responsibilities (continued)

4.1.1 Contractor's Responsibilities (continued)

Contractors shall cleanup and dispose of all oil contamination, regardless of the size of the leakage or spill.

4.1.2 Engineer's Responsibilities

The Engineer's Environmental Engineer or designated representative of the Engineer, whose telephone numbers are listed in Section 4.1.1 and will be posted in an appropriate place, will be contacted as soon as possible either in person, if at the jobsite, or by telephone. A full report of the incident will be given to him at that time. The Engineer's Representative notified will inspect the area of the spill and direct cleanup operations. The Engineer's Representative will contact the WPPSS Site Manager and Environmental Engineer. If the Engineer is unable to contact these WPPSS personnel, he will contact the WPPSS Senior Construction Engineer or Site Representative. Details of the incident will be given to the WPPSS person contacted and a written report will follow within 24 hours. WPPSS will notify as required, all State and Federal agencies to be contacted and inform them of the size of spill and the measures underway to contain and cleanup the spill.

4.1.3 Onshore Spills

All onshore oil spills in excess of fifty (50) gallons will be reported to the appropriate State and Federal agencies.

4.1.4 Water-way Contamination

If there is any possible chance that the oil spill, regardless of size, will contaminate any water-way that will eventually reach the Chehalis River, the United States Coast Guard will be alerted of the situation and information concerning the area and type of material spilled submitted.

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4.0 OIL SPILL NOTIFICATION (continued)

4.1 Responsibilities (continued)

4.1.5 Officials to be Notified

If none of the above WPPSS officials can be contacted, the Engineer will immediately notify one of the following agencies in the order listed:

- 1) U. S. Coast Guard 206-442-1263 or  
206-442-1200 (after hours)
- 2) Department of Ecology 206-753-2353

5.0 HAZARDOUS MATERIALS

5.1 Fuels, Oils and Other Hazardous Materials to be Stored

Following is a list of hazardous materials that might be stored at the construction jobsite.

- (a) Gasoline
- (b) Fuel Oil
- (c) Hydraulic Fluids
- (d) Motor Oil
- (e) Diesel Fuel
- (f) Gear Oil
- (g) Lube Oil
- (h) Cleaning Solvents
- (i) Transformer Oils
- (j) Detergents
- (k) Paints
- (l) Concrete Curing Compound

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5.0 HAZARDOUS MATERIALS (continued)

5.2 Storage of Hazardous Materials

Storage of hazardous construction materials such as paint and oils will be controlled by Contractor's methods and in areas designated for the storage of such items. Review of Contractor's methods for storage of such materials will be reviewed and accepted by Owner and Engineer before such materials are stored. These methods for storage will be similar to those used for storage of fuel, and may include; isolated storage sheds, bulk tanks, etc., which are built to contain any leakage or spill of the stored material and to prevent the spill from being mixed with storm water or entering any streams.

5.3 Schedule for Storage of Fuels and Oils

Following is an estimated list of the quantities of fuel and oils that will be stored on the site at any one time during construction of the Project.

Project Years	ESTIMATED QUANTITIES OF ON-SITE STORAGE OF PETROLIUM (in gals.)		
	Diesel	Gasoline	Oils
1977	36,000	5,000	20,000
1978	35,000	7,000	20,000
1979	10,000	2,000	1,000
1980	2,000	2,000	600
1981	2,000	2,000	600
1982	2,000	2,000	600
1983	2,000	2,000	600
1984	2,000	2,000	600
1985	2,000	2,000	600

5.4 Temporary Storage of Fuels

During the preliminary stages of construction, fuel will be stored at different locations on the site but within the boundaries of the Erosion Control System. Sketch No. 1 shows the locations of the temporary fuel storage. The Permanent Fuel Storage Areas will be built when the earth fill has been completed for the site areas involved. These permanent facilities will also be contained within the boundaries of the Erosion Control System.

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## 6.0 CLEANUP AGENCIES

The following is a list of oil cleanup agencies which can be utilized for cleanup purposes, should the need arise. The response time from their home base to the Project Site is also noted.

- (a) **Crowley Environmental Services**  
 24 hour response:  
 Seattle (206) 632-4898  
 Portland (503) 283-1244

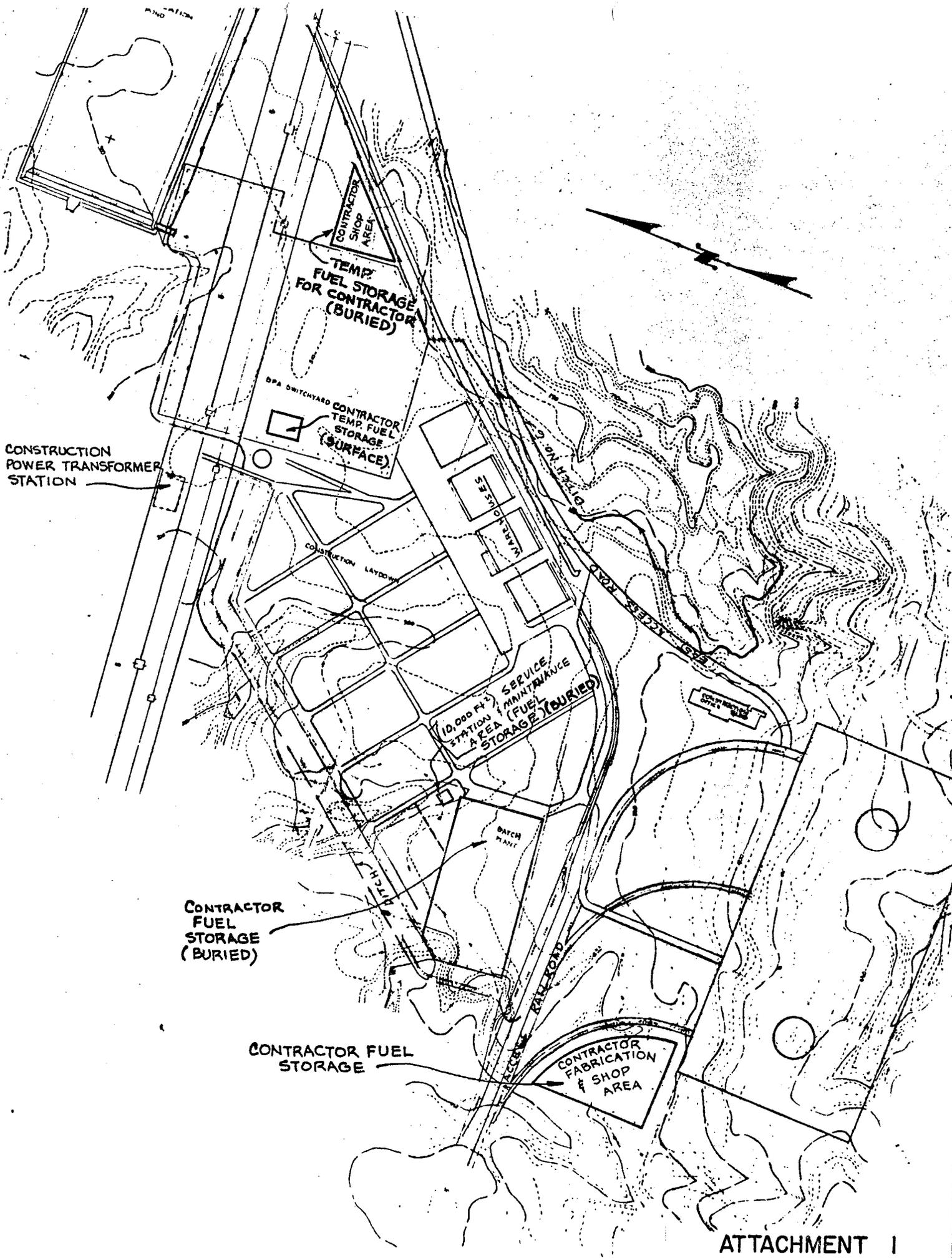
Response time from time of call:  
 Seattle or Portland (100 mile distance) - 2 hours

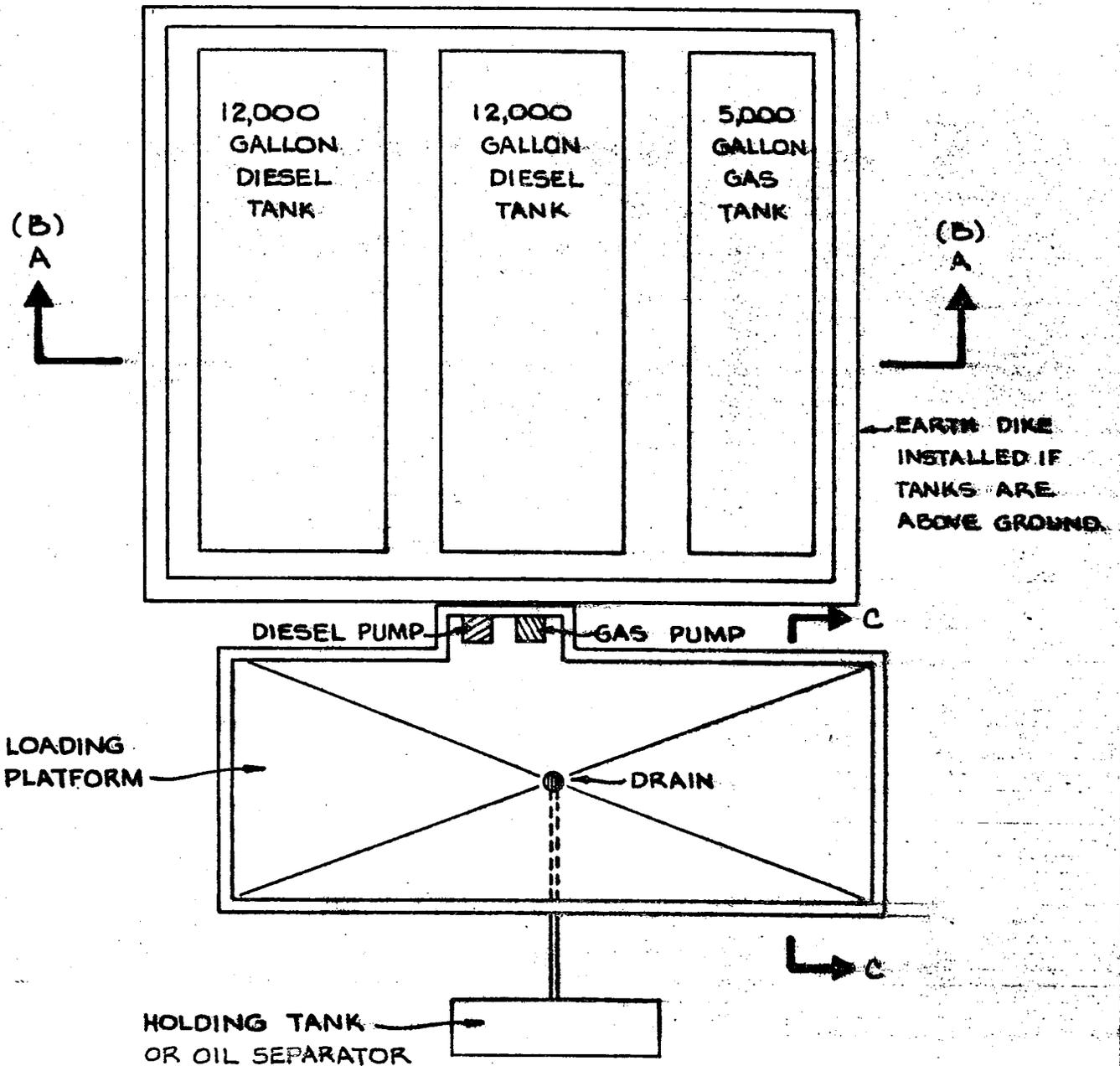
- (b) **Western Environmental Services**  
 24 hour response:  
 Portland (503) 283-5600 HOT LINE  
 Equipment and man enroute within one hour.  
 On scene in less than 5 hours within 1000 miles of home base.

Response time to plant site from Portland - 2 to 3 hours

(c) **Other agencies:**

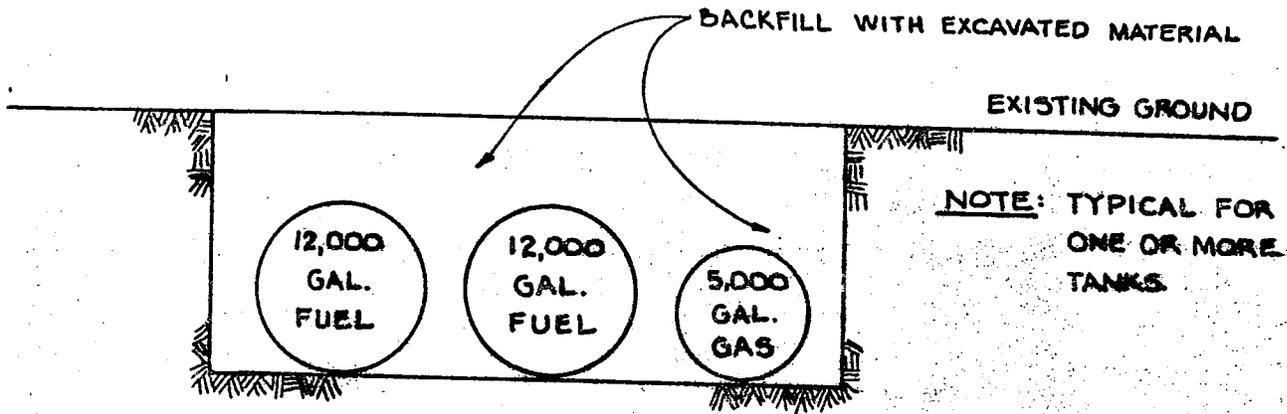
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|---|----------------|
| (1) Foss Launch and Tug Co., Seattle    | (206) 285-0150 |
| (2) Envirosorb Co., Edmonds             | (206) 778-7485 |
| (3) Washington Tug & Barge, Seattle     | (206) 622-3340 |
| (4) D. S. Petroleum Specialists, Tacoma | (206) 927-7731 |
| (5) Pac Mar Services, Seattle           | (206) 622-3400 |
| (6) Alham and Hubble, Hoquiam           | (206) 532-2723 |





TYP. PLAN - LOADING PLATFORM

NOT TO SCALE

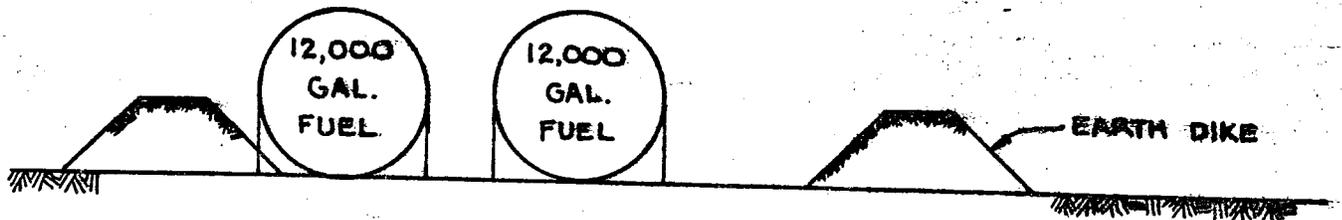


**SECTION A-A**

TYP. FUEL TANK SETUP WITH BURIED TANKS  
NOT TO SCALE

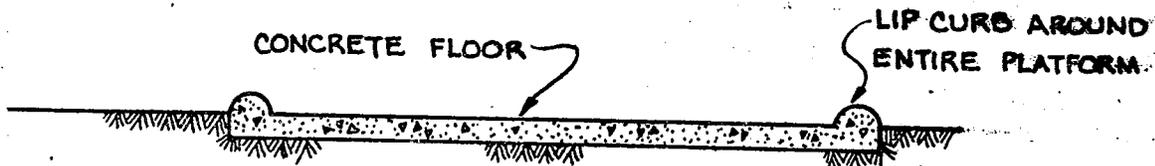
**NOTES:**

1. TYPICAL FOR ONE OR MORE TANKS.
2. EARTH DIKE WILL BE SIZED TO CONTAIN THE CAPACITY OF THE TANKS.
3. DIKES TO BE DRAINED BY METHODS DESCRIBED TO SEPARATE OIL FROM WATER.



**SECTION B-B**

TYP. FUEL TANK SETUP WITH TANKS ABOVE GROUND  
NOT TO SCALE



**SECTION C-C**

TYP. LOADING PLATFORM  
NOT TO SCALE