



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

March 29, 1993



Mr. James D. Bauer  
U.S. Department of Energy  
P.O. Box 550  
Richland, Washington 99352

Dear Mr. Bauer:

Re: Eighty Percent Design Submission, Project W049-H NOD Response  
Table, M-17-08

Here is our answer to your letter 93-LWB-048, submitting a reply to your Notice of  
Deficiency (NOD) Response Table.

If you have any questions about this letter, please call me at (206) 438-7558.

Sincerely,

Gary Anderson, P.E.  
Nuclear and Mixed Waste Management



GA:dr  
Enclosure

cc: ~~██████████~~ WHC  
Dan Duncan, EPA  
Robert Hiegel, DOE  
Rick Oldham, WHC



## NOTICE OF DEFICIENCIES

### Project W-049H 80 Percent Design Submission

**Comment 1.** Section 01019 allows the contractor to open a materials pit and mine stony materials for use on the project. Section 01065 lists the permits that the owner will obtain for the contractor. These sections do not mention that a permit is required under state law for mining gravel and sand.

**DOE Response:** The State Legislature has authorized the Department of Natural Resources to develop and implement a program for permitting the extraction of resources from, and reclamation of, disturbed land, excluding those applicable to federal lands. The specific exclusion of federal land was confirmed by the regional office of the Bureau of Land Management. Project W-049H will use aggregate from one or more of the open pits on the Hanford Reservation which are under the jurisdiction of the U.S. Department of Energy, Richland Field Office (RL).

**Ecology Response:** Ecology concurs with the DOE-WHC/RL response.

**Comment 2.** Section 01100 should make it plain that equipment maintenance fluids (fuel, waste lubricating oils, engine coolant, hydraulic fluid etc. will probably constitute the largest portion of hazardous materials found during construction. A clear plan as to how these materials are handled during routine maintenance, field repairs and refueling operations should be required in this section.

**Response:** Section 1100 will be expanded to stress the importance of the proper handling of hazardous materials and provide instructions as to proper handling procedures.

**Ecology Response:** Please submit this plan to Ecology for approval.

**Comment 3:** Section 01310 should list environmental activities as one or more separate bid items. As incidental items they will be the first things neglected or poorly done when profits get small.

**Response:** The collection system of Project W-049H will be bid on a lump sum basis. The establishing of separate bid items for environmental activities is therefore not feasible. There will be, however, close oversight by RL, Westinghouse Hanford Company, and Kaiser Engineers Hanford (KEH) of all environmental requirements that are in the contract documents to ensure full contractor requirements.

**Comment 4:** Section 02650 should go into more detail as to pressure testing procedures. How large a section of pipe will be isolated at one time for testing? The static pressure variation from high point to low point on the transfer line will be 72 psi.

**Response:** In Section 02650, additional detail regarding pressure testing procedures is being added.

**Ecology Response:** Please submit to Ecology for approval.

**Comment 5:** On layout plans, it would be much easier to understand the system if each contributing facility were shown by name in addition to building number. This is done on the P&ID drawings and could easily be done on the layouts.

**Response:** On layout plans, the names of the contributing facilities will be added, in addition to the building numbers.

**Ecology Response:** Ecology concurs with the DOE-WHC/RL response.

**Comment 6:** The proposed new laundry is gone. It should be removed from these plans.

**Response:** The laundry has been removed from the plans.

**Ecology Response:** Ecology concurs with the DOE-WHC/RL response.

**Comment 7:** The definite article is a useful part of the English language. While I understand that the omission of the definite article was/is a fad in the CSI, it makes the text of those specifications where it is omitted hard to read and unclear.

**Response:** The text of the specification will be reviewed with respect to use of the definite article, and the article inserted where necessary to ensure clarity.

**Ecology Response:** Ecology concurs with DOE-WHC/RL response.

**Comment 8:** Section 02512. No strength or stability is specified for the hot mix asphaltic concrete that I can see.

**Response:** In Section 02512, strength and stability of hot mix asphaltic concrete will be governed by WDOT requirements, which will be part of content.

**Ecology Response:** Ecology concurs with the DOE-WHC/RL response.

**Comment 9:** There seems to be clusters of air relief valves in some places and long stretches between them in other places. What is the rationale?

**Response:** Locations of air relief valves have been established based on hydraulic characteristics of the collection system, and are dependent on flow characteristics and pipeline pressures.

**Ecology Response:** Ecology concurs with DOE-WHC/RL response.

**Comment 10:** Most cities, railroads, and counties nowadays required casing pipe under paved roads and railway lines. It is easier to repair breaks in the pipe, it is stronger, and it leaves the roadway in better shape. I recommend it.

**Response:** It is agreed that it is desirable to install pipe casings under paved roads and railway lines. It is planned to accomplish this under a small, separate construction contract prior to the start of work on the principal contract.

**Ecology Response:** Ecology concurs with the DOE-WHC/RL response.

#### Plans:

On layout plans, it would be much easier to understand the system if each contributing facility were shown by name in addition to building number. This is done on the P&ID drawings and could easily be done on the layouts.

The proposed new laundry is gone. It should be removed from these plans.

#### GENERAL COMMENTS:

The definite article is a useful part of the english language. While I understand that the omission of the definite article was is a fad in the CSI, it makes the text of those specifications where it is omitted hard to read and unclear.

#### Specifications:

Section 02512. No strength or stability is specified for the hot mix asphaltic concrete that I can see.

There seem to be clusters of air relief valves in some places and long stretches between them in other places. What is the rationale?

Most cities, railroads and counties nowadays require casing pipe under paved roads and railway lines. It is easier to repair breaks in the pipe, it is stronger, and it leaves the roadway in better shape. I recommend it.

# CORRESPONDENCE DISTRIBUTION COVERSHEET

\*Reissue

Author: G. Anderson, Ecology      Addressee: J. D. Bauer, RL      Correspondence No.: Incoming: 9302910

Subject: EIGHTY PERCENT DESIGN SUBMISSION, PROJECT W049-H NOD RESPONSE TABLE, M-17-08

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		T. B. Veneziano, Assignee		X
		EDMC	H6-08	X



\*Reissue on 5/12/93 to show GW Jackson as the correct Assignee.  
(Per Veneziano's office)

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