



Department of Energy  
Richland Field Office  
P.O. Box 550  
Richland, Washington 99352

MAR 11 1993

93-LWB-048

Mr. Paul T. Day  
Hanford Project Manager  
U.S. Environmental Protection Agency  
712 Swift Boulevard, Suite 5  
Richland, Washington 99352

Mr. David B. Jansen, P.E.  
Hanford Project Manager  
State of Washington  
Department of Ecology  
P.O. Box 47600  
Olympia, Washington 98504-7600



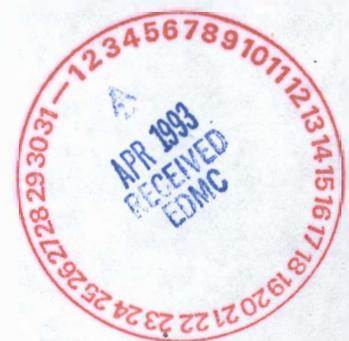
Dear Messrs. Day and Jansen:

RESPONSES TO ECOLOGY COMMENTS ON THE EIGHTY PERCENT DESIGN REPORT FOR THE 200 AREA TREATED EFFLUENT DISPOSAL FACILITY COLLECTION SYSTEM (PROJECT W-049H)

Reference: Letter, G. Anderson, Ecology, to J. D. Bauer, RL, "W-049H Plans and Specifications, M-17-08," dated January 6, 1993. *26146*

Ecology recently completed its review of the eighty percent design report covering the 200 Area Treated Effluent Disposal Facility Collection System and provided comments via the referenced letter. Responses to these comments have been prepared and are enclosed for your review. It is noted that in the referenced letter, comments 1-6 were considered to be mandatory from a regulatory standpoint, comments 7-10 to be general in nature and not mandatory.

The specification and drawing changes referred to in the responses are being incorporated into the design documents. A copy of the final specification and drawings, will be furnished to you after these documents have been finalized and are ready for issue.



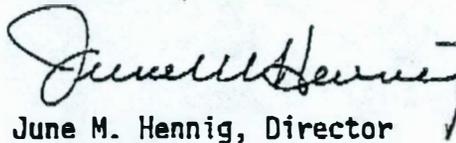
Messrs. Day and Jansen  
93-LWB-048

-2-

MAR 11 1993

Should you have any questions, please contact Lance S. Mamiya of my staff on (509) 376-1471.

Sincerely,



June M. Hennig, Director  
Waste Management Division

LWD:LSM

Enclosure

- cc w/encl:
- G. Anderson, Ecology
- M. Jaraysi, Ecology
- M. Selby, Ecology
- D. R. Sherwood, EPA
- R. E. Lerch, WHC
- R. W. Oldham, WHC
- J. E. Thrasher, WHC
- B. A. Austin, WHC



**Enclosure**

**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.

**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 lands was confirmed by the regional office of the Bureau of Land Management. Project W-049H will use aggregate from one or more of the existing open pits on the Hanford Reservation which are under jurisdiction of the U.S. Department of Energy, Richland Field Office (RL).

**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 01100 will be expanded to stress the importance of the proper handling of hazardous materials and provide instructions as to proper handling procedures.

**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 (WHC), and Kaiser Engineers Hanford (KEH), of all environmental requirements that are in the contract documents to insure full contractor compliance.

**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.

**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.

-2-

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

Response: The laundry has been removed from the plans.

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.

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.

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.

Comment 10: 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.

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.

