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Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

DEC 19 1994

94-LWB-077

Ms. M. A. Selby, P.E.
Nuclear Waste Program
Washington State
Department of Ecology
1315 West 4th Avenue
Kennewick, Washington 99336

Dear Ms. Selby:

OPERATIONS AND MAINTENANCE MANUALS FOR THE 200 AREA EFFLUENT TREATMENT FACILITY (PROJECT C-018H) AND THE 200 AREA TREATED EFFLUENT DISPOSAL FACILITY (PROJECT W-049H)

In the letter from M. A. Selby, Washington State Department of Ecology, to Mr. J. D. Bauer, U.S. Department of Energy, Richland Operations Office (RL), same subject, dated March 10, 1994, you indicated that Ecology would not require submittal of controlled copies of all operations and maintenance manuals for the wastewater treatment facilities per WAC 173-240-150 provided that a set of conditions were met. Those conditions are listed and addressed in Attachment 1. 35193

Attachment 2 provides a table which lists the WAC 173-240-150 requirement and applicable documents that support the 200 Area Effluent Treatment Facility and the 200 Area Treated Effluent Disposal Facility in which this information can be found.

Please direct comments regarding the operations and maintenance manual information provided for the 200 Area Liquid Effluent Facilities to Mr. R. A. Quintero of my staff on 373-0421 or to Mr. D. L. Flyckt of the Westinghouse Hanford Company on 372-3142.

Sincerely,


June M. Hennig, Director
Waste Programs Division

Attachments

- cc: J. A. Chance, Ecology
- D. L. Flyckt, WHC
- J. J. Luke, WHC
- D. R. Sherwood, EPA



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Response to Ecology comments regarding the 200 Area Effluent Treatment Facilities Operations and Maintenance Manuals.

- "All necessary operations and maintenance manuals are to be kept at the facility. These copies are to be controlled copies so they are always current. These manuals must include all the required elements listed in WAC 173-240-150".

Response: All necessary operations and maintenance materials will be kept at the facility. These will be controlled copies and include all the required elements in WAC 173-240-150.

- "A list must be submitted to Ecology that clearly identifies the documents and sections that contain all the information required by WAC 173-240-150. This list must be kept current".

Response: Attachment 2 provides a table which lists the WAC 173-240-150 required information and the applicable documents which support the 200 Area ETF and the 200 Area TEDF in which this information can be found. The table will be reviewed on an annual basis and the review will be confirmed by letter to Ecology. Any changes to the referenced documents will require the submittal of a revised table to the Washington State Department of Ecology.

- "A list of responsible individuals and their phone numbers required by WAC 173-240-150(2)(a) must be provided and kept current".

Response: This item is referenced in Attachment 2 (a) below and will be provided as an attachment upon completion.

- "The portions of the documents that are listed as meeting the requirements of WAC 173-240-150 must be cleared for public release. DOE must make these documents available to the public upon request".

Response: All documents listed below as meeting the requirements of WAC 173-240-150(2) will be approved for public release and available to the public, upon request.

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Documents and Sections containing the required material per WAC 173-240-150 for projects C-018H and W-049H				
The operation and maintenance manual shall include the following list of topics (WAC 173-240-150(2)):				
	C-018H		W-049H	
	DOCUMENT	SECTION	DOCUMENT	SECTION
a) The names and phone numbers of the responsible individuals.	Building Emergency Plan (WHC-IP-0263-LEF)	13	Building Emergency Plan (WHC-IP-0263-LEF)	13
b) A description of plant type, flow pattern, operation and efficiency expected.	Hanford Facility Dangerous Waste Permit Application, 200 Area ETF (DOE/RL-93-03)	2	State Waste Discharge Permit Application, 200 Area TEDF (DOE/RL-94-29)	Appendix B & C
	Functional Design Criteria (WHC-SD-C018H-FDC-001)	Appendix B		
c) The principal design criteria.	Functional Design Criteria (WHC-SD-C018H-FDC-001)	As Applicable	Functional Design Criteria (WHC-SD-W049H-FDC-001)	As Applicable
			Functional Design Criteria (WHC-SD-W291-FDC-001)	As Applicable
d) A process description of each plant unit, including function, relationship to other plant units, and schematic diagrams.	Hanford Facility Dangerous Waste Permit Application, 200 Area ETF (DOE/RL-93-03)	4.1 Figure 4-3	State Waste Discharge Permit Application, 200 Area TEDF (DOE/RL-94-29)	Appendix C Appendix D Figure D.3-1
e) Explanation of the operational objectives for the various wastewater parameters, i.e. sludge age, settleability, etc.	Operating Specifications for the 200 Area Effluent Treatment Facility (Draft)	5 & 6	State Waste Discharge Permit Application, 200 Area TEDF (DOE/RL-94-29)	Appendix C

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Documents and Sections containing the required material per WAC 173-240-150 for projects C-018H and W-049H				
	C-018H		W-049H	
	DOCUMENT	SECTION	DOCUMENT	SECTION
f) A discussion of the detailed operation of each unit and description of various controls, recommended settings, fail-safe features, etc.	Operating Specifications for the 200 Area Effluent Treatment Facility (Draft)	5 & 6	State Waste Discharge Permit Application, 200 Area TEDF (DOE/RL-94-29)	Appendix C
	Vendor supplied information, to be catalogued at the facility	NA		
g) A discussion of how the facilities are to be operated during anticipated startups and shutdowns, maintenance procedures, and less than design loading conditions, so as to maintain efficient treatment.	Vendor supplied information, to be catalogued at the facility	NA	State Waste Discharge Permit Application, 200 Area TEDF (DOE/RL-94-29)	Appendix C
			Interface Control Document (WHC-SD-W049-ICD-001)	As Applicable
h) A section on laboratory procedures including sampling techniques, monitoring requirements, and sample analysis.	Sample Analysis Plan/Schedule (Draft)	TBD	Sample Analysis Plan/Schedule (Draft)	TBD
	Quality Assurance Program Plan (Draft)	TBD	Quality Assurance Program Plan (Draft)	TBD

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Documents and Sections containing the required material per WAC 173-240-150 for projects C-018H and W-049H				
	C-018H		W-049H	
	DOCUMENT	SECTION	DOCUMENT	SECTION
i) Recordkeeping procedures and sample forms to be used.	<ul style="list-style-type: none"> ●WHC-CM-3-5 Document Control & Records Management Manual ●WHC-CM-4-2 Quality Assurance Manual ●WHC-CM-7-5 Environmental Compliance 	<ul style="list-style-type: none"> As Applicable 17 5.7 	<ul style="list-style-type: none"> ●WHC-CM-3-5 Document Control & Records Management Manual ●WHC-CM-4-2 Quality Assurance Manual ●WHC-CM-7-5 Environmental Compliance 	<ul style="list-style-type: none"> As Applicable 17 5.7
j) A maintenance schedule incorporating manufacturer's recommendations, preventative maintenance and housekeeping schedules, and special tools and equipment usage.	Final Safety Analysis Report (WHC-SD-ETF-SAR-001)	19	Vendor supplied information, to be catalogued at the facility	NA
	Vendor supplied information, to be catalogued at the facility	NA		

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Documents and Sections containing the required material per WAC 173-240-150 for projects C-018H and W-049H				
	C-018H		W-049H	
	DOCUMENT	SECTION	DOCUMENT	SECTION
k) A section on safety.	Final Safety Analysis Report (WHC-SD-ETF-SAR-001) • WHC-CM-4-3 Industrial Safety Manual • WHC-CM-4-40 Industrial Hygiene Manual • WHC-CM-4-41 Fire Protection Program Manual • WHC-CM-4-46 Nonreactor Facility Safety Analysis Manual	17 As Applicable	• WHC-CM-4-3 Industrial Safety Manual • WHC-CM-4-40 Industrial Hygiene Manual • WHC-CM-4-41 Fire Protection Program Manual • WHC-CM-4-46 Nonreactor Facility Safety Analysis Manual	As Applicable
l) A section containing the spare parts inventory, address of local suppliers, equipment warranties, and appropriate equipment catalogues.	Vendor supplied information, to be catalogued at the facility	NA	Vendor supplied information, to be catalogued at the facility	NA

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Documents and Sections containing the required material per WAC 173-240-150 for projects C-018H and W-049H

	C-018H		W-049H	
	DOCUMENT	SECTION	DOCUMENT	SECTION
m) Emergency plans and procedures.	Final Safety Analysis Report (WHC-SD-ETF-SAR-001)	16	WHC-CM-4-43 Emergency Management Procedures	TBD
	WHC-CM-4-43 Emergency Management Procedures	TBD	Building Emergency Plan (WHC-IP-0263-LEF)	TBD
	Hanford Facility Dangerous Waste Permit Application, 200 Area ETF (DOE/RL-93-03)	7.0		
	Building Emergency Plan (WHC-IP-0263-LEF)	TBD		

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CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
Ms. June M. Hennig, RL (P. C. Mohondro, WHC)	Ms. M. A. Selby, Ecology	Incoming 9407376 XRef. 9457954 ↘

Subject: OPERATIONS AND MAINTENANCE MANUALS FOR THE 200 AREA EFFLUENT TREATMENT FACILITY (PROJECT C-018H) AND THE 200 AREA TREATED EFFLUENT DISPOSAL FACILITY (PROJECT W-049H)

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		G. W. Jackson	H6-33	X
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