



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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September 15, 1998

Mr. Chris D. Smith
U.S. Department of Energy
P.O. Box 550, MSIN: H0-12
Richland, WA 99352



Dear Mr. Smith:

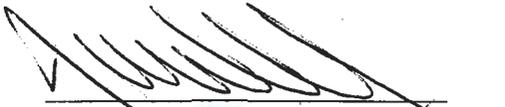
Re: Regulator Approval of *Removal Action Workplan for the 105-DR and 105-F Building Interim Safe Storage Projects and Ancillary Buildings (DOE/RL-98-37)* 49582

A meeting was held on July 30, 1998, between the U.S. Department of Energy (USDOE), Environmental Protection Agency (EPA), and Washington State Department of Ecology (Ecology) to discuss our comments and concerns on Draft A of the aforementioned document.

Enclosed is a copy of EPA and Ecology's comments and concerns. USDOE has adequately incorporated our concerns. EPA and Ecology approve the *Removal Action Workplan for the 105-DR and 105-F Building Interim Safe Storage Projects and Ancillary Buildings (DOE/RL-98-37), Revision 0*.

If you have any questions or concerns regarding this letter, please feel free to contact me at (509) 736-3013 or Pam Innis at (509) 376-4919.

Sincerely,


Jack Donnelly, Project Lead
Ecology / Nuclear Waste Program


Pam Innis, Project Lead
EPA

JD:PI:sb
Enclosure

cc: Dennis Faulk, EPA
Gail Laws, WDOH
Administrative Record: 100-DR-2, 100-FR-1, 105-DR Sodium Fire Facility TSD

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 105-~~r~~
 BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
 DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
1.	General Comment	Information pertaining to waste management was inadequate. This information needs to be more detailed in the Removal Action Report, or a separate waste management plan needs to be developed and approved by the regulators.	Accept. The pertinent information from the Site-Specific Waste Management Instruction (SSWMI) will be included in Section 4.2.
2.	General Comment	A specific deliverable for a verification SAP for the TSD needs to be included and discussed. This could be included as a paragraph in section 5.7.	Accept. A discussion of the verification SAP for the TSD will be included in sections 4.3 and 5.7.
3.	Global change	"Removal Action Report" to "Removal Action Workplan"	Accept. Will be changed as indicated by comment.
4.	p. 1-1; Sec. 1.0, 2nd para., 3rd sentence	Change "...(Ecology) and the EPA." to "...(Ecology), the EPA, and DOE/RL."	Accept. Will be changed as indicated by comment.
5.	p. 1-1, Sec. 1.1, , 1 st para	Revise this paragraph to indicate that the scope includes the ISS of the reactor facilities.	Accept. First two paragraphs of Section 1.1 will be changed as indicated by comment.
6.	p. 1-1, Sec. 1.1, , 2 nd para., 2 nd sentence	Change "...and other materials to be considered..." to "... and other documents to be considered..."	Accept. Second paragraph of Section 1.1 will be rewritten.
7.	p. 1-2, Sec. 1.2, 4 th para	Delete the 1 st sentence	Accept. Will be changed as indicated by comment.
8.	p. 1-3, Sec. 1.2, , last bullet	After "...address waste sites..." insert "or activities"	Accept. Will be changed as indicated by comment.
9.	p. 1-5, Sec. 1.3.1 last para., last sent	Delete "placed in permanent closure in" and rephrase to say "shutdown with no intent to reuse in"	Accept. Will be changed as indicated by comment.

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 105-B
BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
10.	p.2-1, Sec.2.1, 1 st bullet	Delete	Accept. Will be changed as indicated by comment.
11.	p.2-1, Sec.2.1, 2 nd bullet	After "Removing hazardous substances" insert "(chemical and radiological)"	Accept. Will be changed as indicated by comment.
12.	p.2-1, Sec.2.1, , 5 th bullet	Delete "products"	Accept. Will be changed as indicated by comment.
13.	p.2-1, Sec.2.1, before last bullet	Insert bullet "Verification sampling"	Accept. Will be changed as indicated by comment.
14.	p.2-1, Sec.2.1.1, , 1 st para., 3 rd sentence	Change "Filed Support..." to "Field Support..."	Accept. Will be changed as indicated by comment.
15.	p.2-1, Sec.2.1.1, , 2 nd para	Explain the logic of why the electrical systems need to be taken out of service.	Accept. Clarifications were made in Section 2.3.1. Section 2.1.1 refers to section 2.3.1.
16.	p.2-1, Sec.2.1.1, 2 nd para., first sentence	Rephrase to include "in accordance with an approved waste management plan"	Accept. Add to end of sentence, "in accordance with Section 4.2."
17.	p.2-2, Sec.2.1.3, 1 st para	Explain where waste is being disposed, see section on waste management plan	Section 4.2 will be referenced here. Section 4.2 will act as the Waste Management Plan, and will describe how each waste stream will be managed.

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 105-F
BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
18.	p. 2-2, Sec. 2.1.3, 1 st paragraph, 4 th sentence.	Delete the word "etc." at the end of the sentence.	Accepted.
19.	p.2-3, Sec.2.1.3, , last para	Rephrase to include "with the concurrence of the Lead Regulator", use phrase globally when deferring an action to remedial actions.	Accept. Change will be made as indicated by comment as appropriate throughout the document.
20.	p.2-3, Sec.2.1.4, , 3 rd para	Explain that a supplemental plan will be developed for regulator review for waste management of the FSB waste.	Accept. Text will be added to Section 2.1.4 stating regulator approval of the FSB disposition plan, which will include waste management methodology.
21.	p.2-4, Sec.2.1.4, , 4 th para.	Explain what will be done with the DOT shipping containers; i.e., will they be staged, transported offsite, stored, disposed, etc.?	Accept. The text will be changed to read "... (DOT)-approved shipping container <i>and shipped to a facility that will be approved by the lead regulatory agency.</i> "
22.	p.2-6, Sec.2.1.6, , 3 rd sentence	Delete "...up to one year..." and add "with regulator concurrence" after "at ERDF...."	Accept. Will be changed as indicated by comment.

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 105-F
BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
23.	p.2-6, Sec.2.1.7, 1 st para	Specify where the backfill comes from.	Accept. The following text will be added to the document, "Existing barrow pits in the 100 area will be used. No new barrow pits are anticipated to be used for backfill."
24.	p.2-6, Sec.2.1.7, 2 nd para., 1 st sentence and globally	Change "...verification surveys..." to "...verification sampling...".	Accept. Change will be incorporated into the text.
25.	p.2-6, Sec.2.1.7, , 2 nd para	Explain that regulator input is needed on determination of cost effectiveness to continue soil cleanup.	Accept.
26.	p.2-7, Sec.2.2.1, 2 nd para	ERC standards and procedures are to be submitted for review and a copy is to be sent to Pam Innis and Jack Donnelly for review to ensure that requirements are met.	Complete. The Asbestos Abatement Work Plan and Hazardous Material Task Instructions were forwarded to EPA and Ecology on 8/4/1998, via Lotus cmail.
27.	p.2-7, Sec.2.2.1, last para.; last sentence	Delete "according to applicable work plans" and replace with, "in accordance with the Section 4.2."	Accept. Section 4.2 will act as the Waste Management Plan.
28.	p.2-7, Sec.2.2.2	Criticality reports are to be submitted for review to Pam Innis and Gale Laws.	Complete. These were sent through plant mail on 7/30/98.
29.	p. 4-1, first sentence	Add, "to the extent practicable," after "...will be met."	Accepted.
30.	p.4-1, Sec.4.7, , 1 st bullet, 1 st sent	After "...Federal regulations..." insert "to the extent practicable,".	Accept. Will be changed as indicated by comment.

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 105-F
BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
31.	p.4-1, Sec.4.1, , 1 st bullet, 3 rd para	Delete paragraph and replace with "Achievement will be verified against the CLARC tables, no RESRAD, that will only be done for gw."	Accept. ARARs section has been rewritten and will be forwarded separately for review by regulators.
32.	p.4-1, Sec.4.1,	Explain that lookup values for cleanup and verification will be specified in SAPs.	Accept. Will be changed as indicated by comment.
33.	p.4-2, Sec.4.1	Combine the " <i>Clean Air Act</i> " bullets into one bullet with subsections.	Accept. Will be changed as indicated by comment.
34.	p.4-2, Sec.4.1, 9 th bullet, 2 nd para	Replace "...of Health regulated release..." with "...of Health regulations govern the release..."	Accept. Will be changed as indicated by comment.
35.	p.4-3, Sec.4.1, , 12 th bullet	Delete or rephrase so that RCRA is only referenced once.	Accept. Will be changed as indicated by comment.
36.	p.4-3, Sec.4.1, , 13 th bullet; 2 nd para	Begins with "If soils..."; cut paragraph and insert into Section 4.1.1, p.4-5, 1 st bullet, between 1 st and 2 nd paragraphs.	Accept. ARARs section has been rewritten and will be forwarded separately for review by regulators.
37.	p.4-6, Sec.4.1, , last bullet, last sent	After "...ARARs" insert "as well as documented in the project schedule."	Accept. Will be changed as indicated by comment.
38.	p.4-6; Sec.4.2	Explain about the handling of water.	Accept. Management of water will be discussed in Section 4.2.2.
39.	p.4-7, Sec.4.2.1, 1 st para	Determine why "mixed waste" is specified.	Accept. The word "mixed" will be deleted.

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 105-F
BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
40.	p.4-7, Sec.4.2.1, , 1 st sentence	Delete sentence and replace with "Waste generated will be characterized and designated in accordance with BHI-EE-10, <i>Waste Management Plan</i> , BHI-FS-03, <i>Field Support Waste Management Requirements</i> , the requirements of the receiving facility, and in accordance with and approved SAP."	Accept.
41.	p.4-7, Sec.4.2.2	Include a specific plan for handling and storing, use info. and drawing from SSWMI, and be in accordance with IDW strategy.	Accept. This section was completely rewritten to incorporate specific information from the SSWMIs.
42.	p.4-7, Sec.4.2.2	Delete footnote.	Accept.
43.	p.4-8, Sec 4.2.3	Treatment Plans will be approved by the regulators.	Accept. A sentence will be added to the end of the paragraph. "For wastes requiring treatment, the techniques will be documented in a SSWMI or equivalent treatment document."
44.	p.4-8, Sec.4.2.3, 2 nd to last sentence	Change "...requirements of WAC 173-303." to "...requirements of RCRA and WAC 173-303."	Accept.
45.	p.4-8, Sec.4.2.5, 1 st para., 2 nd sentence	Delete sentence and replace with "The remaining waste site will be addressed by remedial action."	Accept. Will be changed as indicated by comment.

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 105-F
BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
46.	p.4-9, Sec.4.2.6, , 3 rd bullet	Delete 2 nd sentence and rephrase paragraph to say that only untreatable waste will be shipped to CWC, CERCLA/treatable waste will not be.	Accept. The second sentence will read as follows, "Where treatment is deemed not feasible, lead regulator approval will be obtained to ship waste to an approved disposal facility."
47.	p.4-9, Sec.4.2.6, 5 th bullet, 4 th sentence	After "Waste that..." insert "cannot be treated to" and delete, "does not".	Accept. Will be changed as indicated by comment.
48.	p. 4-9, Sec. 4.2.6, last bullet, last sentence	Add, "with concurrence of the lead regulatory agency," to the end of the sentence.	Accepted.
49.	p.4-10, Sec.4.3, 2 nd para, last sentence	After "...to EPA..." insert "and Ecology".	Accept. Will be changed as indicated by comment.
50.	p.4-11, Sec.4.3	Include a paragraph explaining that the lookup values and CLARC tables will be added to the SAP.	Accept. Will be changed as indicated by comment.
51.	p.4-11, Sec.4.3.; last para, 3 rd sentence	Delete "EPA" and replace with Ecology; Global change – Ecology when referring to actions in 100-DR and EPA when referring to actions in 100-F.	Accept. Change will be made as appropriate globally throughout document.

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 1
BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
52.	p.4-12, Sec.4.4, 1 st para	Commentors did not understand the phrase, "...Projects...will have the option to determine whether to release the below-grade portions of the buildings undergoing D&D...". Rephrase to include that FSB and all structures with in the ISS footprint will meet requirements to the extent practicable (regulators will help determine what is practicable). The intent is to release to rural residential ... the final closeout will provide verification that all cleanup standards will be met.	The first sentence will be deleted and replaced with, "Underlying structures and soils will be disposed of in accordance with Section 4.2 or released with the criteria described in the Action Memorandum (Ecology et. al. 1998)."
53.	p. 5-1, Sec. 5.0 and A-1	<ul style="list-style-type: none"> • Put the schedule in 5.0, not in an appendix. • The schedule does not need to include TPA milestones on the top; put them in as line items. The most important TPA milestone is the project closeout, i.e., a verification package, which completes the ISS. • Prefer use of the triangle to indicate TPA milestones. Use another symbol for regulatory reviews. • Breakout the schedule to show when phases 2, 3, 4, etc. are going to be completed. At a minimum, include points that require regulatory approval. • Add a separate line item for TSD closure, or make it a separate schedule like the DR and F reactors. 	Partially Accept. (First bullet not accepted, all others accepted) The schedule will be reference in Appendix A along with the project scope for all of the projects covered under this removal action by fiscal year with associated dollars and assumptions.

**REGULATOR COMMENTS ON REMOVAL ACTION REPORT FOR THE 105-DR AND 105-F
BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDINGS,
DOE/RL-98-37, DRAFT A**

No.	CITATION	COMMENT	DISPOSITION
54.	General regarding the schedule.	Ecology hopes that the TSD will be closed before the 2005 TPA milestone, although this is the only date that is currently enforceable. It is recommended that the project indicate how and when it plans to close the TSD, and if the regulators agree, that schedule becomes enforceable.	The schedule will include the TSD. Section 5.1 will discuss how the schedule for the TSD closure will coordinate with the 105-DR CERCLA closure along with the other ancillary buildings included in this removal action.
55.	p.5-1; Sec. 5.1	Include the cost estimates from the DWP and the scoping statements by year. Also include the project assumptions for the base funding levels.	Accept. This will be done in Section 5.1.
56.	p. 5-6; Sec. 5.7	Add concept that EPA and Ecology approval are required on deferrals to the remedial action program. This is a global change wherever it occurs in the report.	Accept. Change will be made as appropriate globally throughout document.
57.	p. 5-6; Sec. 5.7	Ensure that this section delineates each of the deliverables listed in Section IX of the Action Memorandum.	Accept. This will be done in Section 5.7.
58.	p. 5-6 and 5-7, Sec. 5.7	Delete references to "final" closeout. Final closeout does not occur until the risk assessment is completed.	Accept.
59.	p. 5-7, Sec. 5.7, last para	Delete. This only applies to ONCP officers and is not accomplished at the Regional level.	Accept.
60.	Appendix	Include maps showing the specific locations of the air monitors in the appendix.	Accept. One figure for the 105-F and one for the 105-D/DR Area have been added to the Air Monitoring Plan Appendix.