MAR 08 1999

ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT

618715

2. To: (Receiving Organization) Distribution		3. From: (Originating Organization) Tank Farm Restoration and Safe Operation, Project W-314		4. Related EDT No.: N/A	
5. Proj./Prog./Dept./Div.: W-314/TWRS		6. Design Authority/ Design Agent/Cog. Engr.: A. H. Friberg		7. Purchase Order No.: N/A	
8. Originator Remarks: For Release				9. Equip./Component No.: N/A	
11. Receiver Remarks: 11A. Design Baseline Document? ☐ Yes ☒ No				10. System/Bldg./Facility: N/A	
				12. Major Assm. Dwg. No.: N/A	
				13. Permit/Permit Application No.: N/A	
				14. Required Response Date: N/A	

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Trans- mittal	Originator Dispo- sition	Receiver Dispo- sition
1	HNF-3699, Rev. 0		0	Engineering Report for Project W-314 S/RIDS Phase 1 Assessment	Q	1,2		

16. KEY									
Approval Designator (F)		Reason for Transmittal (G)				Disposition (H) & (I)			
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)		1. Approval 4. Review 2. Release 5. Post-Review 3. Information 6. Dist. (Receipt Acknow. Required)				1. Approved 4. Reviewed no/comment 2. Approved w/comment 5. Reviewed w/comment 3. Disapproved w/comment 6. Receipt acknowledged			

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)											
(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
1	1	Design Agent	A. H. Friberg	3-1-99	55-13						
1	1	Eng. W. R. Hays	[Signature]	3-1-99	63-12						
1	1	Eng. Mgr. J. L. Homan	[Signature]	3-1-99	84-57						
1	1	QA. Hank M. Cheff	[Signature]	3-1-99	R3-25						

18. Signature of EDT Originator		19. Authorized Representative Date for Receiving Organization		20. Design Authority/ Cognizant Manager		21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments	
[Signature]		[Signature]		[Signature]		[Signature]	

Engineering Report for Project W-314 S/RID Phase 1 Assessment

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U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: 618715

UC: 630

Org Code: 8C610

Charge Code: 106048/ED00

B&R Code: EW3130010

Total Pages: 49

Key Words: Project W-314, S/RID, Assessment, TWRS

Abstract:

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5/8/99
Release Approval Date

Approved for Public Release

Engineering Report

Project W-314 S/RID Phase 1 Assessment

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

Approved for public release; distribution is unlimited

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ENGINEERING REPORT

PROJECT W-314

S/RID PHASE 1 ASSESSMENT

I. INTRODUCTION

Project W-314, "Tank Farm Restoration and Safe Operation," is in the definitive design stage. A series of readiness reviews will be performed prior to operation, culminating with an Operational Readiness Review (ORR) by the U. S. Department of Energy, Richland Operations Office (RL). Successful completion of the ORR will be used to obtain RL approval to begin operation. This report provides the results of an assessment of project W-314 to assure the definitive design process meets S/RID requirements and to prepare for future readiness reviews.

One of the elements used to determine readiness to operate will be the project's compliance with requirements promulgated through Standards/Requirements Identification Documents (S/RID). An S/RID is a compilation of safety and health requirements for nuclear facilities that are the minimum set needed for safe operation. There are no S/RID requirements developed specifically for project W-314. The applicable S/RIDs are those for the overall Tank Waste Remediation System (TWRS) program of which project W-314 is a part.

The report provides the methodology for determining which of the TWRS S/RIDs apply to project W-314. The methodology was applied to the TWRS S/RIDs, resulting in a set of S/RIDs that apply specifically to project W-314. The documents used by and produced for the project were then compared with the project W-314 S/RIDs and an assessment made of how well the project implemented the S/RIDs. A full S/RID assessment contains two phases: Phase 1 (administrative) determines if documents used by the project implement the S/RIDs; Phase 2 (Adherence)

determines if the project is actually complying with the S/RIDs. This report provides the results of a Phase 1 assessment.

II. SUMMARY

This report provides the results of an assessment of project W-314 compliance with project-specific S/RIDs. This Phase 1 assessment has been subdivided into the following tasks.

Task 1 collected reference materials needed to complete the S/RID assessment. The documents include reports from the TWRS procedure compliance system (ERMI) that list the S/RID requirements for TWRS in each functional area and the documents that TWRS identified as implementing each S/RID (Phase 1 of the TWRS assessment). Also included are documents that were identified during this assessment as implementing project W-314 S/RIDs.

Task 2 evaluated the 16 TWRS program S/RID functional areas to identify areas that applied specifically to project W-314. The S/RIDs applicable to project W-314 were determined by evaluating each individual S/RID in each functional area against the scope of project W-314 from inception to the point at which it begins operation. The following project W-314 functional areas were then prioritized into three groups to allocate resources to the most critical items.

- Priority 1 S/RID functional areas contain requirements that pertain to activities done completely within the scope of project W-314 (engineering, quality assurance, and construction).
- Priority 2 S/RID functional areas contain requirements that are partially satisfied at the TWRS level and partially at the project W-314 level (such as fire protection, configuration management, nuclear safety).

- Priority 3 S/RID functional areas requirements are largely satisfied at the TWRS level and contain very few that apply to project W-314.

Task 3 consisted of an assessment of each functional area, in priority sequence, to further refine the set of S/RIDs that apply to project W-314. This task involved determining, for each S/RID requirement, a document used on the project that implemented the requirement. This is analogous to a Phase 1 assessment under the S/RID program but tailored specifically to project W-314. A matrix was developed to document the results. All the S/RIDs were found to have suitable implementing documents.

III. PURPOSE

This assessment of project W-314 for compliance with TWRS program S/RID requirements that apply to the project was conducted to aid in preparing for readiness reviews that will be conducted prior to obtaining RL approval to operate. Not completing this assessment, and any corrective actions resulting from it, could jeopardize the planned operations start date.

IV. DESCRIPTION

The S/RID assessment was subdivided into three tasks that are described in this section.

Task 1

The primary source material obtained for this assessment is a current "Requirements by Outline Report" from the TWRS ERM for all 16 S/RID functional areas that apply to the TWRS program. These reports list each S/RID requirement source, the text of the requirement, and implementation documents that were found during the S/RID Phase 1 assessment for TWRS. Reference documents consisted

of current copies of the major documents that demonstrate the implementation of S/RIDs on project W-320 (Task 3). Reference documents were obtained from Project W-314 document control to ensure current revisions were used.

Task 2

Task 2 is a listing of S/RID functional areas that apply to project W-314 in order of priority. Priorities are needed so that greater emphasis can be given to the functional areas that directly apply to the scope of the project, such as engineering and construction.

Three priorities were established. Priority 1 functional areas contain activities that are completely within the scope of the project. As an example, the S/RID functional area of engineering contains requirements pertaining to the design process from identification of requirements through the establishment of criteria for acceptance testing. All these activities are performed by project personnel and are within the scope of the project from its inception until RL approval is obtained for operation. The conclusion that engineering is a Priority 1 functional area was confirmed by reviewing each of the 43 individual requirements listed in the TWRS S/RID database (ERMI) and asking the question, "Does this requirement apply to project W-314?" All 43 requirements apply. Priority 1 functional areas are those for which all the TWRS requirements also apply at the project level. Three functional areas became Priority 1: engineering, construction, and quality assurance. Table 1 summarizes the data.

Priority 2 functional areas were grouped using the same approach. This group contains functional areas for which the S/RID requirements apply to both the TWRS program level and the project W-314 level. As an example, configuration management contains requirements that must be implemented at the project level, such as the need to have an equipment database that is controlled and contains certain information. However, the configuration management functional area also contains requirements that are satisfied at the TWRS program level without specific

application to project W-320, such as having an overall facility (program) configuration management program plan. Table 1 shows the Priority 2 group of nine functional areas with the results of which S/RIDs apply.

The number of S/RIDs applicable to W-314 in Table 1 may appear small especially in fire protection, occupational safety and health (OS&H) and operations. For fire protection, many requirements do not apply because the project does not modify fire protection systems or add new building. Thus, the existing TWRS Phase 1 assessment should adequately address this functional area. Note that the tie between the safety analysis report (B10) and TWRS fire hazards analysis (S/RID 12.3, RLID 5480.7, Section 6.2), currently indicated as "discrepant" in the TWRS S/RID database, was not re-addressed at the project level.

The majority of the OS&H and operations requirements that are not applicable to W-314 are already addressed at the TWRS level. The S/RIDs are implemented in IP-0842 procedures already listed in the TWRS S/RID database (ERMI).

Priority 3 functional areas are those for which few, if any, S/RID requirements apply to project W-314. Four of the 16 applicable functional areas are in the Priority 3 group.

Task 3

Task 3 carried the data accumulated during Task 2 to the next step—determining if the documents used by project W-314 to establish requirements comply with the S/RIDs that were tailored to the project level. Beginning with the Priority 1 functional areas, each individual S/RID applicable to the project was reviewed with the intent of finding if a document used by the project existed that showed compliance with the S/RID. Documents reviewed include design requirements document, system safety program plan, project execution plan, quality assurance plans, TWRS procedures (found in HNF-IP-0842 and HNF-PRO-XXX documents), and engineer/constructor (Fluor Daniel Northwest) practices, and other project

documents. The results are summarized in the tables shown in Appendix A. The tables are arranged in the same order as the functional areas in Table 1.

The Task 3 assessment found that all the Priority 1, 2, and 3 S/RID requirements were implemented in project W-314 documents.

PROJECT W-314
S/RID ASSESSMENT PRIORITY LISTING
TABLE 1

FUNCTIONAL AREA			S/RIDS APPLICABLE TO W-314?			
No.	Ident.	Title	Yes	No	Total	% Applicable
Priority 1						
7	EN	Engineering	43	0	43	100
8	CS	Construction	28	0	28	100
2	QA	Quality Assurance	9	0	9	100
Priority 2						
3	CM	Configuration Management	21	31	52	40
19	OH	Occupational Safety and Health	99	224	323	31
16	WM	Waste Management	98	222	320	31
18	NS	Nuclear Safety	17	44	61	28
20	EP	Environmental Protection	29	307	336	9
4	TN	Training and Qualification	10	91	111	9
12	FP	Fire Protection	9	153	162	6
9	OP	Operations	12	212	224	5
1	MS	Management Systems	6	142	148	4
Priority 3						
11	RP	Radiation Protection	1	212	213	0.5
5	EM	Emergency Preparedness	2	110	112	2
6	SS	Safeguards and Security	0	16	16	0
10	MN	Maintenance	0	6	6	0
14	ER	Environmental Restoration	0	0	0	0
15	DD	Decontamination and Decommissioning	0	0	0	0
17	RD	R & D/Experimental Activities	0	0	0	0
13	PT	Packaging and Transportation	0	0	0	0

V. CONCLUSION

The overall conclusion is that project W-314 complies with the applicable S/RIDs by having project documents that implement the S/RIDs. Some areas of weakness were identified that should be addressed prior to the readiness reviews. These concerns are listed below as recommendations resulting from this assessment as well as items rising from *similar assessments*.

Recommendations

1. Several of the available reference documents that were used to determine if S/RIDs were implemented were applicable to the conceptual stage of the project's design. Included are the Configuration Management Plan (Rev. 0), System Safety Program Plan (Rev. 0), and Interface Control Document (Rev. 0). Since these documents state they will be updated when needed, the project simply needs to ensure revisions are completed at the proper time. Also, when updating these or other project documents, the *conversion of legacy procedures and manuals* needs to be addressed. For example, WHC-CM-4-46 no longer exists; it has been replaced by a number of Project Hanford procedures.
2. Ensure that mechanisms are in place to keep the design baseline and the safety analysis consistent and current such as a Safety Equipment List. The design baseline includes design basis documents (DRD, FRD, PDS) plus design documents (drawings, specifications, calculations).

APPENDIX A

PHASE 1 RESULTS

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Bill Hays

SRID REQUIREMENT		IMPLEMENTING DOCUMENT(S)	PHI 1 OK Y/N	ASSESS DATE
7.1.1	10CFR830 Part 120, Implementation Guide, Section 1.1 This SRID should not be in the Engineering Functional Area (7); it belongs in Management Systems (FA 1) or should be deleted.	<ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, All FDNW TWRs Project Procedures Manual, Rev. 1 HNF-PRO-553, "Baseline Change Control" 	Y	10/30/98
	7.1.2	<ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A HNF-SD-W314-QAPP-001, Rev. 1 FDNW TWRs Project Procedures Manual, Rev. 1 HNF-PRO-069, "Maintenance Management" WHC-IP-0842, Vol. IV, All FDNW TWRs Project Procedures Manual, Rev. 1, Section 6.1 and 3.1.20 (CPI) HNF-SD-W314-PMP-001, Rev. 0A, Section 1.3 HNF-SD-W314-PMP-001, Rev. 0A, Section 3.6 FDNW TWRs Project Procedures Manual, Rev. 1, Section 6.1 	Y	10/30/98
7.1.4	10CFR830 Part 120, Implementation Guide, Section 5.1	<ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, Section 3.6 FDNW TWRs Project Procedures Manual, Rev. 1, Sections 6.1 and 3.1.20 HNF-SD-W314-PMP-001, Rev. 0A, Section 3.6 WHC-IP-0842, Volume IV, All FDNW TWRs Project Procedures Manual, Rev. 1, Section 6 HNF-SD-W314-PMP-001, Rev. 0A, Section 3.6 	Y	10/30/98
	10CFR830 Part 120, Implementation Guide, Section 5.2, Paragraph 1 10CFR830 Part 120, Implementation Guide, Section 5.4, Paragraph 2 10CFR830 Part 120, Implementation Guide, Section 5.4, Paragraph 3	<ul style="list-style-type: none"> WHC-IP-0842, Volume IV, Sections 2.1 and 2.12 FDNW TWRs Project Procedures Manual, Rev. 1, Section 6 HNF-SD-W314-PMP-001, Rev. 0A, Section 3.6 WHC-IP-0842, Volume IV, Sections 2.1 and 2.11 FDNW TWRs Project Procedures Manual, Rev. 1, Section 6 WHC-SD-WM-QAPP-018, Rev. 2, Sections 2.3.2 and 2.4.3.2 WHC-IP-0842, Section 5.2, "Control of Nonconforming Item" HNF-PRO-129 HNF-PRO-134 HNF-PRO-298 FDNW TWRs Project Procedures Manual, Rev. 1, Section 23 HNF-SD-W314-PMP-001, Rev. 0A, Section 2 HNF-SD-W314-PMP-001, Rev. 0A, All HNF-SD-W314-PMP-001, Rev. 0A, Section 4.0 and Appendix C HNF-SD-W314-PMP-001, Rev. 0A, All HNF-SD-W314-PMP-001, Rev. 0A, All 	Y	10/30/98
7.1.4	DOE 4700.1, Ch. III.B.2.c(1)(a)			
	DOE 4700.1, Ch. III.B.2.c(2)(a)			
	DOE 4700.1, Ch. III.B.2.c(2)(b)(1)			
	DOE 4700.1, Ch. III.B.2.c(2)(b)(2)			
	DOE 4700.1, Ch. III.B.2.c(2)(b)(3)			

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Bill Hays

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
7.1.5 DOE 4700.1, Ch. III.F. 9.a.(2)[2] DOE 4700.1, Ch. III.F. 9.a.(2)[3] DOE 4700.1, Ch. III.F. 9.a.(3)[2] DOE 4700.1, Ch. III.F. 9.a.(3)[3] DOE 4700.1, Ch. III.F. 9.a.(3)[4] DOE 4700.1, Ch. III.F. 9.a.(4)[2]	<ul style="list-style-type: none"> ■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3 ■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3 ■ HNF-PRO-567 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Section 9 ■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Section 9 ■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Section 9 ■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Section 10 ■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3 	Y	10/31/98
7.1.7 DOE 6430.1A, 0109, Sentences 1 and 2 DOE 6430.1A, 0140 [09] Standards = design input (1) Changes to design input require design change control (4)	<ul style="list-style-type: none"> ■ WHC-SD-W314-DRD-001, Rev. 1, All ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 3.2.1.1 	Y	10/31/98
7.1.9 10CFR830 Part 120, Implementation Guide, Section 8.1 10CFR830 Part 120, Implementation Guide, Section 8.2 10CFR830 Part 120, Implementation Guide, Section 8.3	<ul style="list-style-type: none"> ■ HNF-SD-W314-QAPP-001, Rev. 1, Attachment 1 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Sections 7, 8, and 23 ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 3.4 ■ HNF-PRO-297 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Sections 7, 8, and 23 ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 3.4 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Section 7, 8, and 23 	Y	10/31/98
7.1.11 10CFR830 Part 120, Implementation Guide, Section 4.1 10CFR830 Part 120, Implementation Guide, Section 4.2 10CFR830 Part 120, Implementation Guide, Section 4.3	<ul style="list-style-type: none"> ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 2.4 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Sections 6.8, 8, and 23 ■ WHC-IP-0842, Volume IV, Section 3.5 ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 2.4 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Sections 6.8 and 8 ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 2.4 ■ FDNW TWRs Project Procedures Manual, Rev. 1, Sections 6.8 and 21 		10/31/98

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Bill Hays

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PHI OK Y/N	ASSESS DATE
7.2 10CFR830 Part 120, Implementation Guide, Section 6.1	<ul style="list-style-type: none"> ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 3.2 ■ HNF-SD-W314-PMP-001, Rev. 0A, Appendix C ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 6 	Y	10/31/98
10CFR830 Part 120, Implementation Guide, Section 6.3, Paragraph 1	<ul style="list-style-type: none"> ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 3.2 ■ HNF-SD-W314-PMP-001, Rev. 0A, Appendix C ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 6 		
10CFR830 Part 120, Implementation Guide, Section 6.3, Paragraph 2	<ul style="list-style-type: none"> ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 2.4.4 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 6.3.8 (Practice 134.200.0960) 		
10CFR830 Part 120, Implementation Guide, Section 6.3, Paragraph 3	<ul style="list-style-type: none"> ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 6.4 		
7.2.2 10CFR830 Part 120, Implementation Guide, Section 6.1, Paragraph 1	<ul style="list-style-type: none"> ■ WHC-SD-W314-DRD-001, Rev. 1, All ■ HNF-SD-W314-PMP-001, Rev. 0A, Section 4 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 6.3.4 	Y	11/1/98
7.2.3 10CFR830 Part 120, Implementation Guide, Section 6.4	<ul style="list-style-type: none"> ■ HNF-SD-W314-PMP-001, Rev. 0A, Section 2.1.3 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 6 	Y	11/1/98
7.2.4 10CFR830 Part 120, Implementation Guide, Section 6.5, Paragraph 2	<ul style="list-style-type: none"> ■ WHC-SD-WM-QAPP-018, Rev. 2, Section 3.2.1 ■ HNF-SD-W314-PMP-001, Rev. 0A, Sections 2.4 and 6.4 	Y	11/1/98
10CFR830 Part 120, Implementation Guide, Section 6.5, Paragraph 3	<ul style="list-style-type: none"> ■ WHC-SD-WM-QAPP-018 Rev. 2, Section 3.2.1.3 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 6.4 (Practice 134.200.0945) ■ FDNW TWRS Project Procedures Manual, Rev. 1 Section 6.4.6 - (Practice 134.200.0165 [Peer Review]) ■ Section 6.4.4 - (Constructability Review) 		
DOE 6430.1A, Section 0140 [10]			
7.2.5 10CFR830 Part 120, Implementation Guide, Section 6.6	<ul style="list-style-type: none"> ■ WHC-SD-WM-QAPP-018, Rev. 2, Sections 2.3.2 and 3.2.1.4 ■ TWRS Project Procedures Manual, Rev. 1, Sections 6.6 and 7.3 ■ HNF-PRO-440 	Y	11/1/98
7.2.6 DOE-STD-1073-93, Ch.1, Section 1.3.7.2	<ul style="list-style-type: none"> ■ WHC-SD-W314-DRD-001, Rev. 1, Section 3.2.3 	Y	11/1/98
DOE-STD-1073-93, Ch.1, Section 1.3.7.3	<ul style="list-style-type: none"> ■ WHC-SD-W314-DRD-001, Rev. 1, Section 3.2.3 		

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Bill Hays

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
<p>8.1.1 DOE 4700.1, Attachment III-7.2.a(1)</p> <ul style="list-style-type: none"> Management control systems in place that include policies, procedures, and methods designed to: <ol style="list-style-type: none"> Define all authorized work and related resources to meet contract requirements. Use the framework of the contract WBS. 	<ul style="list-style-type: none"> HNF-PRO-552 HNF-PRO-563 FDNW TWR3 Project Procedures Manual, Rev. 1, Sections 7, 8, and 10 Practice 000.330.1200 	Y	11/6/98
<p>8.1.2 10CFR830 Part 120(c)(2)(f)</p> <ul style="list-style-type: none"> Perform work to established technical standards/administrative controls. Use approved instructions, procedures, or other appropriate means. Identify/control items to ensure their proper use. Maintain items to prevent damage/loss/deterioration. Calibrate/maintain equipment used for process monitoring or data collection. 	<ul style="list-style-type: none"> See QA SRID section, item 2.6 (identical requirement) 	Y	11/6/98
<p>8.2 DOE 4700.1, Attachment III-7.2.a(2)</p> <ul style="list-style-type: none"> Management control systems to include policies, methods, and procedures to ensure the following: <ol style="list-style-type: none"> Internal organizational elements are identified. Major subcontractors responsible for performing authorized work are identified. <p>DOE 4700.1, Attachment III-7.2.a(4)</p> <ul style="list-style-type: none"> Management control system includes policies, procedures, and methods that identify managerial positions responsible for controlling overhead. 	<ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, Sections 2 and 3 HNF-PRO-551 HNF-PRO-563 HNF-PRO-565 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 3 HNF-SD-W314-PMP-001, Rev. 0A, Section 3.2 (addresses financial control – not specifically control of overhead) 	Y	11/6/98
<p>DOE 4700.1, Attachment III-7.2.a(5)</p> <ul style="list-style-type: none"> Management control systems must provide for integration of the contract work breakdown structure with contractor's functional organizational structure to permit cost/schedule performance measurement for contractor WBS and organizational elements. 	<ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, Section 3.1 		

PROJECT W-314 SRIDS ASSESSMENT

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Manager (accountable function): Bill Hays

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
<p>8.2.1 DOE 4700.1, V.A.2.c(1)(i)</p> <ul style="list-style-type: none"> Prepare specific project management plans for each MSA. <p>DOE 4700.1, V.A.2.c(2)</p> <ul style="list-style-type: none"> General PMPs prepared for categories or types of projects managed similarly, encompassing same areas that the specific management plans address. <p>DOE 4700.1, V.A.2.c(3)(i)</p> <ul style="list-style-type: none"> Projects managed by general management plans must have specific documents containing scope, estimate, schedule, and designated individuals assigned authorities and responsibilities. Process must be established and be operational throughout project life that identifies programmatic, operational, legislative, institutional, and other requirements or constraints that may affect technical cost or schedule baselines, and ensure that such baselines properly reflect such potential impacts. <p>DOE 4700.5, Attachment 2, Section 2.a(4), (b)(1)</p>	<ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, All N/A -- covered above under specific PMP N/A -- project covered under specific PMP. HNF-SD-W314-PMP-001, Rev. 0A, Sections 3.1 and 3.2 (addresses cost and schedule only) 	Y	2/16/98
<p>8.2.2 DOE 4700.5, Attachment 2, Section 2.a(4)(b)2</p> <ul style="list-style-type: none"> Develop schedules that integrate WBS and cost estimate. Develop schedules that represent all work regardless of funding source. Use activity logic to depict all work scope, constraints, and decision points. Estimate and assign durations to activities representing work accomplishments. <p>DOE 4700.5, Attachment 2, Section 2.a(4)(b)3</p> <ul style="list-style-type: none"> Establish approved schedule baseline (clearly depict critical path activities/milestones, resource-load activities to develop time-phased budgets that are integrated with schedule. Permit only authorized changes to schedule baseline. 	<ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, Appendix B FDNW TWRS Project Procedures Manual, Rev. 1, Section 2 Practice 000.320.1320 Practice 134.300.1415 Practice 134.320.1253 HNF-SD-W314-PMP-001, Rev. 0A, Appendix B FDNW TWRS Project Procedures Manual, Rev. 1, Section 2 Practice 000.320.1320 Practice 000.320.1320 Practice 134.300.1415 Practice 134.320.1253 	Y	2/16/98

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<p>8.2.3 DOE 5700.2D, Preamble, Section 8c</p> <ul style="list-style-type: none"> All sequential cost estimates reconciled and kept on file with previous estimates until project completion. Each estimate documentation file includes basis for estimate, shows how estimate was performed, and contains contingency analysis. All estimates performed in constant-year dollars, and escalated into year-of-expenditure dollars. Both estimate and escalation rates used kept on file until project complete. <p>DOE 5700.2D, Preamble, Section 8d</p> <ul style="list-style-type: none"> Check estimate used to validate project estimates. Check estimate made by someone other than those who prepared original estimate. <p>DOE 4700.5, Attachment 2, Section 2.4(3)(b)1</p> <ul style="list-style-type: none"> Prepare cost estimate using appropriate methods integrated with WBS and DOE cost structures. All estimates consistent with DOE 5700.2D in accordance with FAR 15.806. 	<ul style="list-style-type: none"> HNF-PRO-552 FDNW TWRS Project Procedures Manual, Rev. 1, Section 9 (reference an FD Project Controls Estimating Guidelines manual -- no reference document number) FDNW practice 134.300.1150 <ul style="list-style-type: none"> HNF-PRO-552 FDNW practice 134.300.1150 <ul style="list-style-type: none"> HNF-PRO-552 FDNW practice 134.300.1150 	Y	11/6/98
<p>8.2.4 DOE 4700.1, V.A.2.g(2)</p> <ul style="list-style-type: none"> Maintainability considerations include ease of replacement of installed equipment. <p>DOE 4700.1, V.A.2.g(3)</p> <ul style="list-style-type: none"> Maintainability considerations include accessibility of installed equipment and building systems for performance of maintenance. <p>DOE 4700.1, V.A.2.g(5)</p> <ul style="list-style-type: none"> Maintainability considerations: provide maintenance instructions, as-built drawings (especially the location of underground utility lines), process chemical, and coolant piping. <p>DOE 4700.1, V.C.2.h(2)(a)[4]</p> <ul style="list-style-type: none"> In adopting new technique on methods: <ul style="list-style-type: none"> - ensure that design criteria satisfied - ensure that results achieved without decrease in desired quality - ensure that results achieved without any sacrifice in essential requirements 	<ul style="list-style-type: none"> WHC-SD-W314-DRD-001, Rev. 1, Section 3.2.3 FDNW TWRS Project Procedures Manual, Rev. 1, Section 2 <ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, Section 2.1.3.3 FDNW TWRS Project Procedures Manual, Rev. 1, Sections 6.7 and 7.3 <ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, Section 6 WHC-SD-W314-DRD-001, Rev. 1, Section 1.3 	Y	11/6/98

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<p>8.2.7 DOE 13242A, V, Attachment V-14, Item 2.a</p> <p>Provide the following "essential" information to document construction process:</p> <ul style="list-style-type: none">- Working drawings and construction specifications- "As-built" drawings- Shop drawings- Standard drawings- Repair and alteration drawings- Equipment specifications- Operating/maintenance manuals- Equipment warranty data- Final Inspection/acceptance reports- Construction cost/schedule data- Space assignment plans	<ul style="list-style-type: none">■ HNF-SD-W314-PMP-001, Rev. 0A, Section 2.1.3.3■ HNF-PRO-551■ HNF-PRO-1997	Y	11/6/98
<p>DOE 13242A, V, Attachment V-14, Item 2.c</p> <p>Keep information correspondence and other records developed during construction process essential to performance, but not essential for project record purposes following project completion</p>	<ul style="list-style-type: none">■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3.1		
<p>DOE 4700.1, V.C.2.h (2)(d)(5)</p> <p>Establish change control procedures for projects not having specific Project Procedure Manuals.</p>	<ul style="list-style-type: none">■ N/A – this project has a Project Procedures Manual		
<p>DOE 4700.1, V.C.2.h(2)(d)(6)</p> <p>Change control procedures will include authorities and responsibilities during both design/construction.</p>	<ul style="list-style-type: none">■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3.2.4■ FDSW TWRPS Project Procedures Manual, Rev. 1, Section 9.6		
<p>DOE 13242A, V, Attachment V-14, Item 2.b</p> <p>Provide construction completion reports.</p>	<ul style="list-style-type: none">■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3.4.3 and Appendix D■ HNF-PRO-551■ HNF-PRO-1997■ FDSW TWRPS Project Procedures Manual, Rev. 1, Section 3.1		
<p>DOE 13242A, V, Attachment V-14, Item 2.d</p> <p>Provide the following records for architectural, historical, and technological significance:</p> <ul style="list-style-type: none">- Project description, location, construction costs, and performance schedule.- As-built architectural and engineering drawings.- Photographs of completed project.- Construction completion report.	<ul style="list-style-type: none">■ HNF-SD-W314-PMP-001, Rev. 0A, Section 3.4.3 and Appendix D■ FDSW TWRPS Project Procedures Manual, Rev. 1, Section 3.1■ HNF-PRO-551■ HNF-PRO-1997■ Practice 000.530.1691		

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8.2.7 DOE 6430.1A, 0150-4.1 (con't) <ul style="list-style-type: none"> Implement pollution and soil erosion controls during construction activities to mitigate impacts on air, water, and other environmental resources to ensure compliance with federal, state, and local laws and regulations. Consider site-specific waste problems prior to construction. Address special construction permit and environmental protection requirements at prebid conference, and clearly state these requirements in contract documents. 	<ul style="list-style-type: none"> WHIC-SD-W314-EV-01, Rev. 0 HNF-PRO-433 HNF-PRO-435 FDNW TWRs Project Procedures Manual, Rev. 1, Sections 7, 8, and 24 FDNW practice 134.230.1111 FDNW practice 134.230.1112 FDNW practice 134.230.1113 FDNW practice 134.230.1145 FDNW practice 134.230.1150 FDNW practice 134.230.1170 	Y	11/6/98
DOE 6430.1A, 0150-5 <ul style="list-style-type: none"> Temporary security fences put up to: <ul style="list-style-type: none"> Exclude unauthorized traffic onto site Restrict unauthorized traffic to designated areas Protect construction materials and installed work Prevent vandalism and theft Provide level of integrity and a clear zone to suit site-specific conditions. Be consistent with site-specific security and protection goals 	<ul style="list-style-type: none"> FDNW TWRs Project Procedures Manual, Rev. 1, Sections 7 and 8 	Y	11/6/98
8.2.8 DOE 4700.1, III, Section D.2.1 <ul style="list-style-type: none"> Establish inspection methods of activities affecting quality. Inspections to validate conformance with prescribed documented instructions/procedures/drawings. Examine, measure, test materials/products processed for each work operation If direct inspection of processed materials/products not possible, provide indirect control by monitoring methods, equipment, and personnel. Indicate inspection points in appropriate documents. 	<ul style="list-style-type: none"> HNF-SD-W314-QAPP-001, Rev. 1, Attachment 1 HNF-PRO-297 FDNW TWRs Project Procedures Manual, Rev. 1, Sections 7, 8, and 23 FDNW practice 134.500.8350 	Y	11/6/98
DOE 4700.1, V, Section A.2.1 <ul style="list-style-type: none"> Establish comprehensive health and safety program to protect personnel, property, and to prevent delay from accidents, fires, etc. Consideration of safety requirements must begin early in planning phase. Safety included in all plans, studies, schedules, and cost estimates. 	<ul style="list-style-type: none"> WHIC-SD-W314-PAP-001, Rev. 0, All HNF-SD-W314-PMP-001, Rev. 0A, Section 2.1 FDNW TWRs Project Procedures Manual, Rev. 1, Sections 6 and 17 FDNW practice 134.653.xxxx (series of practices that outline a comprehensive safety program) 	Y	11/6/98

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2.2 10CFR830 Part 120 (c)(X)(i) <ul style="list-style-type: none"> Develop, implement, maintain written QAP. QAP-Describe organizational structure, functional responsibilities, levels of authority, and interfaces for those managing performing, and assessing work. QAP-Describe management processes, including planning, scheduling, and resource considerations. 	<ul style="list-style-type: none"> HNF-SD-W314-QAPP-001, Rev. 1, All HNF-SD-W314-FMP-001, Rev. 0A, Section 3.4 WHC-SD-W314-DRD-001, Rev. 1 FDNW TWRs Project Procedures Manual, Rev. 1, Section 23 HNF-PRO-261 	Y	11/6/98
2.3 10CFR830 Part 120 (c)(i) (ii) <ul style="list-style-type: none"> Personnel trained/qualified to ensure they are capable of performing assigned work. Provide continuing training to ensure job protection is maintained. 	<ul style="list-style-type: none"> HNF-PRO-163 HNF-PRO-167 HNF-PRO-169 HNF-PRO-170 HNF-PRO-172 HNF-PRO-174 HNF-PRO-175 HNF-PRO-176 HNF-PRO-177 HNF-PRO-178 HNF-PRO-179 HNF-PRO-347 HNF-PRO-459 	Y	11/6/98
2.4 10CFR830 Part 120(c)(X)(iii) <ul style="list-style-type: none"> Implement process to detect/prevent quality problems Identify/control correct items/services/processes not meeting requirements. Identify cause of problem and prevent recurrence. Review QA-related information and analyze data to identify areas for improvement. 	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 2.3 HNF-SD-W314-FMP-001, Rev. 0A, Section 2.1.3.3.L and 3.4 FDNW TWRs Project Procedures Manual, Rev. 1, Sections 3.1, 5, 7, 8, 13, and 14 HNF-PRO-266 (Testing) HNF-PRO-297 HNF-PRO-298 (NCRs) 	Y	11/6/98
2.5 10CFR830 Part 120 (c)(iv) <ul style="list-style-type: none"> Documents prepared/issued to specify requirements or establish design. Records specified, ... maintained 	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 2.4 HNF-SD-W314-FMP-001, Rev. 0A, Section 3.4.3 HNF-PRO-261 FDNW TWRs Project Procedures Manual, Rev. 1, All 	Y	11/6/98
2.6 10CFR830 Part 120 (c)(X)(v) <ul style="list-style-type: none"> Work performed to established technical standards and administrative controls. Work performed using approved instructions, procedures, other approved methods. Items identified/controlled to ensure their proper use. Items maintained to prevent damage, loss, or deterioration. Equipment used for process monitoring on data collection calibrated and maintained. 	<ul style="list-style-type: none"> HNF-SD-W314-FMP-001, Rev. 0A, Section 3.4 WHC-SD-WM-QAPP-018, Rev. 2, Section 3.1 W314 Construction and Procurement Specifications HNF-PRO-286 HNF-PRO-297 HNF-PRO-298 	Y	11/6/98
2.7 10CFR830 Part 120 (c)(X)(vi) <ul style="list-style-type: none"> Design using sound engineering/scientific principles/appropriate standards. Incorporate applicable requirements and design bases. Identify and control design interfaces. Verify adequacy of design/validate by individuals other than who performed work. Complete validation identification before approval and implementation of design. 	<ul style="list-style-type: none"> HNF-SD-W314-FMP-001, Rev. 0A, Section 3.4 WHC-SD-WM-QAPP-018, Rev. 2, Section 3.2 HNF-PRO-445 FDNW TWRs Project Procedures Manual, Rev. 1, Section 6 	Y	11/6/98

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2.8 10CFR830 Part 120 (c)(2)(ii) <ul style="list-style-type: none"> Procured items/services meet established requirements and perform as specified. Evaluate/select prospective suppliers on basis of specified criteria. Establish/implement processes to ensure approved suppliers continue to provide acceptable items and services. 	<ul style="list-style-type: none"> W314 Procurement Specifications: WHC-SD-WM-QAPP-018, Rev. 2, Section 3.3 HNF-PRO-123 FDNW TWRS Project Procedures Manual, Rev. 1, Section 13 Practice 000.420.1011 Practice 000.420.1211 Practice 000.450.1201 Practice 000.450.1601 	Y	11/6/98
2.9 10CFR830 Part 120 (c)(2)(iv) <ul style="list-style-type: none"> Inspect/test specified items/services/processes to established acceptance and performance criteria. Calibrate/maintain equipment used for inspections/tests. 	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 3.4 HNF-PRO-286 HNF-PRO-297 HNF-PRO-446 FDNW TWRS Project Procedures Manual, Rev. 1, Sections 6.5, 7, 8 FDNW practice 134.470.1611 FDNW practice 134.500.8104 FDNW practice 134.500.8340 FDNW practice 134.500.8354 FDNW practice 134.500.8355 	Y	11/6/98
2.10 10CFR830 Part 120 (c)(3)(i) <ul style="list-style-type: none"> Managers assess management processes. Identify/correct problems that hinder organization from achieving its objectives. 	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 4.1 HNF-PRO-246 FDNW TWRS Project Procedures Manual, Rev. 1, Section 23.3 FDNW practice 134.042.0031 FDNW practice 134.042.0120 FDNW practice 134.042.0130 	Y	11/6/98

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3.1 10CFR830 Part 120 (c)(2)(i) DOE-STD-1073-93, Section 2.1.2, Paragraph 6, Sentences 2 through 4 DOE-STD-1073-93, Section 2.2.1.5, Paragraph 1 CM equipment database; cross-reference SSCs with their design requirements, design basis, and associated documents.	<ul style="list-style-type: none"> See SRID 2.6 WHC-SD-WM-QAPP-018, Rev. 2, Section 2.4.2.2 (2) WHC-SD-WM-SEL-033*, All 	Y	11/10/98
3.1.2 DOE-STD-1073-93, Section 1.3.5.2	* Interim Safety Equipment List WHC-SD-W314-CM-001, Rev. 0, Section 10 FDSNW Technical Data Checklist, Item 8.g FDSNW TWRBS Project Procedures Manual, Rev. 1, Sections 6.7 and 7.3	Y	11/10/98
3.1.3 10CFR830 Part 120 (c)(4)(v)	See SRID 2.5	Y	11/10/98
3.2 DOE-STD-1073-93, Section 1.3.2.1, Paragraph C DOE-STD-1073-93, Section 1.3.2.1, Paragraph D DOE-STD-1073-93, Section 1.3.2.2	WHC-SD-WM-SEL-033, All WHC-SD-W314-DRD-001, Rev. 1, All WHC-SD-W314-PRD-001, Rev. 3, All Product Development Specifications WHC-SD-W314-DRD-001, Rev. 1, All WHC-SD-W314-PRD-001, Rev. 3, All Product Development Specifications	Y	11/10/98
3.2.1 DOE-STD-1073-93, Section 1.3.2.5, Paragraph b DOE-STD-1073-93, Section 2.2.1, Paragraph 2 DOE-STD-1073-93, Section 2.2.1.2, Paragraph 2	WHC-SD-WM-SEL-033, All WHC-SD-W314-DRD-001, Rev. 1, All WHC-SD-W314-PRD-001, Rev. 3, All Product Development Specifications HNF-IP-0842, Volume 4, Section 3.4, Rev. 1a HNF-IP-0842, Volume 4, Section 3.1.2, Rev. 1a	Y	11/10/98

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3.3	10CFR830 Part 120, Implementation Guide, Section 6.6	<ul style="list-style-type: none"> WHC-WM-QAPP-018, Rev. 2, Sections 2.3, 3.2, and 3.3 HNF-PRO-440, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Section 6.6 	Y	11/10/98
	DOE-STD-1073-93, Section 1.3.4.1	<ul style="list-style-type: none"> HNF-IP-0842, Volume 4, Section 3.11, Rev. 0a 		
	DOE-STD-1073-93, Section 1.3.4.2	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Sections 2.3, 3.2, and 3.3 HNF-IP-0842, Volume 4, Section 3.11, Rev. 0a HNF-PRO-440, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Section 6.6 		
	DOE-STD-1073-93, Section 1.3.4.3	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Sections 2.3, 3.2, and 3.3 HNF-IP-0842, Volume 4, Section 3.11, Rev. 0a HNF-PRO-440, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Section 6.6 		
	DOE-STD-1073-93, Section 1.3.4.4	<ul style="list-style-type: none"> WHC-SD-W314-TEP-001, Rev. 1 FDNW TWRs Project Procedures Manual, Sections 6.6 and 7.3 		
	DOE-STD-1073-93, Section 1.3.4.5	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Sections 2.3, 3.2, and 3.3 HNF-PRO-440, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Sections 6.6 and 7.3 		
	DOE-STD-1073-93, Section 2.4.1.1, Paragraph 2, Sentence 4	<ul style="list-style-type: none"> HNF-IP-0842, Volume 2, Section 4.8.3, Rev. 0 WHC-SD-W314-CM-001, Rev. 0 		
	DOE-STD-1073-93, Section 2.4.1.2, Paragraph 1	<ul style="list-style-type: none"> WHC-SD-W314-TEP-001, Rev. 1 FDNW TWRs Project Procedures Manual, Sections 6.6 and 7.3 		
	DOE-STD-1073-93, Section 2.4.2.1	<ul style="list-style-type: none"> WHC-SD-W314-TEP-001, Rev. 1 FDNW TWRs Project Procedures Manual, Sections 6.6 and 7.3 		

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19.2.1	DOE 5480.10, Section 9.a(3)	<ul style="list-style-type: none"> HNF-PRO-123, Rev. 1, Appendix A FDNW practice 134.200.0854 	Y	11/10/98
19.2.2	DOE 5483.1A, Chapter I, Section 5.a(1)	<ul style="list-style-type: none"> HNF-PRO-078, Rev. 1, All FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 	Y	11/10/98
	DOE 5483.1A, Chapter II, Section 1.a.	<ul style="list-style-type: none"> HNF-PRO-078, Rev. 1, All FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 		
	DOE 5483.1A, Chapter II, Section 1.b	<ul style="list-style-type: none"> HNF-PRO-078, Rev. 1, All FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 		
	DOE 5483.1A, Chapter II, Section 2	<ul style="list-style-type: none"> HNF-PRO-078, Rev. 1, All FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 		
19.3.2	ACGIH, Table of Contents Chemical Substances 1994-1995	<ul style="list-style-type: none"> HNF-PRO-409, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.3000 (and subliter practices) 	Y	11/10/98
	DOE 5480.10, Section 9.b(3)	<ul style="list-style-type: none"> HNF-PRO-409, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.3000 (and subliter practices) 		
19.3.2.1	29CFR1910 Part 120(b)(1)(v)	<ul style="list-style-type: none"> HNF-PRO-578, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.3007 	Y	11/10/98
	29CFR1910 Part 120(b)(1)(v)	<ul style="list-style-type: none"> HNF-PRO-578, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.3007 		
	29CFR1910 Part 120(b)(4)	<ul style="list-style-type: none"> HNF-PRO-578, Rev. 0 FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 FDNW practices 134.653.xxxx (IS&H practices) 		
19.3.2.2	29CFR1910 Part 120(g)(3)(D)	<ul style="list-style-type: none"> HNF-PRO-083 FDNW TWRs Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.2000 	Y	11/10/98

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19.3.2.3	29CFRI926 Part 21	<ul style="list-style-type: none"> ■ HNF-PRO-074, Rev. 1 ■ FDSNW practice 134.653.0205 ■ FDSNW practice 134.653.1009 ■ FDSNW practice 134.653.2320 ■ FDSNW practice 134.653.2308 ■ FDSNW practice 134.653.1008 ■ FDSNW practice 134.653.2318 ■ FDSNW practice 134.653.1008 ■ FDSNW practice 134.653.1010 ■ FDSNW practice 134.653.1008 ■ FDSNW practice 134.653.2000 ■ FDSNW practice 134.653.3008 ■ FDSNW practice 134.653.1000 ■ FDSNW practice 134.653.3000 ■ HNF-PRO-074, Rev. 1 ■ FDSNW practice 134.653.3008 ■ HNF-PRO-078, Rev. 1 ■ FDSNW practice 134.653.1010 ■ HNF-PRO-078 ■ HNF-PRO-586 ■ FDSNW practice 134.653.1004 ■ FDSNW practice 134.653.1006 ■ HNF-PRO-080 ■ FDSNW practice 134.653.2320 ■ FDSNW practice 134.653.1008 ■ HNF-PRO-115 ■ FDSNW practice 134.653.3002 ■ HNF-PRO-582 ■ FDSNW practice 134.653.3100 ■ HNF-PRO-120 ■ FDSNW practice 134.653.3000 ■ FDSNW practice 134.653.3008 	Y	11/11/98
	29CFRI926 Part 23			
	29CFRI926 Part 24			
	29CFRI926 Part 25			
	29CFRI926 Part 26			
	29CFRI926 Part 27			
	29CFRI926 Part 28			
	29CFRI926 Part 29			
	29CFRI926 Part 33			
	29CFRI926 Part 34			
	29CFRI926 Part 35			
	29CFRI926 Part 50			
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	29CFRI926 Part 52			
	29CFRI926 Part 54			
	29CFRI926 Part 55			

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19.3.2.3 (cont.)	29CFR1926 Part 56	<ul style="list-style-type: none"> ■ FDNW practice 134.653.1010 ■ FDNW practice 134.653.3008 	Y	11/11/98
	29CFR1926 Part 57	<ul style="list-style-type: none"> ■ HNF-PRO-110 ■ FDNW practice 134.653.3010 		
	29CFR1926 Part 58	<ul style="list-style-type: none"> ■ HNF-PRO-338 ■ FDNW practice 134.653.3001 		
	29CFR1926 Part 59	<ul style="list-style-type: none"> ■ HNF-PRO-578 ■ FDNW practice 134.653.3007 		
	29CFR1926 Part 62	<ul style="list-style-type: none"> ■ HNF-PRO-119 ■ FDNW practice 134.653.3005 		
	29CFR1926 Part 64	<ul style="list-style-type: none"> ■ HNF-PRO-074 ■ FDNW practice 134.653.1000 ■ FDNW practice 134.653.3000 		
	29CFR1926 Part 65	<ul style="list-style-type: none"> ■ HNF-PRO-580 ■ FDNW practice 134.230.1111 ■ FDNW practice 134.230.1130 ■ FDNW practice 134.653.2100 		
	29CFR1926 Part 200	<ul style="list-style-type: none"> ■ HNF-PRO-100 ■ HNF-PRO-101 ■ HNF-PRO-102 ■ FDNW practice 134.653.1005 ■ FDNW practice 134.653.2300 ■ FDNW practice 134.653.2314 		
	29CFR1926 Part 201	<ul style="list-style-type: none"> ■ HNF-PRO-100 ■ FDNW practice 134.653.1005 		
	29CFR1926 Part 202	<ul style="list-style-type: none"> ■ HNF-PRO-100 ■ FDNW practice 134.653.1005 		
	29CFR1926 Part 250	<ul style="list-style-type: none"> ■ HNF-PRO-091 ■ HNF-PRO-096 ■ FDNW practice 134.653.2305 ■ FDNW practice 134.653.2318 		
	29CFR1926 Part 251	<ul style="list-style-type: none"> ■ HNF-PRO-096 ■ FDNW practice 134.653.2305 		

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Manager (accountable function): Bill Hays

Assessor: Al Friberg

SRID REQUIREMENT		IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
19.3.2.3	29CFR1926 Part 252	<ul style="list-style-type: none"> HNF-PRO-576 FDNW practice 134.653.2313 	Y	11/1/198
	29CFR1926 Part 300	<ul style="list-style-type: none"> HNF-PRO-085 HNF-PRO-086 FDNW practice 134.653.2306 FDNW practice 134.653.2307 		
	29CFR1926 Part 301	<ul style="list-style-type: none"> HNF-PRO-085 FDNW practice 134.653.2307 		
	29CFR1926 Part 302	<ul style="list-style-type: none"> HNF-PRO-085 FDNW practice 134.653.2307 		
	29CFR1926 Part 303	<ul style="list-style-type: none"> HNF-PRO-085 FDNW practice 134.653.2307 		
	29CFR1926 Part 304	<ul style="list-style-type: none"> HNF-PRO-085 FDNW practice 134.653.2307 		
	29CFR1926 Part 305	<ul style="list-style-type: none"> HNF-PRO-085 FDNW practice 134.653.2307 		
	29CFR1926 Part 307	<ul style="list-style-type: none"> HNF-PRO-086 FDNW practice 134.653.2306 		
	29CFR1926 Part 350	<ul style="list-style-type: none"> FDNW practice 134.653.2308 		
	29CFR1926 Part 351	<ul style="list-style-type: none"> FDNW practice 134.653.2308 		
	29CFR1926 Part 352	<ul style="list-style-type: none"> FDNW practice 134.653.2308 		
	29CFR1926 Part 353	<ul style="list-style-type: none"> FDNW practice 134.653.2308 		
	29CFR1926 Part 354	<ul style="list-style-type: none"> FDNW practice 134.653.2308 		
	29CFR1926 Part 403	<ul style="list-style-type: none"> HNF-PRO-081 HNF-PRO-088 HNF-PRO-089 FDNW practice 134.653.2309 FDNW practice 134.653.2310 FDNW practice 134.653.2315 		
	29CFR1926 Part 404	<ul style="list-style-type: none"> HNF-PRO-088 HNF-PRO-089 FDNW practice 134.653.2309 FDNW practice 134.653.2310 		

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Al Friberg

Manager (accountable function): Bill Hays

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19.3.2.3 (cont.)	29CFR1926 Part 405	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 	Y	11/1/98
	29CFR1926 Part 406	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 407	<ul style="list-style-type: none"> ■ HNF-PRO-081 ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 408	<ul style="list-style-type: none"> ■ HNF-PRO-081 ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
29CFR1926 Part 416	29CFR1926 Part 416	<ul style="list-style-type: none"> ■ HNF-PRO-081 ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 417	<ul style="list-style-type: none"> ■ HNF-PRO-081 ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 431	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 451	<ul style="list-style-type: none"> ■ HNF-PRO-095 ■ FDNW practice 134.653.2303 		
29CFR1926 Part 453	29CFR1926 Part 453	<ul style="list-style-type: none"> ■ HNF-PRO-093 ■ FDNW practice 134.653.2205 		
	29CFR1926 Part 500	<ul style="list-style-type: none"> ■ HNF-PRO-091 ■ HNF-PRO-092 ■ FDNW practice 134.653.2001 ■ FDNW practice 134.653.2318 		
	29CFR1926 Part 550	<ul style="list-style-type: none"> ■ FDNW practice 134.653.2317 		

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Al Friberg

Manager (accountable function): Bill Hays

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19.3.2.3	29CFR1926 Part 552	<ul style="list-style-type: none"> HNF-PRO-093 FDSW practice 134.653.2205 	Y	11/11/98
	29CFR1926 Part 554	<ul style="list-style-type: none"> HNF-PRO-093 FDSW practice 134.653.2205 		
	29CFR1926 Part 600	<ul style="list-style-type: none"> HNF-PRO-100 FDSW practice 134.653.1005 		
	29CFR1926 Part 601	<ul style="list-style-type: none"> HNF-PRO-100 FDSW practice 134.653.1005 		
	29CFR1926 Part 602	<ul style="list-style-type: none"> HNF-PRO-086 HNF-PRO-100 FDSW practice 134.653.1005 FDSW practice 134.653.2306 		
	29CFR1926 Part 604	<ul style="list-style-type: none"> HNF-PRO-100 FDSW practice 134.653.1005 		
	29CFR1926 Part 651	<ul style="list-style-type: none"> HNF-PRO-090 FDSW practice 134.653.2311 		
	29CFR1926 Part 652	<ul style="list-style-type: none"> HNF-PRO-090 FDSW practice 134.653.2311 		
	29CFR1926 Part 701	<ul style="list-style-type: none"> HNF-PRO-083 HNF-PRO-577 FDSW practice 134.653.2000 FDSW practice 134.653.2312 		
	29CFR1926 Part 702	<ul style="list-style-type: none"> HNF-PRO-577 FDSW practice 134.653.2312 		
	29CFR1926 Part 703	<ul style="list-style-type: none"> HNF-PRO-577 FDSW practice 134.653.2312 		
	29CFR1926 Part 704	<ul style="list-style-type: none"> HNF-PRO-577 FDSW practice 134.653.2312 		
	29CFR1926 Part 705	<ul style="list-style-type: none"> HNF-PRO-577 FDSW practice 134.653.2312 		
	29CFR1926 Part 706	<ul style="list-style-type: none"> HNF-PRO-577 FDSW practice 134.653.2312 		

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19.3.2.3 (cont.)	29CFR1926 Part 750	<ul style="list-style-type: none"> ■ HNF-PRO-591 ■ FDNW practice 134.653.2317 	Y	11/11/98
	29CFR1926 Part 751	<ul style="list-style-type: none"> ■ HNF-PRO-591 ■ FDNW practice 134.653.2317 		
	29CFR1926 Part 752	<ul style="list-style-type: none"> ■ HNF-PRO-591 ■ FDNW practice 134.653.2317 		
	29CFR1926 Part 950	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 951	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 952	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 953	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 954	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 955	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 		
	29CFR1926 Part 956	<ul style="list-style-type: none"> ■ HNF-PRO-088 ■ HNF-PRO-089 ■ HNF-PRO-090 ■ FDNW practice 134.653.2309 ■ FDNW practice 134.653.2310 ■ FDNW practice 134.653.2311 		

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19.2.3 (cont.)	29CFR1926 Part 1051	<ul style="list-style-type: none"> ■ HNF-PRO-091 ■ HNF-PRO-092 ■ HNF-PRO-094 ■ FDNW practice 134.653.2001 ■ FDNW practice 134.653.2302 ■ FDNW practice 134.653.2318 	Y	11/11/98
		<ul style="list-style-type: none"> ■ HNF-PRO-091 ■ FDNW practice 134.653.2318 		
		<ul style="list-style-type: none"> ■ HNF-PRO-094 ■ FDNW practice 134.653.2302 		
		<ul style="list-style-type: none"> ■ HNF-PRO-094 ■ FDNW practice 134.653.2302 		
		<ul style="list-style-type: none"> ■ HNF-PRO-580 ■ FDNW practice 134.653.1000 		
19.3	29CFR1910 Part 120(b)(4)(v)	<ul style="list-style-type: none"> ■ HNF-PRO-580 ■ FDNW practice 134.653.1000 	Y	11/11/98
		<ul style="list-style-type: none"> ■ DOE 5480.10, Section 9.a(4) 		
		<ul style="list-style-type: none"> ■ DOE 5480.10, Section 9.b(5) 		
		<ul style="list-style-type: none"> ■ HNF-PRO-580 ■ FDNW practice 134.653.1000 ■ FDNW practice 134.653.3000 		
		<ul style="list-style-type: none"> ■ HNF-PRO-580 ■ FDNW practice 134.653.1000 ■ FDNW practice 134.653.3000 		
19.6.1	DOE 5480.10, Section 9.f(2)	<ul style="list-style-type: none"> ■ HNF-PRO-580 ■ FDNW practice 134.653.1000 ■ FDNW practice 134.653.3000 	Y	11/11/98
		<ul style="list-style-type: none"> ■ HNF-PRO-580 ■ FDNW practice 134.653.1000 ■ FDNW practice 134.653.3000 		
		<ul style="list-style-type: none"> ■ DOE 5483.1A, Chapter I, Section 5.d 		
		<ul style="list-style-type: none"> ■ DOE 5483.1A, Chapter III, Section 2 		
		<ul style="list-style-type: none"> ■ HNF-PRO-077 ■ FDNW practice 134.653.1202 		

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PHI OK Y/N	ASSESS DATE
16.1.1 DOE SR20.2A, Chapter II, Section 3.a(1) ■ Evaluate material suspected of being contaminated with transuranium radionuclides as early as possible. ■ Determine if: - Recoverable material - Transuranic waste - Low-level waste - Nonradioactive trash ■ Avoid comingling	■ HNF-PRO-1622, Rev. 0 ■ Hanford Site Radiological Control Manual (HSRCM-1), Rev. 2	Y	11/11/98
DOE SR20.2A, Chapter II, Section 3.a (3)	■ HNF-PRO-1622, Rev. 0 ■ FDNW practice 134.230.111.2		

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SRD REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
16.1.3 40CFR262 Part 11 (a) through © Determine if waste is hazardous waste by: - Determining if waste excluded from regulation. - Determining if waste listed. - Determining if exhibits hazardous characteristics.	<ul style="list-style-type: none"> HNF-PRO-455, Section 2.45 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 	Y	11/1/198
40CFR268 Part 9(a) Initial generation must determine EPA work codes in order to determine applicable treatment standards.	<ul style="list-style-type: none"> HNF-PRO-455, Sections 2.4.5.1 and 2.4.6 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 0702(a) Once waste determined to be dangerous waste, any solid waste generated from recycling, storage, or disposal of that waste is also dangerous waste.	<ul style="list-style-type: none"> HNF-PRO-455, Section 2.4.7.3 		
WAC 173-303 0702(b) Materials reclaimed from solid waste and used beneficially are not dangerous waste.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 0703 Designation procedures.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 0705 Designate waste per characteristics and criteria.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 0706 Dangerous waste numbers for designation purposes.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 081 Designate specifically listed materials as dangerous waste.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 081(3) Designate those listed as discarded chemical products as dangerous waste.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 081(4) Definition of acutely hazardous waste. Designation numbers.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 082(1) Dangerous waste source list. If appropriate on this list, designate as dangerous waste.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 082(3) If mix non-dangerous waste with dangerous waste, entire mixture becomes dangerous waste.	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWR3 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 082(4)			

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(cont') 16.1.3 WAC 173-303 090(5) <ul style="list-style-type: none"> Characteristic of ignitability. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 	Y	11/11/98
WAC 173-303 090(6) <ul style="list-style-type: none"> Characteristic of corrosivity 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 090(7) <ul style="list-style-type: none"> Characteristic of reactivity. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 090(80) <ul style="list-style-type: none"> Characteristic of toxicity. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 100(3) <ul style="list-style-type: none"> Refer to NIOSH RTECS to determine toxicity data. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 100(5) <ul style="list-style-type: none"> Toxicity criteria. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 100(5)(a) <ul style="list-style-type: none"> If waste undesignated for known toxicity characteristics, then entire waste is not designated for toxicity. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 100(5)(b) <ul style="list-style-type: none"> Determining toxicity criteria by book designation. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 100(5)(c) <ul style="list-style-type: none"> Designation from bioassay data. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 100(5)(d) <ul style="list-style-type: none"> If information from bioassay data and book designation do not agree, use bioassay data. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 100(5)(e) <ul style="list-style-type: none"> Designation by toxicity criteria shall be assigned waste number of WTOZ. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 100(6) <ul style="list-style-type: none"> Persistence criteria. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 		
WAC 173-303 120(1) <ul style="list-style-type: none"> Dangerous wastes that are recycled are subject to requirements for generators. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRIS Project Procedures Manual, Rev. 1, Section 24 		

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16.1.3 (cont.)			
<p>WAC 173-303 120 (1)</p> <ul style="list-style-type: none"> Dangerous wastes that are recycled are subject to requirements for generators, transporters, and storage facilities. <p>WAC 173-303 120 (2)</p> <ul style="list-style-type: none"> List of recycled material that are also solid waste, and sometimes dangerous waste. <p>WAC 173-303 120 (3)</p> <ul style="list-style-type: none"> List of recycled materials not subject to dangerous waste regulations. <p>WAC 173-303 120(4)</p> <ul style="list-style-type: none"> Recycling processes not specifically discussed are subject to regulation. <p>WAC 173-303 150(1)</p> <ul style="list-style-type: none"> Any intent to evade intent of regulations by dividing or diluting to change designation is prohibited. <p>WAC 173-303 150(2)</p> <ul style="list-style-type: none"> Separation of a homogeneous waste into a heterogeneous shall not be considered as division, provided that waste is designated before separation, or each phase of heterogeneous waste is designated separately. <p>WAC 173-303 170(1)</p> <ul style="list-style-type: none"> A person is a dangerous waste generator if solid waste is designated by requirements of WAC 173-303 070 through 100. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1110 HNF-PRO-455 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 	Y	11/11/98
<p>16.2.1 DOF 5820.2A, Chapter III, Section 3.1(S)(c)</p> <ul style="list-style-type: none"> Waste must not be capable of detonating, explosive decomposition, or retention at normal pressures/temperatures. <p>DOF 5820.2A, Chapter III, Section 3.1(S)(d)</p> <ul style="list-style-type: none"> Waste must not contain or be capable of generating toxic gases, vapors, fumes, etc. <p>DOF 5820.2A, Chapter III, Section 3.1(S)(e)</p> <ul style="list-style-type: none"> Waste in gaseous form must be packaged at pressures not exceeding 1.5 ATM at 20° C. <p>DOF 5820.2A, Chapter III, Section 3.1(S)(f)</p> <ul style="list-style-type: none"> Waste must not be pyrophoric. <p>16.2.2 WAC 173 303 140(2)</p> <ul style="list-style-type: none"> Waste exhibiting characteristics described under WAC 173-303 090 shall be assigned number corresponding to characteristic exhibited by waste. <p>WAC 173 303 161</p> <ul style="list-style-type: none"> Small containers of dangerous waste may be placed in overpack drums. <p>WAC 173-303 195(6)</p> <ul style="list-style-type: none"> Labeling for containers and tanks. 		Y	11/11/98

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16.2.3	40CFR761 Part 40(a) ▪ Marking of PCB items.	▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1125	Y	11/11/98
	40CFR761 Part 40(b) ▪ Marking of PCB transport vehicles.	▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1125 ▪ FDNW practice 134.230.1135		
	40CFR761 Part 40(c) ▪ PCB concentration threshold for marking.	▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1125 ▪ FDNW practice 134.230.1135		
	40CFR761 Part 40(h) ▪ Marking position on transport vehicles.	▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1125 ▪ FDNW practice 134.230.1135		
	40CFR45 ▪ PCB marking format	▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24		
	40CFR761 Part 60(a)(1)(2) ▪ PCB disposal requirements.	▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1125		
	40CFR761 Part 65© ▪ Temporary PCB storage requirements.	▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1125		
16.4.1	DOE S820.2A, Chapter III, Section 3-c(2) ▪ All DOE low-level waste generators shall establish auditable programs to ensure that amount of low-level waste generated/shipped is minimized.	▪ HNF-PRO-462 ▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1170	Y	11/11/98
16.4.4	WAC 173-303 210(3) ▪ Generator shall keep records of test results, waste analysis, and other records used to designate waste for 5 years.	▪ HNF-PRO-455 ▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1111	Y	11/11/98
	WAC 173-303 210(4) ▪ Other records, such as inspection logs, must also be retained for 5 years.	▪ HNF-PRO-455		
16.7	DOE S820.2A, Chapter III, Section 3-c(1) ▪ Technical/administrative controls to reduce amount of waste generated - amount of rad waste requiring disposal.	▪ HNF-PRO-462 ▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1170	Y	11/11/98
	DOE S820.2A, Chapter III, Section 3-c(3) ▪ Separate uncontaminated waste from contaminated low-level waste to facilitate cost-effective treatment/disposal.	▪ HNF-PRO-462 ▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1170		
	DOE S820.2A, Chapter III, Section 3-c(4) ▪ Incorporate principles into design to minimize low-level waste	▪ HNF-PRO-462 ▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1170		
	DOE S820.2A, Chapter III, Section 3-a(2) ▪ Released to atmosphere meet requirements of 40CFR61.	▪ HNF-PRO-450 ▪ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ▪ FDNW practice 134.230.1145		

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Assessor: Al Friberg

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16.8.2 WAC 173-303 395(3) <ul style="list-style-type: none"> Asbestos waste disposal requirements per 40CFR61, subpart M. WAC 173-303 395(6) <ul style="list-style-type: none"> Label containers in a manner that describes risk. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1113 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 	Y	11/11/98
16.8.2.1 WAC 173-303 160(1) <ul style="list-style-type: none"> Calculating waste quantity; do not include containers and inner linings. WAC 173-303 160(2) <ul style="list-style-type: none"> Management of empty containers. WAC 173-303 200(1) <ul style="list-style-type: none"> Mark each container with words "dangerous" or "Hazardous" waste. WAC 173-303 630(2) <ul style="list-style-type: none"> Conditions of containers. WAC 173-303 630(4) <ul style="list-style-type: none"> Compatibility of waste with containers. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 	Y	11/11/98
WAC 173-303 630(5)(a) <ul style="list-style-type: none"> Container holding dangerous waste must always be closed, except when adding waste. WAC 173-303 630(5)(b) <ul style="list-style-type: none"> Handling of dangerous waste containers. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 		
WAC 173-303 630(8)(a) <ul style="list-style-type: none"> Container holding reactive waste. WAC 173-303 630(9)(a) <ul style="list-style-type: none"> Incompatible wastes. WAC 173-303 630(9)(b) <ul style="list-style-type: none"> Unwashed co containers. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 		
40CFR265 406 <ul style="list-style-type: none"> Hazardous waste must not be placed in unwashed treatment equipment. 40CFR61 150(a)(1) <ul style="list-style-type: none"> Discharge no visible emissions during collections, processing, packaging, transportation of waste. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1111 		

PROJECT W-314 SRIDS ASSESSMENT

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Manager (accountable function): Bill Hays

Assessor: Al Friberg

SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
16.8.3. 40CFR61.150(a)(5) <ul style="list-style-type: none"> Waste disposal requirements for nonfriable asbestos. 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1113 	Y	11/11/98
94-FDB-015, Section A <ul style="list-style-type: none"> Disposal of RADCM (asbestos). 	<ul style="list-style-type: none"> HNF-PRO-455 FDNW practice 134.230.1113 		
94-FDB-015, Section B <ul style="list-style-type: none"> Notification requirements for asbestos work. 	<ul style="list-style-type: none"> HNF-PRO-450 FDNW practice 134.230.1145 		
WAC 296-65, Section 020 <ul style="list-style-type: none"> Notification requirements for asbestos work. 	<ul style="list-style-type: none"> HNF-PRO-450 FDNW practice 134.230.1145 		
16.8.4. WAC 173-303 640(d)(6) <ul style="list-style-type: none"> Secondary containment requirements for tank systems. 	<ul style="list-style-type: none"> WHC-SD-W314-DRD-001, Rev. 1, Section 3.3 	Y	11/11/98
WAC 173-303 640(d)(6) <ul style="list-style-type: none"> Requirements of secondary containment systems. 	<ul style="list-style-type: none"> WHC-SD-W314-DRD-001, Rev. 1, Section 3.3 WHC-SD-W314-FRD-001, Rev. 3, Appendix C 		
WAC 173-303 640(d)(7) <ul style="list-style-type: none"> Secondary containment of ancillary equipment. 	<ul style="list-style-type: none"> WHC-SD-W314-FRD-001, Rev. 3, Appendix C 		
WAC 173-303 640(d)(8) <ul style="list-style-type: none"> Design tank systems to prevent escape of vapors, fumes, etc. 	<ul style="list-style-type: none"> WHC-SD-W314-FRD-001, Rev. 3, Appendix C 		
16.8.6. 40CFR279 Part 10(b)(1) <ul style="list-style-type: none"> Mixtures of used oil and hazardous waste. 	<ul style="list-style-type: none"> HNF-PRO-455 	Y	11/11/98
40CFR279 Part 10(b)(2) <ul style="list-style-type: none"> Characterization of mixtures of used oil and hazardous waste. 	<ul style="list-style-type: none"> HNF-PRO-455 		
40CFR279 Part 21 <ul style="list-style-type: none"> Management requirement for mixture of used oil and hazardous waste. 	<ul style="list-style-type: none"> HNF-PRO-455 		
40CFR279 Part 22 <ul style="list-style-type: none"> Used oil storage. 	<ul style="list-style-type: none"> HNF-PRO-455 		
40CFR279 Part 81 <ul style="list-style-type: none"> Disposal of hazardous used oil. 	<ul style="list-style-type: none"> HNF-PRO-455 		
WAC 173-303 515(d)(b) <ul style="list-style-type: none"> Designation of used oil. 	<ul style="list-style-type: none"> HNF-PRO-455 		
WAC 173-303 515(d)(c) <ul style="list-style-type: none"> Used oil definition. 	<ul style="list-style-type: none"> HNF-PRO-455 		

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Bill Hays

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	SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
18.3	DOE 5480.23, Section 8 DOE 5480.23, Section 8.a.(1) DOE 5480.23, Section 7.f.(1) DOE 5480.23, Section 8.b.(1) DOE 5480.23, Section 8.b.(2) DOE 5480.23, Section 8.b.(3)	<ul style="list-style-type: none"> HNF-SD-W314-PMP-001, Rev. 0A, Appendix E WHC-SD-W314-PAP-001, Rev. 0, All WHC-SD-W314-PAP-001, Rev. 0, All WHC-SD-W314-PAP-001, Rev. 0, All WHC-SD-W314-PAP-001, Rev. 0, All WHC-SD-W314-PAP-001, Rev. 0, All HNF-PRO-703 FDNW practice 134.290.1151 See SRID Section 12 	Y	11/1/98
18.3.1	DOE 5480.23, Section 8.a.(1) DOE 5480.23, Section 8.b.(2) DOE 5480.23, Section 8.b.(3)	<ul style="list-style-type: none"> WHC-SD-W314-PAP-001, Rev. 0, All WHC-SD-W314-PAP-001, Rev. 0, All HNF-PRO-703 FDNW practice 134.290.1151 See SRID Section 12 	Y	11/1/98
18.3.2	DOE 5480.23, Section 8.c.(1) DOE 5480.23, Section 8.c.(2) DOE 5480.23, Section 8.c.(3)	<ul style="list-style-type: none"> WHC-SD-W314-PAP-001, Rev. 0, All WHC-SD-W314-PAP-001, Rev. 0, All WHC-SD-W314-PAP-001, Rev. 0, All 	Y	11/1/98
18.4	DOE 5480.22, Section 9.a Prepare, submit, and operate using TSRS. DOE 5480.22, Section 9.b, Sentences 1 and 2 TSR requirements. DOE 5480.22, Section 9.c.(3)(a) Limiting Control Settings (LCS) required. DOE 5480.22, Section 9.c.(3)(b) Limiting Conditions for Operation (LCO) required. DOE 5480.22, Section 9.c.(4) Surveillance Requirements	<ul style="list-style-type: none"> HNF-PRO-700, Rev. 1, Section 2.0 	Y	11/1/98
18.5	DOE 5480.21, Chapter III, Section 3.C Establish authorization basis for use in USQ process. DOE 5480.21, Chapter III, Section 8, Sentence 1 USQ training required.	<ul style="list-style-type: none"> HNF-IP-0842, Vol. IV, Section 5.4, Rev. 10c, Attachment A HNF-IP-0842, Vol. III, Section 10.8, Rev. 1b, Section 5 	Y	11/1/98

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Bill Hays

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH I OK Y/N	ASSESS DATE
20.2.2.1 40CFR61 Part 9 <ul style="list-style-type: none"> Notification of startup of stationary source of air pollution. 	<ul style="list-style-type: none"> HNF-PRO-453 FDNW TWR5 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1145 	Y	11/1/98
LAPCA REG1, Article 8, Section 8.03 <ul style="list-style-type: none"> Unexpected discovery of asbestos during renovation/demolition. All work must stop until inspection/notification is made. 	<ul style="list-style-type: none"> HNF-PRO-453 FDNW TWR5 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1145 		
WAC 173-460 0400(1)(a) <ul style="list-style-type: none"> Notify regulator prior to construction, installation, establishment of any new toxic air pollution source. 	<ul style="list-style-type: none"> HNF-PRO-453 FDNW TWR5 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1145 		
WAC 246-247, Section 060(1) <ul style="list-style-type: none"> Early in design, submit NOC. 	<ul style="list-style-type: none"> HNF-PRO-453 FDNW TWR5 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1145 		
WAC 173-460 050(1)(a) <ul style="list-style-type: none"> Requirements for applying for NOC. 	<ul style="list-style-type: none"> HNF-PRO-453 FDNW TWR5 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1145 		
WAC 173-460 060 <ul style="list-style-type: none"> Cannot establish new toxic air pollution source without installing and operating T3BACT. 	<ul style="list-style-type: none"> HNF-PRO-453 FDNW TWR5 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1145 		
WAC 173-460 080(1)(2) <ul style="list-style-type: none"> Owner/operator of new toxic air pollutant source completes an acceptable source impact level analysis. Dispersion modeling requirements. 	<ul style="list-style-type: none"> HNF-PRO-453 FDNW TWR5 Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.230.1145 		
202.2.3 FF-01 <ul style="list-style-type: none"> Condition/limitation of rad emissions 	<ul style="list-style-type: none"> HNF-PRO-453 	Y	11/1/98
WAC 246-247 060(4) <ul style="list-style-type: none"> 7 days notification prior to planned preoperational test of emission unit. 	<ul style="list-style-type: none"> HNF-PRO-453 		
WAC 246-247 075(11) <ul style="list-style-type: none"> Planning for construction of new emission unit must address accidental releases. 	<ul style="list-style-type: none"> HNF-PRO-453 		
WAC 246-247 110(9) <ul style="list-style-type: none"> Describe effluent monitoring system for proposed control system. 	<ul style="list-style-type: none"> HNF-PRO-453 		
WAC 246-247 120, Appendix B <ul style="list-style-type: none"> BARCT compliance demonstration. 	<ul style="list-style-type: none"> HNF-PRO-453 		
WAC 246-247 130, Appendix C <ul style="list-style-type: none"> ALARA/ACT demonstration. 	<ul style="list-style-type: none"> HNF-PRO-453 		

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Bill Hays

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
20.3.1 DOE 5400.1, Chapter IV, Section 7.a <ul style="list-style-type: none"> ■ Radiological monitoring - compliance with 40CFR61. ■ Air emission monitoring. 	<ul style="list-style-type: none"> ■ HNF-PRO-453 ■ HNF-PRO-453 	Y	11/1/98
DOE 5400.1, Chapter IV, Section 8.a(1) DOE 5820.2A, Chapter 1, Section 3.6(3)(b) <ul style="list-style-type: none"> ■ Design of leak detection systems. 	<ul style="list-style-type: none"> ■ WHC-SD-W314-DRD-001, Rev. 1, Sections 3.3 and 3.7 ■ WHC-SD-W314-FRD-001, Rev. 3, Appendix A 		
WAC 246-247 075(2) <ul style="list-style-type: none"> ■ Equipment/procedures for continuous monitoring of air emissions. 	<ul style="list-style-type: none"> ■ HNF-PRO-453 		
20.4 WAC 173-303 355(2) <ul style="list-style-type: none"> ■ Use computer model to determine impact of a potential catastrophic air release. 	<ul style="list-style-type: none"> ■ PSE 	Y	11/1/98
20.4.1 WAC 173-201A 040(1) <ul style="list-style-type: none"> ■ Do not introduce toxic substances into waters of the U.S. ■ Activities which generate nonpoint source pollution shall comply with water quality standards. 	<ul style="list-style-type: none"> ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ■ FDNW practice 134.230.1150 	Y	11/1/98
WAC 173-201A 160(3)(a) WAC 173-201A 160(3)(b)(c)(d) <ul style="list-style-type: none"> ■ Best management practice to prevent violation of water quality standards. 	<ul style="list-style-type: none"> ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ■ FDNW practice 134.230.1150 		
WAC 173-400 040 <ul style="list-style-type: none"> ■ General standards for maximum emissions (air). 	<ul style="list-style-type: none"> ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ■ FDNW practice 134.230.1150 		
WAC 173-400 040 (1) <ul style="list-style-type: none"> ■ No visible emissions. 	<ul style="list-style-type: none"> ■ HNF-PRO-453 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ■ FDNW practice 134.230.1145 		
WAC 173-400 040 (2) <ul style="list-style-type: none"> ■ Do not permit fallout of particulate matter beyond site boundary. 	<ul style="list-style-type: none"> ■ HNF-PRO-453 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ■ FDNW practice 134.230.1145 		
WAC 173-400 040 (3)(4)(5)(7)(8) <ul style="list-style-type: none"> ■ Fugitive emissions. ■ Odors. ■ Emissions detrimental to persons/property. ■ Concealment and masking. 	<ul style="list-style-type: none"> ■ HNF-PRO-453 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ■ FDNW practice 134.230.1145 		
20.4.3 40CFR61 Part 92 <ul style="list-style-type: none"> ■ Limit on emissions of radionuclides to ambient air. 	<ul style="list-style-type: none"> ■ HNF-PRO-453 	Y	11/1/98
WAC 246-247 040(3) <ul style="list-style-type: none"> ■ All new construction use BARCT to control emissions. 	<ul style="list-style-type: none"> ■ HNF-SD-W314-FNP-001, Rev. 0A, Section 5 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ■ FDNW practice 134.230.1145 		
20.6 WAC 173-303 145(1)(2)(3) <ul style="list-style-type: none"> ■ Reporting/cleanup of spills and releases. 	<ul style="list-style-type: none"> ■ HNF-PRO-453 ■ FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 ■ FDNW practice 134.230.1161 	Y	11/1/98

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg		Manager (accountable function): Bill Hays		Page 3 of 3	
SRID REQUIREMENT		IMPLEMENTING DOCUMENT(S)		PH 1 OK Y/N	ASSESS DATE
20.6.4 40CFR 61 Part 92 ▪ Limits on emissions of radionuclide sources.		▪ HNF-PRO-453		Y	11/1/98

PROJECT W-314 SRIDS ASSESSMENT

Assessor: AJ Friberg

Manager (accountable function): AJ Friberg

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SRID REQUIREMENT		IMPLEMENTING DOCUMENT(S)	PH I OK Y/N	ASSESS DATE
4.1.1	WAC-173-300, Section 330(1)	<ul style="list-style-type: none"> HNF-PRO-459 FDNW TWRS Project Procedures Manual, Rev. 1, Section 24 FDNW practice 134.653.1181 	Y	11/1/98
4.1.2	DOE 5480.20A, Chapter 1, Section 3	<ul style="list-style-type: none"> FDNW practice 134.000.0205 FDNW practice 134.653.1004 	Y	11/1/98
4.2	10CFR330 Part 120 (g)(1)(H)	<ul style="list-style-type: none"> HNF-PR-0842, Volume 2 HNF-PRO-1176 FDNW TWRS Project Procedures Manual, Rev. 1, Sections 3.1, 6.1, and 24.5 FDNW practice 134.000.0205 	Y	11/1/98
4.3.1	DOE 5480.20A, Chapter 1, Section 7.e Introduction	<ul style="list-style-type: none"> HNF-PRO-057 	Y	11/1/98
4.3.1.1	29CFR1910 Part 332 (b)(3)	<ul style="list-style-type: none"> HNF-PRO-081 FDNW TWRS Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.2315 	Y	11/1/98
	29CFR1910 Part 1200(b)	<ul style="list-style-type: none"> HNF-PRO-578 FDNW TWRS Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.3007 		
	29CFR1910 Part 1200(b)(1)	<ul style="list-style-type: none"> HNF-PRO-578 FDNW TWRS Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.3007 		
	29CFR1910 Part 1200(b)(2)	<ul style="list-style-type: none"> HNF-PRO-678 FDNW TWRS Project Procedures Manual, Rev. 1, Section 17 FDNW practice 134.653.3007 		
4.3.6	DOE 5480.20A, Chapter 1, Section 7.g(3)	<ul style="list-style-type: none"> HNF-PRO-386 FDNW practice 134.653.3007 	Y	11/1/98
	DOE/HQ256T, Chapter 6, Part 5, Article 654.3	<ul style="list-style-type: none"> HNF-PRO-386 		

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Assessor: Al Friberg

Manager (accountable function): Bill Hays

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	SRID OK Y/N	PH.1 OK Y/N	PH.2 OK Y/N	ASSESS DATE
12.1.1 DOE 5480.7A, Section 8.1 Maintain access to fire protection staff Fire protection engineer for design reviews.	<ul style="list-style-type: none"> HNF-PRO-349, Rev. 0, Section 2.7 HNF-PRO-340 HNF-PRO-342 		Y		11/9/98
12.1.2 DOE 5480.7A, Section 9(2)			Y		11/9/98
12.1.2.6 DOE 5480.7, Section 8.7 Annual fire prevention training	<ul style="list-style-type: none"> WHC-SD-W314-PAP-001, Rev. 0, Section 5.0 HNF-PRO-347, Rev. 0 		Y		11/9/98
12.2 DOE 5480.7, Section 5.a through 5.h	<ul style="list-style-type: none"> WHC-SD-W314-DRD-001, Rev. 1, Section 3.3.1.9 		Y		11/9/98
12.2.2.1 RLID 5480.7, Section 8.98	<ul style="list-style-type: none"> HNF-PRO-353, Rev. 0 		Y		11/9/98
12.2.7 RLID 5480.7, Section 8.4.a	<ul style="list-style-type: none"> FDNW practice 134.653.2100 FDNW practice 134.653.2101 FDNW practice 134.653.2308 		Y		11/9/98
12.4.5.1 DOE 6430.1A, Section 1530-99.0[21]	<ul style="list-style-type: none"> WHC-SD-W314-DRD-001, Rev. 1, Section 3.3.1.9 		Y		11/10/98
12.4.5.2 DOE 6430.1A, Section 1605-1(2) UL- or FM-listed materials and equipment required.	<ul style="list-style-type: none"> Specification W314-C1, Rev. 0, Section 16400 		Y		11/10/98
12.4.5.3 DOE 6430.1A, Section 1605-2.1.4 Rigid steel conduits shall be used in hazardous locations.	<ul style="list-style-type: none"> Specification W314-C1, Rev. 0, Section 16400 		Y		11/10/98

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Assessor: Al Friberg

Manager (accountable function): Al Friberg

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9.8 DOE 5480.19, Chapter VIII, Section C.2, Paragraph 2, Sentence 3, and Paragraph 3 Records of equipment and system alignment should be retained for reference by the operating shift.	<ul style="list-style-type: none"> HNF-SD-W314-TEP-001, Rev. 1 	Y	11/1/98
DOE 5480.19, Chapter VIII, Section C.2, Paragraph 1, Sentence 1 DOE 5480.19, Chapter VIII, Section C.3, Sentence 1-4 DOE 5480.19, Chapter IX, Section C.10.a	<ul style="list-style-type: none"> HNF-SD-W314-TEP-001, Rev. 1 HNF-SD-W314-TEP-001, Rev. 1 HNF-PRC-081 	Y	11/1/98
9.10 DOE 5480.19, Chapter X, Section C.1, Sentence 5	<ul style="list-style-type: none"> HNF-IP-0842, Vol. 4, Section 5.2 HNF-IP-0842, Vol. 2, Section 4.10 	Y	11/1/98
9.18 DOE 5480.19, Chapter XVIII, Section C.1 DOE 5480.19, Chapter XVIII, Section C.2, Paragraph 1, Sentences 1-5 DOE 5480.19, Chapter XVIII, Section C.2, Paragraph 1, Sentence 7 DOE 5480.19, Chapter XVIII, Section C.2, Paragraph 2 DOE 5480.19, Chapter XVIII, Section C.2, Paragraph 3, Sentence 1 DOE 5480.19, Chapter XVIII, Section C.2, Paragraph 3, Sentence 3 DOE 5480.19, Chapter XVIII, Section C.3, Paragraph 1 and Paragraph 2, Sentence 2	<ul style="list-style-type: none"> HNF-IP-0842, Volume 4, Section 4.14 HNF-IP-0842, Volume 4, Section 4.14 HNF-IP-0842, Volume 4, Section 4.14 HNF-IP-0842, Volume 4, Section 4.14 HNF-IP-0842, Volume 4, Section 4.14 HNF-IP-0842, Volume 4, Section 4.14 HNF-IP-0842, Volume 4, Section 4.14 	Y	11/1/98

PROJECT W-314 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Bill Hays

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	SKID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PHI OK Y/N	ASSESS DATE
1.1.1	10CFR830 Part 120 (c)(2)(i)	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 3.0 	Y	11/1/98
1.1.2	10CFR830 Part 120 (c)(1)(i)	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, All 	Y	11/1/98
1.2.1	10CFR830 Part 120 (c)(1)(v)	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 2.4 	Y	11/1/98
1.2.2	DOE 5480.21, Preamble, Section 10.b	<ul style="list-style-type: none"> WHC-SD-W314-PAP-001, Rev. 0 	Y	11/1/98
1.3.1	10CFR830 Part 120 (c)(1)(iii)	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 2.3 	Y	11/1/98
1.8.1.1	DOE STD-1073-93, Section 2.3.2.3, Paragraph 6	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Sections 2 and 3 	Y	11/1/98

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Assessor: Al Friberg

Manager (accountable function): Bill Hays

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SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PHI OK Y/N	ASSESS DATE
1.1.1 10CFR830 Part 120 (c)(2)(i)	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 3.0 	Y	11/1/98
1.1.2 10CFR830 Part 120 (c)(1)(i)	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, All 	Y	11/1/98
1.2.1 10CFR830 Part 120 (c)(1)(iv)	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 2.4 	Y	11/1/98
1.2.2 DOE 5480.21, Preamble, Section 10.b	<ul style="list-style-type: none"> WHC-SD-W314-PAP-001, Rev. 0 	Y	11/1/98
1.3.1 10CFR830 Part 120 (c)(1)(iii)	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Section 2.3 	Y	11/1/98
1.8.1.1 DOE-STD-1073-93, Section 2.3.2.3, Paragraph 6	<ul style="list-style-type: none"> WHC-SD-WM-QAPP-018, Rev. 2, Sections 2 and 3 	Y	11/1/98

PROJECT W-320 SRIDS ASSESSMENT

Assessor: Al Friberg

Manager (accountable function): Al Friberg

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5.2	SRID REQUIREMENT	IMPLEMENTING DOCUMENT(S)	PH 1 OK Y/N	ASSESS DATE
29CFR1910 Part 1200(p)(8)(iv)(A)		■ HNF-PRO-424, Rev. 2	Y	11/1/98
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