

ENGINEERING CHANGE NOTICE

1. ECN No 619563

Proj. ECN

2. ECN Category (mark one) Supplemental <input checked="" type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. <i>W86310</i> DS SCHERMERHORN 373-7525 <i>L6-04</i>	3a. USQ Required? <i>Del</i> <input checked="" type="checkbox"/> Yes <i>Del</i> <input checked="" type="checkbox"/> No	4. Date 9/15/95	
	5. Project Title/No./Work Order No. REMOVE HEAT DETECTORS/ <i>A221L</i>	6. Bldg./Sys./Fac. No. 340A/FIRE	7. Approval Designator S	
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-WM-FHA-011, <i>Rev. 0</i>	9. Related ECN No(s). 614223	10. Related PO No. NA	

11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)	11b. Work Package No. NA	11c. Modification Work Complete NA _____ Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) NA _____ Cog. Engineer Signature & Date
---	-----------------------------	--	--

12. Description of Change
 Change WHC-SD-WM-FHA-011 340 COMPLEX FIRE HAZARDS ANALYSIS page 12 per attached sheet. Change deletes the sentence "Heat detection is provided in the 340A structure".

13a. Justification (mark one)

Criteria Change <input checked="" type="checkbox"/>	Design Improvement <input type="checkbox"/>	Environmental <input type="checkbox"/>	Facility Deactivation <input type="checkbox"/>
As-Found <input type="checkbox"/>	Facilitate Const <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>	Design Error/Omission <input type="checkbox"/>

13b. Justification Details
 The FHA and ISB do not require and take no credit for, the heat sensors for, detection of a fire. The detectors were deactivated per ECN-614223 due to excessive false fire alarms caused by heat buildup during the summer months.

14. Distribution (include name, MSIN, and no. of copies)
 DL HALGREN L6-04 (1)
 DS SCHERMERHORN L6-04 (1) *adv. copy of release*
 MK ULLAH L6-57 (1)
 Central Files A3-88 (Orig.)

RELEASE STAMP

OFFICIAL RELEASE BY WHC
 DATE SEP 26 1995
Sta. 21



A sprinkler system is not provided in the 340A and 340B buildings. The requirements of DOE 5480.7A and DOE 6430.1A require an automatic suppression systems for facilities where the maximum possible fire loss could exceed \$1 million. As depicted in Section 10.2, because of the limited fuel load the MPFL in Building 340A does not exceed \$1 million dollars provided combustibles are limited. Therefore, a sprinkler system is not required in the structure. In Building 340B, a MPFL exceeding \$1 million is possible. However, if storage limitations established in Sections 5.0 and 10.0 are complied with, the MPFL is limited to less than \$1 million. Otherwise, a sprinkler system must be provided in Building 340B. Decontamination and cleanup, the loss of production, program continuity and other DOE 5480.7A criteria are not included in the estimate.

4.2.2 Interior Standpipe Systems

No standpipe systems are installed or required in the complex. Interior firefighting will be conducted using fire department hoselines. Direct access to the building for fire department apparatus is provided.

4.2.3 Portable Fire Extinguishers

UL listed dry chemical stored-pressure portable fire extinguishers are located throughout the complex. The locations and extinguisher ratings meet the requirements of NFPA 10 for protection of the complex.

4.2.4 Special Hazard Suppression Systems

There is no special fire safety suppression systems installed in the structure.

4.3 Fire Detection and Alarm Systems

Fire detection systems are provided in complex. ~~Heat detection is provided in the 340 A structure.~~ Smoke detection is provided in the 340 and 340B buildings. The smoke detectors in 340B are provided at the roof and at a level below the roof approximately the lowest roof elevation. In addition, a water flow alarm is provided to monitor the automatic sprinkler system.

5 Delete Sentence

Manual fire alarm stations are provided at all exits from Buildings 340 and 340B. Manual fire alarm stations are not provided or required in 340A.

A fire alarm control panel, located in the 340 trucklock, monitors the fire alarm systems for all three buildings. The system has 8 zones as follows:

- Zone 1. 340 Trucklock,
- Zone 2. 340 Decontamination,
- Zone 3. 340 Waterflow,
- Zone 4. 340 Mechanical room,
- Zone 5. 340 PIV,

ECN
619563
Page 3 of 3

INFORMATION RELEASE REQUEST
PUBLIC DOCUMENT CHANGE/REVISION
(Short Form No. 1).

1. Base Document ID Number: WHC-SD-WM-FHA-011

2. Base Document Title:

340 Complex Fire Hazards Analysis

3. Change/Revision Number: 0

4. Change/Revision Date: 9-22-95

5. Unclassified Category: * UC - NA

6. Budget & Reporting Code: * B&R - NA

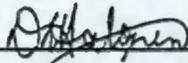
I verify this change/revision to the base document indicated above:

- Complies with the provisions of WHC-CM-3-4
- Contains no Limited-Use information
- Contains no classified or Applied Technology references
- Does not change the intent or meaning of the base document
- And, the base document itself is approved for public release.

7. Responsible Manager: DL Halgren

MSIN: L6-04

Telephone Number: 376-9988



(Signature)

9/25/95

(Date)

8. Information Release Administration Specialist: **

(Signature)

(Date)

- *Required only for full revisions transmitted to OSTI.
- **Required only for full revisions.