

**LOW-ACTIVITY WASTE PRETREATMENT SYSTEM
ADDENDUM E
SECURITY
CHANGE CONTROL LOG**

Change Control Logs ensure that changes to this unit are performed in a methodical, controlled, coordinated, and transparent manner. Each unit addendum will have its own change control log with a modification history table. The “**Modification Number**” represents Ecology’s method for tracking the different versions of the permit. This log will serve as an up to date record of modifications and version history of the unit.

Modification History Table

Modification Date	Modification Number
09/17/2021	8C.2021.8F
01/29/2021	8C.2020.12F

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**LOW-ACTIVITY WASTE PRETREATMENT SYSTEM
ADDENDUM E
SECURITY REQUIREMENTS**

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ADDENDUM E
SECURITY REQUIREMENTS

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1 **E. HANFORD SITE SECURITY**

2 Security measures are used to control access to the active portions of the Hanford Facility in accordance
3 with Hanford Facility Permit Condition II.M, Security. The entire Hanford Facility is a controlled access
4 area as described in Permit Attachment 3, *Security*. The security measures in Permit Attachment 3, and
5 the unit-specific security measures in this addendum prevent the unknowing entry, and minimize the
6 possibility for the unauthorized entry, of persons or livestock. [Washington Administrative Code
7 (WAC) 173-303-310(1)]

8 The active portions for the Low-Activity Waste Pretreatment System (LAWPS) Operating Unit Group
9 (OUG) include the Tank Side Cesium Removal (TSCR) Process Enclosure, the TSCR Spent
10 Ion Exchange Column (IXC) staging area and storage pad, and waste transfer lines.

11 During periods when LAWPS facilities are unoccupied, the gates allowing access to the Process
12 Enclosure and both storage areas are closed and locked. When the TSCR Process Enclosure and storage
13 areas are occupied, the entrances to the active portions may remain unlocked. Only personnel authorized
14 by the Shift Manager or Central Shift Office are issued keys and/or electronic access to open the gates and
15 doors to process areas. Security keys are tracked for accountability. Training requirements for LAWPS
16 workers are found in Addendum G, "Personnel Training." Visitors to the LAWPS must adhere to all
17 personnel protection requirements and are subject to escorting protocols. Visitors are required to check-in
18 thereby preventing inadvertent entry into the active portions of LAWPS OUG process and storage areas.
19 [WAC 173-303-310(1) and WAC 173-303-310(2)(c)]

20 **E.1 Signs**

21 Signs prevent the unknowing entry, and minimize the possibility for the unauthorized entry, onto active
22 portions of TSCR and both storage areas [WAC 173-303-310(2)(a)]. Signs posted around the fenced
23 portion of TSCR and around the perimeter of the IXC the storage area bears the legend, "Danger
24 Unauthorized Personnel Keep Out" and are legible from a distance of at least 50 feet. Signs will also
25 include warning information required in accordance with WAC 173-303-640(5)(d)(ii) and
26 WAC 173-303-640(5)(d)(iii).

27 Signs are posted at the following locations:

- 28 • TSCR is enclosed on three sides by a concrete shield wall and on the west side by the
29 241-AP Farm perimeter fence (encompasses the IXC staging area): one at each gate and south
30 opening.
- 31 • LAWPS spent IXC storage pad: one at each gate, one on the east- and west-facing fence lines,
32 and one on the north- and south-facing fence lines.

33 **E.2 24-Hour Surveillance System**

34 LAWPS facilities do not maintain a 24-hour surveillance system. The entire Hanford Site is a
35 controlled-access area. For 24-hour surveillance information of the Hanford Facility, refer to Permit
36 Attachment 3, *Security*. [WAC 173-303-310(2)(b)].

37 **E.3 Artificial or Natural Barriers**

38 Authorized access to active portions of the Hanford Facility is controlled through gates or other entrances
39 at all times, as described in the Hanford Facility Permit Attachment 3, *Security*, which includes access
40 prevention from the Columbia River.

- 1 Building walls and fences with doors and gates are barriers that provide additional means to control
2 access at TSCR, the IXC staging area, and the IXC storage pad including [WAC 173-303-310(2)(c)]:
- 3 • All active portions of TSCR and the IXC storage areas reside within the 200 East Area fence.
 - 4 • TSCR and the IXC staging area are surrounded by 8 foot tall concrete shield walls and a fence.
5 Warning signs are posted at each entry gate and on the west perimeter fence. Access gates are
6 locked when no personnel are present.
 - 7 • The spent IXC storage pad is surrounded by a perimeter fence, which is at least 6 feet (nominal)
8 in height, with warning signs on each side, and the access gates are locked when no personnel
9 present.
 - 10 • The TSCR Process Enclosure is locked when unoccupied and during processing operations.