

ATTACHMENT C
SECURITY

Waste Isolation Pilot Plant
Hazardous Waste Permit
October 16, 2006

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1 officers conduct documented security patrols outside of the PPA, at a minimum rate of two per
2 12-hour shift. Whenever scheduled security patrols cannot be made, for situations such as
3 inclement weather or an emergency, the reason for missing the patrol will be documented in the
4 security logbook. In addition to the security officers, WIPP facility employees are called upon to
5 challenge any person in the WIPP facility who is not wearing a badge or who is not under escort
6 when an escort is required. Further physical protection is provided by fences, protective lighting,
7 and locked buildings.

8 C-1a(2) Barrier and Means to Control Entry

9 The existence of a barrier and a means to control entry demonstrates compliance with
10 20.4.1.500 NMAC (incorporating 40 CFR §264.14(b)(2)). Each is discussed in detail in the
11 following sections.

12 C-1a(2)(a) Barrier

13 The surface portion of the WIPP facility PPA is contained within a 35 acre (14 hectare) fenced
14 area. This area is surrounded by a permanent 7 foot (ft) (2.13 meter [m]) high chain-link fence
15 that is topped by three strands of barbed wire, for a total height of 8 ft (2.44 m). The fence
16 encloses major surface structures. The regularly inspected chain-link fencing at the WIPP
17 facility completely surrounds the active portion of the facility, thereby complying with 20.4.1.500
18 NMAC (incorporating 40 CFR §264.14(b)(2)(i)). Access is normally through the Main Gate on
19 the west side of the PPA. Two other gates are available for emergency use. One of these gates
20 is opened to allow salt trucks access to the salt pile. Use of all gates is under the supervision of
21 security.

22 C-1a(2)(b) Means to Control Entry

23 Entry into the PPA, whether by personnel or vehicles, is through controlled gates and doors.
24 WIPP-facility access-control procedures are designed to ensure that only properly identified and
25 authorized persons, vehicles, and property are allowed entrance to and exit from the facility. A
26 personnel identification and access control system is maintained within the facility. Employees
27 identify themselves with an identification badge when entering or leaving the premises. Security
28 officers require visitors to show proper authorization prior to allowing them to enter the facility. In
29 addition, visitors are required to wear a temporary badge and may require an authorized escort.
30 Because the WIPP facility controls entry to the active portion of the facility at all times, the
31 requirements of 20.4.1.500 NMAC (incorporating 40 CFR §264.14(b)(2)(ii)), are met.

32 For the purposes of entry control to areas where wastes are being handled, the Waste Handling
33 Building Container Storage Unit (**WHB Unit**), the boundaries of the Parking Area Unit south of
34 the WHB, and those portions of the underground where wastes are disposed are posted as
35 Controlled Areas (**CAs**). The WIPP allows access to a CA by anyone who has successfully
36 completed General Employee Radiological Training, which is included in the General Employee
37 Training Course. Access for visitors can also be arranged with proper training.

38 Areas within the CA, however, may have further access restricted. Smaller areas may be
39 designated as Radiological Buffer Areas, Radiation Areas, and Radioactive Materials Area.
40 These smaller areas are generally within the direct vicinity of waste handling activities or waste
41 storage or disposal areas. They are sized and posted in accordance with strict guidelines.
42 Activities in these areas are performed under a Radiological Work Permit (**RWP**), and personnel

1 must be listed on the RWP before they are allowed to enter. To be listed on the RWP, personnel
2 must have the appropriate radiological and hazardous waste worker training and must have
3 available radiation dose for the task. In addition, the individuals must sign the RWP
4 acknowledging that they intend to comply with the radiological controls that are in place.
5 Personnel may be escorted into the smaller areas if they are escorted by a person who meets
6 all of the above requirements and is not performing any work in the area.

7 The WHB Unit, the Parking Area Unit, and the underground Hazardous Waste Disposal Units
8 (HWDUs) will be posted with a sign that states: "Danger: Authorized Personnel Only" in both
9 English and Spanish.

10 C-1a(3) Warning Signs

11 The permanent chain-link fence surrounding the PPA is posted at approximately 50 ft (15.24 m)
12 intervals with "No Trespassing" signs and with "Danger: Authorized Personnel Only" signs in
13 English and Spanish. The signs are legible from a distance of 25 ft (7.62 m) and can be seen
14 from any approach to the facility. These same signs, plus security and traffic signs, are also
15 located on the controlled gates. The fence and gate signs at the WIPP facility fully comply with
16 20.4.1.500 NMAC (incorporating 40 CFR §264.14(c)). Warning signs with "Controlled Area" and
17 "Hazardous Waste Management Unit" will be posted at entrances to the HWDUs prior to the
18 emplacement of waste.