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Additional information regarding 8B PROCESS—CODES AND DESIGN CAPACITIES

The Waste Isolation Pilot Plant (**WIPP**) geologic repository is defined as a "miscellaneous unit" under 20.4.1.100 NMAC (incorporating 40 CFR §260.10. "Miscellaneous unit" means a hazardous waste management unit where hazardous waste is treated, stored, or disposed of and that is not a container, tank, surface impoundment, waste pile, land treatment unit, landfill, incinerator, containment building, boiler, industrial furnace, or underground injection well with appropriate technical standards under 40 CFR Part 146, corrective action management unit, or unit eligible for research, development, and demonstration permit under 40 CFR §270.65. The WIPP is a geologic repository designed for the disposal of defense-generated transuranic (**TRU**) waste. Some of the TRU wastes disposed of at the WIPP contain hazardous wastes as co-contaminants. More than half the waste to be disposed of at the WIPP also meets the definition of debris waste. The debris categories include manufactured goods, biological materials, and naturally occurring geological materials. Approximately 120,000 cubic meters (m^3) of the 175,600 m^3 of WIPP wastes is categorized as debris waste. The geologic repository has been divided into ten discrete hazardous waste disposal units (**HWDU**) which are being permitted under 40 CFR Part 264, Subpart X.

During the Disposal Phase of the WIPP facility, which is expected to last 25 years, the total amount of waste received from off-site generators and any derived waste will be limited to 175,600 m^3 of TRU waste of which up to 7,080 m^3 may be remote-handled (RH) TRU mixed waste. For purposes of this application, all TRU waste is managed as though it were mixed.

The process design capacity for the miscellaneous unit (composed of ten underground HWMUs in the geologic repository) shown in Section 8B of EPA Form 8700-23, is for the maximum amount of waste that may be received from off-site generators plus the maximum expected amount of derived wastes that may be generated at the WIPP facility. In addition, two HWMUs have been designated as container storage units (S01) in Section 8B of EPA Form 8700-23. One is inside the Waste Handling Building (**WHB**) and consists of the contact-handled (**CH**) bay, waste shaft conveyance loading room, waste shaft conveyance entry room, RH bay, cask unloading room, hot cell, transfer cell, and facility cask loading room. This HWMU will be used for waste receipt, handling, and storage (including storage of derived waste) prior to emplacement in the underground geologic repository. No treatment or disposal will occur in this HWMU (S01 unit). The capacity of this HWMU (S01 unit) for storage is 194.1 m^3, based on 36 ten-drum overpacks on 18 facility pallets, four CH Packages at the Transuranic Package Transporter-II (**TRUPACT-II**) unloading docks (**TRUDOCKs**), one standard waste box of derived waste, 13 55-gallon drums in the Hot Cell, one canister in the Transfer Cell and one canister in the Facility Cask Unloading Room. The second HWMU (S01 unit) is the parking area outside the WHB where the trailers containing the

CH Packages or the road cask trailers containing RH Packages will be parked awaiting waste handling operations. The capacity of this unit is 50 CH Packages and twelve RH Packages with a combined volume of 242 m^3. The HWDUs are shown in Part A, Appendix 3 as Part A Figures 3-2; HWMUs are shown as Figures 3-3, 3-3a, and 3-4.

As of May 2009, the Permittees have disposed of 45,590 m^3 of waste in Panels 1 through 3. The Permittees are authorized to dispose of 76,985 m^3 of waste in Panels 4-7. The Permittees are requesting to dispose of 19,400 m^3 of waste in Panel 8, for a total of 141,975 m^3 of waste disposed in Panels 1-8. However, the volume capacity of waste for disposal at WIPP may be increased through a permit modification request.