

CHECKLIST FOR REVIEW OF FEDERAL RCRA PERMIT APPLICATIONS**SECTION D. PROCESS INFORMATION - CONTAINMENT BUILDINGS**

Section and Requirement		Federal Regulation	Review Consideration ^a	Location in Application ^b	See Attached Comment Number ^c
D-10	Containment Buildings	270.14(a),(b) 264.1100 - 264.1102			
D-10a	Containment Building Description	270.14(a),(b) 264.1100(a); 264.1101(a)			
D-10a(1)	Construction	270.14(a),(b) 264.1100(a); 264.1101(a)	Provide description of unit, include dimensions and materials of construction.		
D-10a(2)	Strength Requirements	270.14(a),(b) 264.1100(a); 264.1101(a)	Provide results of calculations defining maximum loads or stresses that will be placed on containment building system.		
D-10a(3)	Design Requirements for Units Not Managing Liquids	270.14(a),(b) 264.1100(b); 264.1101(d)			
D-10a(3)(a)	Primary Barrier	270.14(a),(b) 264.1100(a),(b); 264.1101(a)(4)	Provide detailed description of primary barrier, and demonstrate that it is sufficiently durable to withstand movement of personnel, waste, and handling equipment within unit.		
D-10a(4)	Design Requirements for Units Managing Liquids	270.14(a),(b) 264.1100(c); 264.1101(a)(4),(b)			
D-10a(4)(a)	Primary Barrier	270.14(a),(b) 264.1100(c)(1); 264.1101(b)(1)	Describe how primary barrier is designed and constructed to prevent migration of hazardous constituents into barrier.		

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D-10a(4)(b) Liquid Collection System	270.14(a),(b) 264.1100(c)(2); 264.1101(b)(3)	Describe in detail liquid collection system that must be designed and constructed of materials to minimize accumulation of liquid on primary barrier.		
D-10a(4)(c) Secondary Containment System	270.14(a),(b) 264.1100(c)(3)			
D-10a(4)(c)(i) Leak Detection System	270.14(a),(b) 264.1100(c)(3); 264.1101(a),(b)(3)	Describe design and operating features of leak detection system.		
D-10a(4)(C)(ii) Secondary Barrier	270.14(a),(b) 264.1100(b)(3); 264.1101(b)(3)	Describe how secondary barrier is designed and constructed to prevent migration of hazardous constituents into barrier.		
D-10a(4)(d) Temporary Variance from Secondary Containment Requirements	270.14(a),(b) 264.1101(b)(4)			
D-10a(4)(e) Waiver of Secondary Containment Requirements	270.14(a),(b) 264.1101(e)			
D-10a(5) Design of Units Managing Both Liquids and Nonliquids in the Same Unit	270.14(a),(b) 264.1101(d)	Identify areas of containment building that are constructed both with and without secondary containment, if applicable.		
D-10a(6) Compatibility of Structure with Wastes	270.14(a),(b) 264.1101(a)(2), (b)(3)(iii)	Demonstrate that all surfaces in contact with hazardous waste, collected liquids, or leachate must be chemically compatible with those waste.		
D-10a(7) Fugitive Dust Emissions	270.14(a),(b) 264.1100(d); 264.1101(c)(1)(iv) ; Part 60			

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D-10a(8)	Structural Integrity Requirements	Appendix A 270.14(a),(b) 264.1101(a)(2)			
D-10a(9)	Certification of Design	270.14(a),(b) 264.1101(c)(2)			
D-10b	Containment Building Operations	270.14(a),(b) 264.1101(c)			
D-10b(1)	Primary Barrier Integrity	270.14(a),(b) 264.1101(b)(2)(ii), (c)(1)(i)			
D-10b(2)	Volume of Waste	270.14(a),(b) 264.1101(c)(1)(ii)	Describe how owner/operator will maintain level of stored and/or treated hazardous waste within containment walls of unit so that height of any containment wall is not exceeded.		
D-10b(3)	Tracking of Waste Out of Unit	270.14(a),(b) 264.1100(e); 264.1101(c)(1)(iii)			
D-10b(4)	Liquids Removal	270.14(a),(b) 264.1101(b)(2)(ii), (b)(3)	Describe sumps and liquid removal methods for liquids collection and leak detection systems. Indicate fate of collected liquids and leachates, which are considered hazardous waste.		
D-10b(5)	Management of Incompatible Wastes	270.14(a),(b) 264.1101(a)(3)	Indicate whether incompatible waste or treatment reagents will be placed in the unit or its secondary containment system.		
D-10b(6)	Management of Liquids and	270.14(a),(b)	For containment buildings that contain areas		

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Nonliquids in the Same Unit	264.1101(d)(2),(3)	both with and without secondary containment, describe measures to prevent release of liquids or wet materials into areas without secondary containment.		
D-10b(7) Fugitive Dust Emissions	270.14(a),(b) 264.1100(d); 264.1101(c)(1)(iv) ; Part 60 Appendix A			
D-10b(8) Treatment of Wastes	270.14(a),(b) 264.1101(b)(3)(ii)	If treatment of waste is conducted in containment building, describe how treatment will be conducted to prevent release of liquids, wet materials, or liquid aerosols to other portions of building.		
D-10b(9) Equipment Decontamination	270.14(a),(b) 264.1101(c)(1)(iii)	Identify area used to decontaminate equipment and collect and manage any rinsate from decontamination. Identify fate of decontamination residues.		
D-10c Containment Buildings as Tank Secondary Containment	270.14(a),(b) 264.1101(b)(3)(iii)	Indicate whether containment building is intended to serve as a secondary containment system for a tank placed in the building. The unit must meet the requirements of 264.193(b), 264.193(c)(1), 264.193(c)(2), and 264.193(d)(1).		

Notes:

^a Considerations in addition to the requirements presented in the regulations.^b For each requirement, this column must indicate one of the following: NA for not applicable, IM for information missing, or the exact

location of the information in the application.
c If application is deficient in an area, prepare a comment describing the deficiency, attach it to the checklist, and reference the comment in this column.