

<p>NRC FORM 541 (MM-YYYY)</p> <p style="text-align: center;">U.S. NUCLEAR REGULATORY COMMISSION</p> <p style="text-align: center;">UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION</p> <p style="font-size: small;">Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste</p> <p style="font-size: x-small;">See NUREG/BR-0204 for detailed instructions for completing this form: http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0204/</p>	1. Manifest Totals						2. Manifest Number		
	No. of Pkgs/ Disposal Containers	Net Waste Volume (m³)	Net Waste Weight (kg)	Special Nuclear Material (grams)				3. Page _____ of _____ Page(s)	
				U-233	U-235	Pu	Total	4. Shipper Name	
	Activity (MBq)						Source (kg)		
All Nuclides			Tritium	C-14	Tc-99	I-129	Shipper ID Number		

Disposal Container Description						Waste Description for Each Waste Type in Container															
5. Container Identification Number/Generator ID Number(s)	6. Container Description (See Note 1)	7. Volume (m ³)	8. Waste and Container Weight (kg)	9. Waste Weight (kg)	10. Surface Radiation Level		11. Surface Contamination MBq/100 cm ²		12. Waste Descriptor (See Note 2)			13. Approximate Waste Volume(s) in Container		14. Sorbent Solidification, Stabilization, Media (See Note 3)		15. Chemical Description		16. Radiological Description		17. Waste Class AS-Class A Stable AU-Class A Unstable B-Class B C-Class C	
					<input type="checkbox"/> (µSv/hr)	<input type="checkbox"/> (mSv/hr)	Alpha	Beta-Gamma													

NOTE 1: Container Description Codes. For containers/ waste requiring disposal in approved structural overpacks, the numerical code should be followed by "-OP."

1. Wooden Box or Crate 2. Metal Box 3. Plastic Drum or Pail 4. Metal Drum or Pail 5. Metal Tank or Liner 6. Concrete Tank or Liner 7. Polyethylene Tank or Liner 8. Fiberglass Tank or Liner 9. Demineralizer	10. Gas Cylinder 11. Bulk Unpackaged Waste 12. Unpackaged Components 13. High Integrity Container 19. Other. Describe in item 6, or additional page
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NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal 21. Incinerator Ash 22. Soil 23. Gas 24. Oil 25. Aqueous Liquid 26. Filter Media 27. Mechanical Filter 28. EPA or State Hazardous 29. Demolition Rubble 30. Cation Ion-exchange Media	31. Anion Ion-exchange Media 32. Mixed Bed Ion-exchange Media 33. Contaminated Equipment 34. Organic Liquid (except oil) 35. Glassware or Labware 36. Sealed Source/Device 37. Paint or Plating 38. Evaporator Bottoms/ Sludges/Concentrates 39. Compactible Trash 40. Noncompactible Trash	41. Animal Carcass 42. Biological Material (except animal carcass) 43. Activated Material 59. Other. Describe in item 12, or additional page
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NOTE 3: For solidification media that meet disposal site structural stability requirements, the numerical code should be followed by "-S."

For all solidification media, the vendor (manufacturer) and brand name should also be identified in item 14. Code 100=NONE REQUIRED.

Sorption 60. Speed Dri 61. Celetom 62. Floor Dry/ Superfine 63. High Dri 64. Safe T Sorb 65. Safe N Dri 66. Florco	67. Florco X 68. Solid A Sorb 69. Chemsil 30 70. Chemsil 50 71. Chemsil 3030 72. Dicaperl HP200 73. Dicaperl HP500 74. Petroset	75. Petroset II 76. Aquaset 77. Aquaset II 89. Other. Describe in item 14, or additional page
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Solidification 90. Cement 91. Concrete (encapsulation) 92. Bitumen 93. Vinyl Chloride 94. Vinyl Ester Styrene 99. Other. Describe in item 14, or additional page 100. None Required
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