



State of Rhode Island Department of Environmental Management: UST Program

General Requirements for the Repair or Replacement of UST Systems and Components

	Pre-Construction or Repair										During Repair		Post Construction - Prior to Operation						Post Construction-within 30 days					Notes	
	Submit Written Scope of Work	Submit Plans Stamped by PE	Submit Site Plan (No PE)	Written Approval from DEM Required	Submit Burial Specifications	Environmental Consultant Required	Submit UST Registration Application	Submit Equipment List Addendum	Inspection by DEM Prior to Backfill	Soil Screening by Environmental Consultant	Work Conducted by Environmental Consultant	Tightness Test Piping before Backfill (Primary & Interstitial)	Tightness Test UST before Backfilling (Primary & Interstitial)	Tightness test Piping after Backfilling (Primary & Interstitial)	Tightness Test UST after Backfilling and Paving (Primary & Interstitial)	3rd Party Testing of Component	Perform Liquid Tightness Test	Tightness Test of Vapor/Vent Lines	Submit "As-Built" Site Plan	Submit Environmental Consultants Report	Submit Results of all Testing	Submit Tank Manufacturers Checklist	Submit Piping Manufacturers Checklist		Submit Post Construction Report
Installation of Tanks and Product Lines at new facility	X	X		X	X		X	X	X	X		X	X	X	X		X	X	X		X	X	X	X	
Replacement of Product piping at existing facility	X		X	X	X	X	X	X	X	X	X	X		X	X				X	X	X	X	X		
Replacement of USTs at existing facility	X	X		X	X	X	X	X	X	X	X		X	X	X			X	X	X	X				
Repair of UST	X		X	X		X				X	X		X	X	X				X	X				X	
Repair of Product Piping	X		X	X		X			X	X	X	X		X				X	X	X		X		Must submit DEM Piping Repair/Replacement Form	
Repair of Vent Piping	X		X	X		X				X	X			X	X		X		X					X	
Replacement of Vent Piping	X		X	X		X				X	X			X	X		X	X	X					X	
Repair or Replacement Tank Top or Transition Sump	X		X	X		X				X						X			X	X				X	
Installation, Repair or Replacement of Underdispenser containment	X		X	X		X				X						X			X	X				X	
Repair or Replacement Line Leak Detectors																X				X					
Repair or Replacement of Shear/Crash Valves																X				X					
Repair or Replacement of Dispensers																X				X					
Repair or Replacement of Riser Pipe	X			X		X				X			X							X				X	
Repair or Replacement of Interstitial Riser Pipe	X			X								X								X				X	
Installation of new cathodic protection system	X			X							X					X				X				X	
Repair of existing cathodic protection system											X					X				X				X	
Replacement of Spill Containment Basin (Spill Bucket)										X						X				X				X	

This matrix is intended to be used as guidance only and does not replace or supercede DEM regulations. Additional Federal, State, or Local requirements may apply.
For items not listed, please contact DEM at (401) 222-2797 for installation or repair requirements.