

AIM System Inspection and Testing Checklist: Category 1 or 2

UST Facility			Person Completing Checklist	
Facility Name		Facility ID #	Name	
Physical Address			Company	
City	County	State	City	State
UST Owner			Signature	Date Completed

Description	Line 1	Line 2	Line 3	Line 4
Type of AIM System (Category #)	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 1 <input type="checkbox"/> 2

Attach a copy of the Certification Form for detailed system description.

Walkthrough Inspections [280.36]

Annual				
• Visually check containment sumps at endpoints for damage and leaks to the containment area or releases to the environment. Remove water and debris.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• For double-walled sumps with interstitial monitoring, check for a leak in the interstitial area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Every 30 Days				
• Check that system is operating with no alarms or unusual operating conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Ensure records of system component testing listed below are reviewed and current	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Note: The items below are not required to be performed every 30-days as part of the walkthrough inspection. Most items must be performed annually, unless otherwise noted. Use this checklist to verify that each step has been performed within one year (i.e., 365 days) of the previous test, unless otherwise noted. If *No* is checked for any of the steps, the AIM system fails. Provide copies of all relevant test forms upon request to the UST implementing agency.

Testing (Required Annually - Unless Otherwise Noted)

Monitoring Console 280.40(a)(3)(i)				
• Verify system configuration.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
• Test alarm	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
• Test battery backup	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date Last Test				
Test Results	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Sensors 280.40(a)(3)(ii)				
• Test alarm operability for communication with controller/monitoring console.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

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Testing (Continued)

Description	Line 1	Line 2	Line 3	Line 4
<ul style="list-style-type: none"> Inspect for residual buildup. 	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date Last Test				
Test Results	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
ALLD 280.40(a)(3)(iii)				
<ul style="list-style-type: none"> DW piping. Verify integrity of interstitial space by air testing piping. Ensure vacuum pumps and pressure gauges are operating within manufacturer's specifications. 	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> Monitoring reservoir. Note: Testing of this component covered below. Listed to show as part of ALLD. 	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> Containment sumps at end points. Note: Verification of integrity could be by testing of the sump or if the sump is DW, proving that the interstitial space of the containment sump has integrity. Annual integrity testing of containment sumps at endpoints that varies from that in 280.35(a)(1)(ii) may be used to test full area of sumps(s) or area of sump(s) to the point of each sensor's activation threshold, if equipped with liquid detecting sensor(s). 	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date Last Test				
Test Results	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Monitoring Points 280.40(a)(3)(iv)				
<ul style="list-style-type: none"> Monitoring Reservoir (P / V / Liquid) 				
<ul style="list-style-type: none"> ✓ Ensure proper communication of vacuum pumps and pressure gauges with sensors and controllers, as applicable. Verify that the pressure, vacuum, or liquid detecting sensor triggers the alarm at the appropriate threshold and communicates that to the monitoring console. 	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> ✓ P / V System Calibrated Per Manufacturer's Instructions. 280.40(a)(2) 	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Describe calibration completed and frequency:				

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Testing (Continued)

Description	Line 1	Line 2	Line 3	Line 4
Containment Sumps at End Points 280.35(a)(1)(ii) – Required Once Every Three Years				
<ul style="list-style-type: none"> Test containment sumps used for piping interstitial monitoring to ensure liquid tight by using vacuum, pressure, or liquid testing. 	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Notes: If DW containment sump with periodic monitoring of both walls of the sump, sump testing to comply with 280.35(a)(1)(ii) is not required.</p> <p>Owners and operators testing annually using a recognized low-level sump testing procedure would meet the regulatory requirement. If the owner and operator use an annual test that varies from what is allowed under 280.35 (a)(1)(ii), then a test that complies with 280.35(a)(1)(ii) must be completed every three years..</p>				
Date Last Test				
Test Results	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Comments				