

Leak Detection for Piping

Facility Name:	Facility ID#:
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Pressurized piping systems require two methods of leak detection; at least one method from Set 1 and one method from Set 2.

UST Information: Answer yes or no to all questions that apply. If a shaded question does not apply, leave it blank.

SET 1 - Choose one. Catastrophic (≥ 3.0 gph) product pipe leak detection.		TAG #	TAG #	TAG #	TAG #	TAG #
1	Is a MLLD (Mechanical Line Leak Detector) operational? Make and Model:					
2	Is an in-line (ELLD) present and operational? Make and Model:					
3	Are records available showing each ALLD passed an annual functionality test? Submit test results with inspection. Date of Test:					
4	If equipment is capable, is the ELLD programmed to disable the pumping apparatus for any failed leak test?					
5	Is interstitial monitoring used to satisfy catastrophic 3.0 gph leak detection?					
6	If the facility is not attended when a 3-gph leak is detected does the: TSD – Turbine shut down; OR – Offsite Responder is alerted (auto dialer, etc.); LOA – Loud Outdoor Alarm (not console alarm); RF – Restrict Flow	<input type="checkbox"/> TSD OR LOA RF	<input type="checkbox"/> TSD OR LOA RF	<input type="checkbox"/> TSD OR LOA RF	<input type="checkbox"/> TSD OR LOA RF	<input type="checkbox"/> TSD OR LOA RF

SET 2 – Choose one. Precision test or monthly method.						
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7	Is an annual precision 0.1 gph Line Tightness Test (LTT) conducted?					
8	Is the precision 0.1 gph LTT conducted by the ELLD?					
9	Is the precision 0.1 gph LTT conducted using an NWGLDE approved method?					
10	Indicate the date of the most recent test. Submit test results with inspection. Date of Test:					
11	Are monthly 0.2 gph electronic LLD tests conducted?					
12	If question #11 is YES , are passing 0.2-gph ELLD tests available for the past 12 months? (Do not accept history records)					
13	If question #12 is marked “NO” , select the months in which passing LD tests are NOT available. 1=Jan, 2=Feb, etc.	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12
14	Does the history show records from all 12 months in the last year with the last 2 months having passing results?					
15	If questions #7 and #11 are NO , check all monthly method is used. Complete the appropriate inspection page. VM =Vapor monitoring SIR = Statistical Inventory Reconciliation GWM = Groundwater monitoring ISM = Interstitial Monitoring	<input type="checkbox"/> VM GWM SIR ISM	<input type="checkbox"/> VM GWM SIR ISM	<input type="checkbox"/> VM GWM SIR ISM	<input type="checkbox"/> VM GWM SIR ISM	<input type="checkbox"/> VM GWM SIR ISM

Suction Piping Systems: “European” style suction has only one check valve, which is at the dispenser, and the piping slopes back to the tank.						
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16	Does product piping qualify as European (safe) suction?					
17	Does any part of the underground piping go lower in elevation than the top of the tank?					
18	Does product piping qualify as US Suction?					
19	Is a precision 0.1 Line Tightness Test conducted every three years? Submit test results with inspection. Date of test					
20	If question #19 is “NO” , check what monthly method is used? Complete the appropriate compliance page.	<input type="checkbox"/> VM GWM SIR ISM	<input type="checkbox"/> VM GWM SIR ISM	<input type="checkbox"/> VM GWM SIR ISM	<input type="checkbox"/> VM GWM SIR ISM	<input type="checkbox"/> VM GWM SIR ISM

Comments:			
(Inspector Initial)	(Date)	(Owner/Operator Initial)	(Date)

SUBMIT ORIGINAL TO DEQ ELECTRONICALLY WITHIN 15 DAYS OF COMPLETION OF THE INSPECTION MDEQ MAY/22