



## LDAR Annual Report (2014) Summary

Regulation 7, Section XVII.F. requires owners/operators of well production facilities (“WPF”) and natural gas compressor stations (“NGCS”) to monitor components for leaks and repair detected leaks (“LDAR”). Section XVII.F.9. requires owners/operators to submit an annual report by May 31 of each year with the following information regarding LDAR activities conducted the previous year:

- a. Number of facilities inspected;
- b. Total number of inspections;
- c. Total number of leaks identified, broken out by component type;
- d. Total number of leaks repaired; and
- e. Number of leaks on the delayed repair list as of December 31.

Due to the inspection schedules in Section XVII.F., only well production facilities constructed on or after October 15, 2014, were required to conduct LDAR activities in 2014. Twenty one companies submitted annual reports on LDAR activities during 2014.

During 2014, those owners/operators conducted 4,869 leak inspections at 1,803 well production facilities and natural gas compressor stations. For those companies that used the Division’s Annual Report Form, 2,818 audio-visual-olfactory (“AVO”) inspections occurred at well production facilities, 1,697 approved instrument monitoring method (“AIMM”) inspections occurred at well production facilities, and 41 AIMM inspections occurred at natural gas compressor stations. (Note – one owner/operator did not differentiate their inspections as AIMM/AVO)

During 2014, 1,706 leaks were identified at the well production facilities and natural gas compressor stations inspected. The leaks were detected at valves (745), connectors (688), flanges (86), pump seals (16), and pressure relief devices (171). Of those leaks, 1,544 (90.5%) leaks were repaired and 80 (4.7%) leaks were placed on a delay of repair list. The leaks were repaired at valves (680), connectors (680), flanges (77), pump seals (16), and pressure relief devices (169). The repair of leaks was delayed at valves (29), connectors (48), flanges (2), and pressure relief devices (1).

Facilities inspected	Number of inspections*			
	Total	AIMM at NGCS	AIMM at WPF	AVO at WPF
1,803	4,869	41	1,697	2,818

\* One owner/operator did not break out number of inspections by method/facility



## Number of inspections (4869)

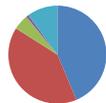


- AIMM at NGCS (41)
- AIMM at WPF (1697)
- AVO at WPF (2818)

Component type	Number of leaks identified	Number of leaks repaired	Number of leaks on delay of repair list as of Dec. 31**
Valves	745	680	29
Connectors	688	602	48
Flanges	86	77	2
Pump seals	16	16	0
Pressure relief devices	171	169	1
Total	1,706	1,544	80

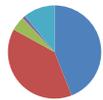
\*\* Two owner/operators repaired leaks identified in 2014 in 2015, therefore the leaks repaired in 2015 will be on the 2015 annual LDAR report

## Leaks identified (1706)



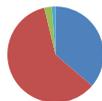
- Valves (745)
- Connectors (688)
- Flanges (86)
- Pump seals (16)
- Pressure relief devices (171)

## Leaks repaired (1544)



- Valves (680)
- Connectors (602)
- Flanges (77)
- Pump seals (16)
- Pressure relief devices (169)

## Repairs delayed (80)



- Valves (29)
- Connectors (48)
- Flanges (2)
- Pump seals (0)
- Pressure relief devices (1)

