

# PS-95 Leaks by Cause

As of 2024-05-23

Leak Classification equals Grade 1,Grade 2,Grade 3

Leak Cause ↑	Leak Classification ↑	Record Count
Corrosion	Grade 1	1291
	Grade 2	1724
	Grade 3	1059
<b>Subtotal</b>		<b>4074</b>
Operator Personnel/Contractors Excavating	Grade 1	270
	Grade 2	26
	Grade 3	93
<b>Subtotal</b>		<b>389</b>
Other Third Party Excavators	Grade 1	5939
	Grade 2	232
	Grade 3	280
<b>Subtotal</b>		<b>6451</b>
Locator	Grade 1	4
	Grade 2	1
	Grade 3	1
<b>Subtotal</b>		<b>6</b>
Vehicle (Auto/Truck/etc.)	Grade 1	309
	Grade 2	29
	Grade 3	34
<b>Subtotal</b>		<b>372</b>
Lightning	Grade 1	3
	Grade 2	2
	Grade 3	1
<b>Subtotal</b>		<b>6</b>
Washout	Grade 1	12
	Grade 3	11
<b>Subtotal</b>		<b>23</b>
Ground Movement	Grade 1	496
	Grade 2	436
	Grade 3	253
<b>Subtotal</b>		<b>1185</b>
Static Electricity	Grade 2	1
	Grade 3	1
<b>Subtotal</b>		<b>2</b>
Vandalism	Grade 1	52

	Grade 2	26
	Grade 3	9
<b>Subtotal</b>		<b>87</b>
Fire/Explosion First	Grade 1	14
	Grade 2	2
	Grade 3	4
<b>Subtotal</b>		<b>20</b>
Excessive Strain	Grade 1	609
	Grade 2	290
	Grade 3	368
<b>Subtotal</b>		<b>1267</b>
Dent	Grade 1	36
	Grade 2	10
	Grade 3	3
<b>Subtotal</b>		<b>49</b>
Gouge	Grade 1	29
	Grade 2	23
	Grade 3	2
<b>Subtotal</b>		<b>54</b>
Factory Defect	Grade 1	228
	Grade 2	97
	Grade 3	279
<b>Subtotal</b>		<b>604</b>
Wrinkle Bend	Grade 1	2
	Grade 2	1
	Grade 3	1
<b>Subtotal</b>		<b>4</b>
Weld (Steel)	Grade 1	23
	Grade 2	82
	Grade 3	50
<b>Subtotal</b>		<b>155</b>
Fusion Defect (Plastic)	Grade 1	174
	Grade 2	97
	Grade 3	92
<b>Subtotal</b>		<b>363</b>
Equipment Malfunction	Grade 1	1056
	Grade 2	292
	Grade 3	3387
<b>Subtotal</b>		<b>4735</b>
Gasket/O-Ring	Grade 1	962
	Grade 2	923
	Grade 3	1371

<b>Subtotal</b>		3256
Packing	Grade 1	2597
	Grade 2	684
	Grade 3	3377
<b>Subtotal</b>		6658
Inadequate/Failure to Follow Procedures	Grade 1	334
	Grade 2	213
	Grade 3	312
<b>Subtotal</b>		859
Stripped Threads	Grade 1	555
	Grade 2	1368
	Grade 3	1664
<b>Subtotal</b>		3587
Backfill	Grade 1	50
	Grade 2	39
	Grade 3	14
<b>Subtotal</b>		103
Other	Grade 1	24
	Grade 2	37
	Grade 3	64
<b>Subtotal</b>		125
Not Excavated	Grade 1	70
	Grade 2	45
	Grade 3	73
<b>Subtotal</b>		188
<b>Total</b>		34622