

Inspection Output (IOR)

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Inspection Information

Inspection Name	8042_PSE_W King	Operator(s)	PUGET SOUND ENERGY (22189)	Plan Submitted	05/21/2020
Status	PLANNED	Lead	Dennis Ritter	Plan Approval	05/22/2020 by Joe Submits
Start Year	2020	Team Members	Scott Rukke, David Cullom, Lex Vinsel, Anthony Dorrough, Derek Norwood, Scott Anderson, Darren Tinnerstet	All Activity Start	08/24/2020
System Type	GD	Observer(s)	Rell Koizumi	All Activity End	09/24/2020
Protocol Set ID	WA.GD.2017.01	Supervisor	Joe Submits	Inspection Submitted	--
		Director	Sean Mayo	Inspection Approval	--

Inspection Summary

Inspection Scope and Summary

2020 PSE unit inspection of West King County (includes downtown Seattle). Last inspection of West King was conducted in 2018 with no violations and 1 areas of concern for a low PSP read which was mitigated within WAC time frames. Records portions of the inspection will be completed virtually using a WebEx platform due to Covid-19 restrictions. The field portion will also be curtailed in scope.

Records:

Monday August 24, 2020: First day of inspection. Records: patrolling, leak surveying (selected based on both business districts, HOS and residential), emergency valves, curb valves, associated OQs. 1-d

Tuesday August 25, 2020: Records: construction projects, pressure testing, welding--welder qualifications, NDE--fusing qualifications, reporting 1-d

Wednesday August 26, 2020: Records: cathodic protection--PSP reads, rectifiers, casings, public awareness, damage prevention 1-d

Thursday August 27, 2020: Records: pressure control-regulator stations/overpressure protection, 1-d

Thursday September 10, 2020: Records-Deactivated Gas Line (DGLI) program review 0.2 d

Field

Monday September 14, 2020: Field-Pressure control regulator stations 1-d

Tuesday September 15, 2020: Field pressure control regulator stations 1-d

Wednesday September 16, 2020: Field-corrosion control-rectifiers, CP Test points, 9-yr reads,casings 1-d

Thursday September 17, 2020: Field-corrosion control-rectifiers, CP Test points, 9-yr reads,casings; industrial meter sets 1-d

Tuesday September 22, 2020: Field-bridge and slide patrols; odorant reads 1-d

Thursday September 24, 2020: follow up phonecon-Vidushi Raina, Danielle Troupe--two issues remaining-markers at creeks/bridges; MAOP records. PSE will get paper records from Bothell and Georgetown. Will take some time as buildings are locked down due to covid. 1-hr

Monday September 28 2020: Field-looked at markers at urban creek crossings on the Thornton Creek Watershed NE Seattle-1-d

Thursday October 8, 2020: Reviewed urban creek marker program with Vidushi Raina. Lines on bridges get markers, lines buried without scour, do not.

Wednesday October 14, 2020: Reviewed MAOP records for 3 older HP lines requested by UTC. All precode--reviewed records for 192.619(a) and (c)-grandfather clause. EXIT Interview. 2-hrs

Summary of Significant Findings
(DO NOT Discuss Enforcement options)

Results of the inspection showed there was one probable violation and one area of concern:

NOPV:

PSE could not produce the NDE records showing the disposition of a rejected weld in the 12" STW Main Relocation Alaskan Way at Pier 57- Seattle Aquarium project from 2018. The weld was identified as "Weld 10 CK&KM" in the original NDE report.

Area of Concern:

During the field portion of the inspection, the following test station readings did not meet minimum criteria of -850 mv.

1. TS 076106 E Marginal Way @ Duwamish -499 on -454 off. This read does not meet minimum criteria. PSE has 90 d to remediate per WAC 490-93-110.

Primary Operator contacts and/or participants

Vidushi Raina, Compliance Program Manager

Danielle Troupe, Sr Regulatory Analyst

Operator executive contact and mailing address for any official correspondence

Booga Gilbertson

Sr VP Operations

V355 110th Avenue Northeast, Bellevue, Washington 98004

Scope (Assets)

Short # Label	Long Label	Asset Type	Asset IDs	Excluded Topics	Planned	Required	Total Inspected	Required % Complete
1. PSE W King	Puget Sound Energy - Gas Distribution	other	--	Compressor Stations Storage Fields Bottle/Pipe - Holders Offshore GOM OCS Copper Pipe Aluminum pipe	131	131	131	100.0%

1. Percent completion excludes unanswered questions planned as "always observe".

Plans

#	Plan Assets	Focus Directives	Involved Groups/Subgroups	Qst Type(s)	Extent	Notes
1.	PSE W King	n/a	PRR	P, R, O, S	Detail	
2.	PSE W King	n/a	FR	P, R, O, S	Detail	

Plan Implementations

Activity #	Activity Name	SMART Act#	Start Date	Focus Directives	Involved Groups/Subgroups	Assets	Qst Type(s)	Planned	Required	Total Inspected	Required % Complete
1.	records	--	08/24/2020 08/27/2020	n/a	PRR	all assets	all types	83	83	83	100.0%
2.	field	--	09/14/2020 09/24/2020	n/a	FR	all assets	all types	48	48	48	100.0%

1. Since questions may be implemented in multiple activities, but answered only once, questions may be represented more than once in this table.
2. Percent completion excludes unanswered questions planned as "always observe".

Forms

No.	Entity	Form Name	Status	Date Completed	Activity Name	Asset
1.	Attendance List	records	COMPLETED	10/07/2020	records	PSE W King

Results (Unsat,Concern values, 2 results)

PRR.OM: Operations And Maintenance

1. Question Result, ID, References **Unsat, MO.GM.RECORDS.R, 192.605(b)(1) (192.243(f), 192.709(a), 192.709(b), 192.709(c))**
 Question Text *Do records indicate that records are maintained of each pipe/"other than pipe" repair, NDT required record, and (as required by subparts L or M) patrol, survey, inspection or test?*
 Assets Covered **PSE W King**
 Result Issue Summary **PSE does not have the tie-in NDE record for the repair and disposition of Weld 10.**
 Standard Issues **A2 (Significant impact/limited occurrence) : 192.605(b)(1) : No record/documentation.**
 Result Notes **12" STW Main Relocation Alaskan Way at Pier 57- Seattle Aquarium, 10/24/18 Leak test 15 min, Clipper Edwards PSE, 135 psi chart, 4 hr strength test at 375**

Weld 10 CK & KM rejected by OWL. According to PSE, it was repaired by grinding out surface crack. PSE did not have a record of follow up NDE testing of tie in weld after repair.

FR.FIELDPIPE: Pipeline Inspection (Field)

2. Question Result, ID, References **Concern, TD.CP.ADJACENTMETAL.O, 192.473(b)**
 Question Text *Are impressed current type cathodic protection systems and galvanic anode systems installed so as to minimize any adverse effect on existing adjacent underground metallic structures?*
 Assets Covered **PSE W King**
 Result Issue Summary **TS 076106 E Marginal Way @ Duwamish -499 -454 This read does not meet minimum criteria. PSE has 90 d to remediate per WAC 490-93-110**
 Result Notes **PS0033 Burién**

**C1F4
 15/10
 14.4 mv
 2.9 amps
 12.31vdc
 2225on 1114off**

PS 0324 6349 18th W Seattle
63% taps
50/10 shunt
19.9 my
3.8 amps
36.8vdc
-956 -1469 remote

PS 0422 MLK@Merton Way Seattle
16%taps
50/10 0.2
14.1mv
6.585vdc
Remote -1946 -995

PS0422

PS 0327
TS 015015 511 NE 174th Shoreline
Taps 38%
21.36vdc
50/10
15.5mv=3.1amps
Remote -2.03 -1091

PS 0393 9033 Corliss Ave N Seattle
TS 039951 9033 Corliss
PS0393
taps 10%
3.8vdc
50/10 0.2
4.6 mv=0.96 amps
GA 011296 8513 39th AveSW W Seattle
-869

TS001913 3727 Elmgrove W Seattle galvanic
—853

**TS 076106 E Marginal Way @ Duwamish
-499 -454 This read does not meet minimum criteria. PSE has 90 d to remediate per WAC 490-93-110**

TS 037213 16th Ave SW
-1145 -1200
Casing -371 -351

6th @ Walker
-892 -967
Casing
—629 -626

TS 034394 S Raymond at 19th Ave S
-1185 galvanic

TS 039131 18th Ave S at Raymond
-1079 galvanic

TS 076588 4400 Dawson -1455 galvanic

4411 Dawson -1446 galvanic

TS 076591 Bowen Pl at Dawson -1498

GA 037995 W Fort @ Gilman galvanic bridge over rail lines
-1721 west -1555 East

John Rockford
TS 039951 9033 Corliss
Remote -1478 -1020

TS 079430 NE 95th@ 5ave n for line into DR
-1045 -917

GA 039168 107th @ 30th Ave N bridge over creek—markers??
-casing -305
-1051 galvanic

TS 071732 2539 NE 107th
-948 galvanic

TS 015015 511 NE 174th
Remote -2.03 -1091

Report Parameters: Results: Unsat, Concern

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