Assessment and Repair - Confirmatory Direct Assessment

4. CDA Plan (detail) Is an adequate Confirmatory Direct	Assessment	Plan in pla	ace? (AR.CDA.	CDAPLAN.P) (detail)	
192.931 (192.931(a); 192.931(b); 192.931(c); 192.931(d))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: PSE Transmission Integrity Management Program	ı Plan (TIM	P) 2013 /	Appendix G S	Section 4.		
5. External Corrosion Plan (detail) From the review corrosion plan properly implemented? (AR.CDA.CDAEXTCORR.R)	of the resu (detail)	lts of seled	ted integrity a	assessment	s, was the	external
192.931(b)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
6. Internal Corrosion Plan (detail) From the review corrosion plan properly implemented? (AR.CDA.CDAINTCORR.R)	of the resul (detail)	lts of selec	ted integrity a	assessments	s, was the	internal
corrosion plan properly implemented? (AR.CDA.CDAINTCORR.R)	(detail)					
192.931(c)	Sat+	Sat	Concern	Unsat	NAX	NC
7. Remediation of Indications (detail) From the re	eview of the CATION.R)	results of (detail)	selected integ	ime.	nents, was	s the nee
lo alleieiale liie iiext assessiiieiil evalualeu? (AR.CDA.CDAINDI		· /				
192.931(d)	Sat+	SatX	Concern	Unsat	NA	NC
192.931(d)	Sat+	SatX	Concern	Unsat	NA	NC
Notes: Found no corrosion that would accelerate the nex	Sat+ tassessme	SatX ent.	Concern	Unsat	NA	NC

Assessment and Repair - External Corrosion Direct Assessment (ECDA)

3. ECDA Plan (detail) *Is an adequate ECDA plan and process in place for conducting ECDA?* (AR.EC.ECDAPLAN.P) (detail)

192.925(a) (192.925(b))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: PSE TIMP 2013 Appendix H: External Corrosion Di	irect Asses	sment Pl	an			
4. ECDA Pre-Assessment (detail) From the review of assessment process comply with NACE SP0502-2008 Section 3 ar	the results	of selecte 5(b)(1)? (/	<i>d integrity as</i> : AR.EC.ECDAPI	sessments, REASSESS.I	<i>does the E</i> R) (detail)	CDA pre-
192.925(b)(1) (NACE SP-0502-2008, Section 3.2)	Sat+X	Sat	Concern	Unsat	NA	NC
Notes: PSE does the indirect assessment for the intire line reassessments so they are only required to use one tool. and ECDA Region Report (PSE form, 4020)	e instead o Reviewed	of only the the Feasi	e HCA's. All bility Analys	assessme is Report (nts are (PSE form	ı 4026+)

 Integration of ECDA Results with other Infor with other information adequate? (AR.EC.ECDAINTEGRATION.P) (r mation (detail)	(detail)	Is the proces	s for integr	ating ECDA	<i>results</i>
192.917(b) (B31.8S Section 4.5)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: ECDA information is incorporated into the IRAS da background process appears to be adequate.	tabase ev	very year.	They use the	e Appendix	A, Figur	e 3-16
6. Integration of ECDA Results with other Infor integrate other data/information when evaluating data/results? (A	mation	(detail) AINTEGRAT	<i>From a revie</i> IION.R) (deta	w of records	s, did the c	perator
192.917(b) (B31.8S Section 4.5)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: Information for previous years is incorporated year every year. In one case a church was added to a segment accommodate that change.	rly into th and the l	he databas HCA had to	se and new r o be extende	isk rankin d the next	g is gener year to	ated
7. ECDA Region Identification (detail) From the re- operator identify ECDA Regions? (AR.EC.ECDAREGION.R) (detail)	view of the	e results of	selected integ	rity assessr	nents, did	the
192.925(b)(1) (NACE SP 0502 2008)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
(AR.EC.ECDAINDIRECT.R) (detail) 192.925(b)(2) (NACE SP0502-2008, Section 4)	Sat+	and ASME	Concern	Unsat	*? N A	N C
9. ECDA Direct Examination (detail) From the revie excavations and data collection performed in accordance with NAG	w of the re CE SP0502	esults of sel 2-2008, Sec	lected integrit; tions 5 and 6.	y assessmer 4.2 and AS	nts, were ME B31.85	, Sectior
192.925(b)(3) (NACE SP-0502-2008 Sections 5 and 6.4.2)	Sat+	SatX	Concern	Unsat	NA	NC
Notes: Direct examination was performed per NACE SP05	02-2008 \$	Section 5	in 2012.			
the ECDA data and other information adequate to identify externa (detail)	al corrosion	n threats to	the pipeline?	(AR.EC.ECI	DAANALYS	IS.R)
192.925(b)(4) (192.933(b); B31.8S Section 6.4)	Sat+	SatX	Concern	Unsat	NA	NC
Notes: Yes, during Lynnwood ECDA they found an area wh consider that the ECDA tool they are using is adequate for	this purp	ng was thi	inned but no	corrosion	was pres	ent. I
requirements met for post assessment? (AR.EC.ECDAPOSTASSES	S.R) (deta	il)	leteu megney			
192.925(b)(4) (NACE SP-0502-2002 Section 6.2)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: Remaining Life of North Midway is 19 years of rem	aining life	e at an co	rrosion rate	of .007 pei	year.	

Assessment and Repair - Internal Corrosion Direct Assessment

3. ICDA Plan (detail) Is an adequate ICDA plan and proce	ss in place	for condu	cting ICDA? (I	AR.IC.ICDA	PLAN.P) (d	etail)
192.927(c) (192.927(a); 192.927(b); ASME B31.8S, Section 6.4 and Appendix B2)	Sat+	Sat	Concern	Unsat	NAX	NC
Notes: PSE does not currently use ICDA for Integrity Mana transport corrosive gas in any of their transmission lines.	agement. If ICDA is	PSE uses required	ECDA exclu l, they will d	sively. PS evelop a p	E does no lan.	ot
I. Pre-Assessment (detail) From the review of the resu or an ICDA pre-assessment? (AR.IC.ICDAPREASSESS.R) (detail)	lts of selec	ted integri	ity assessmen	ts, were the	e requirem	ents me
92.927(c)(1) (B31.8S Appendix A2)	Sat+	Sat	Concern	Unsat	NAX	NC
transport corrosive gas in any of their transmission lines. 5. Integration of ICDA Results with other Inform	If ICDA is nation ((detail)	I, they will d	evelop a p	ating ICDA	results
vith other information adequate? (AR.IC.ICDAINTEGRATION.P) (d .92.917(b) (B31.85 Section 4.5)	etail) Sat+	Sat	Concern	Unsat	NAX	NC
5. Integration of ICDA Results with Other Infor <i>lata/information integrated when evaluating data/results?</i> (AR.IC	mation	(detail) GRATION.	From a revie R) (detail)	w of record	s, were oth	her
.92.917(b) (B31.8S Section 4.5)	Sat+	Sat	Concern	Unsat	NAX	NC
Transport corrosive gas in any of their transmission lines. 7. ICDA Region Identification (detail) From the rev legions adequately identified? (AR.IC.ICDAREGION.R) (detail) 92.927(c)(2) (192.927(c)(5))	If ICDA is iew of the Sat+	required	l, they will description of the selected integ	evelop a p rity assessr Unsat	lan. nents, wer <mark>NAX</mark>	e ICDA
Notes: DEE doos not supportly use ICDA for Integrity Man	aamant	DCE uses		aivaly DC		
B. Identification of Locations for Excavation and esults of selected integrity assessments, were sites identified whe	If ICDA is I Direct	Examin Corrosion	ation (de	evelop a p tail) From ent? (AR.IC	the reviev	v of the CT.R)
detail) .92.927(c)(3) (192.927(c)(5))	Sat+	Sat	Concern	Unsat	NAX	NC
			1	· · · · · ·		

10. Post-Assessment Evaluation and Monitoring (de	tail) From the review of the results of selected integrity
assessments, did the operator assess the effectiveness of the ICDA proc	cess? (AR.IC.ICDAPOSTASSESS.R) (detail)

192.927(c)(4)(i) (192.927(c)(4)(ii))	Sat+	Sat	Concern	Unsat	NAX	NC
Notes: PSE does not currently use ICDA for Integrity Man	agement.	PSE uses	ECDA exclu	sively. PS	E does no	t
transport corrosive gas in any of their transmission lines.	If ICDA is	required	, they will d	evelop a p	lan.	

11. Quality of ICDA Data Analysis (detail) From the review of the results of integrity assessments, was analysis of the ICDA data and other information adequate to identify internal corrosion threats to the pipeline? (AR.IC.ICDAANALYSIS.R) (detail)

192.927 (192.933(b); B31.8S Section 6.4, Appendix A2 and Appendix B2)	Sat+	Sat	Concern	Unsat	NAX	NC	
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Notes: PSE does not currently use ICDA for Integrity Management. PSE uses ECDA exclusively. PSE does not transport corrosive gas in any of their transmission lines. If ICDA is required, they will develop a plan.

Assessment and Repair - Repair Criteria

1. Definition of Discovery (detail) *Does the integrity assessment process properly define discovery and the required time frame?* (AR.RC.DISCOVERY.P) (detail)

192.933(b)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: Discovery is properly defined in TIMP 201	13 Section 9 and Ap	pendix J	Section 4.			
2. Inclusion of All IM Repair Criteria (de processes include all of the §192.933 repair criteria? (A	e tail) Do the operat R.RC.IMPRC.P) (deta	or's Integr il)	ity Manageme	ent Plan and	l/or mainte	nance
192.911(e) (192.933(c); 192.933(d))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: PSE TIMP 2013 Appendix J Sections 6 and	d 7					6
3. Categorization of Defects (detail) Fron categorized or discovered? (AR.RC.DEFECTCAT.R) (detail)	n the review of the re	sults of int	tegrity assessi	ments, were	e all defect	s properly
192.933(d) (192.933(b); 192.933(c))	Sat+	SatX	Concern	Unsat	NA	NC
Notes: Reviewed three integrity assessments. PS	SE followed their p	ogram ar	nd categorize	ed indication	ons as rec	uired.
4. Pressure Reductions Taken in Respon the results of integrity assessments, was an acceptable when a repair schedule could not be met? (AR.RC.PRES	ise to Remediat pressure reduction p SREDUCE.R) (detail)	ion of C romptly ta	Conditions ken for each i	(detail) Immediate	From the Repair con	review of dition or
192.933(a)	Sat+	Sat	Concern	Unsat	NAX	NC
Notes: No pressure reductions have been require	ed.					

192.933(c) (ASME B31.8S, Section 7)	Sat+	SatX	Concern	Unsat	NA	NC
Notes; Reviewed PSE prioritized schedule a the schedule.	and the scheduling of EC	DA's and t	found that th	ne digs wei	e perfor	med pe
6. Adequacy of Remediation (detail specified in the prioritized schedule adequate to e (AR.RC.METHOD.R) (detail)) From the review of the rensure the integrity of the p	esults of in ipeline uni	tegrity assess til the next scl	ments, is th heduled reas	e remedia ssessment	ation t?
	Satt	SatX	Concern	Unsat	NA	NC
192.933(a) Notes: External Corrosion and third party d determine where the external coating may 7. Repair Criteria in Covered Segme	amage are PSE's major be compromised.	threats. P	SE uses the	tools CIS a	nd DCVG	i to aking
192.933(a) Notes: External Corrosion and third party of determine where the external coating may 7. Repair Criteria in Covered Segmenter repairs in covered segments? (AR.RC.CRITERIA.P 192.933(c)	amage are PSE's major to be compromised. ents (detail) Does the f (detail)	threats. P repair proc SatX	SE uses the ess cover all o Concern	tools CIS a of the eleme	nd DCVG nts for ma	i to aking NC
192.933(a) Notes: External Corrosion and third party d determine where the external coating may 7. Repair Criteria in Covered Segme repairs in covered segments? (AR.RC.CRITERIA.P 192.933(c) Notes: PSE TIMP 2013 Appendix J: Anomal	amage are PSE's major to be compromised. ents (detail) Does the f (detail) Sat+ ous Conditions Sections	threats. P repair proc SatX 5-8.	SE uses the ess cover all o Concern	tools CIS a	nd DCVG nts for ma N A	i to aking NC
192.933(a) Notes: External Corrosion and third party of determine where the external coating may 7. Repair Criteria in Covered Segme repairs in covered segments? (AR.RC.CRITERIA.P 192.933(c) Notes: PSE TIMP 2013 Appendix J: Anomal 8. Timely Remediation (detail) From could affect an HCA remediated or dispositioned (mandatory time limits of 192.933(d)? (AR.RC.SC	amage are PSE's major is be compromised. (detail) Does the is (detail) Sat + ous Conditions Sections the review of the results of (i.e., repair, pressure reduce HEDULEIMPL.R) (detail)	threats. P repair proc SatX 5-8. integrity a tion, or no	SE uses the ess cover all o Concern	tools CIS a of the eleme Unsat Were defects HMSA) withi	nd DCVG nts for ma N A	aking NC NC
 192.933(a) Notes: External Corrosion and third party didetermine where the external coating may 7. Repair Criteria in Covered Segmenerepairs in covered segments? (AR.RC.CRITERIA.P. 192.933(c) Notes: PSE TIMP 2013 Appendix J: Anomal 8. Timely Remediation (detail) From could affect an HCA remediated or dispositioned (mandatory time limits of 192.933(d)? (AR.RC.SC 192.933(d) (ASME B31.8S Section 7) 	amage are PSE's major is be compromised. (detail) Does the f (detail) Sat + ous Conditions Sections the review of the results of (i.e., repair, pressure reduce HEDULEIMPL.R) (detail) Sat +	threats. P repair proc SatX 5-8. integrity a tion, or no SatX	SE uses the ess cover all o Concern	tools CIS a of the eleme Unsat Were defects HMSA) withi	nd DCVG nts for ma N A s in segme n the app N A	aking NC NC NC

Assessment and Repair - Stress Corrosion Cracking

2. SCCDA Plan (detail) *Is an adequate plan developed for performing SCCDA, if the conditions for SCC were present?* (AR.SCC.SCCDAPLAN.P) (detail)

Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
PSE determine C to be a threat	ed that th t they wi	e conditions Il develop a p	for SCC w lan for SC	ere not pı C.	resent
e review of the re	esults of s	elected integri	ty assessme	ents, were	data
Sat+	Sat	Concern	Unsat	NAX	NC
	Sat + PSE determine C to be a threat review of the re Sat +	Sat +SatXPSE determined that th C to be a threat they wille review of the results of setSat +Sat	Sat+ SatX Concern PSE determined that the conditions C to be a threat they will develop a p e review of the results of selected integrit Sat+ Sat Concern	Sat+ SatX Concern Unsat PSE determined that the conditions for SCC w C to be a threat they will develop a plan for SC e review of the results of selected integrity assessmed Sat+ Sat Concern Unsat	Sat+ SatX Concern Unsat NA PSE determined that the conditions for SCC were not proceed by a plan for SCC. Score a threat they will develop a plan for SCC. Score a threat they will develop a plan for SCC. e review of the results of selected integrity assessments, were Sat+ Sat Concern Unsat NAX

4. Assessment Method (High pH SCC) (detail) From the review of the results of selected integrity assessments, did the operator perform an assessment using one of the methods specified in B31.8S Appendix A3? (AR.SCC.SCCDAMETHOD.R) (detail)

192.929(b)(2) (B31.8S Appendix A3)	Sat+	Sat	Concern	Unsat	NAX	NC
Notes: Conditions for SCC do not exist on PSE trans	mission lines.					
5. Assessing for Near Neutral SCC (detail) pipeline evaluated for near neutral SCC? (AR.SCC.SCCDAN	From the review of EARNEUTRAL.R) (of the residetail)	ults of selected	l integrity a	assessment	s, was th
192.929(b)(2)	Sat+	Sat	Concern	Unsat	NAX	NC
Notes: Conditions for SCC do not exist on PSE trans	mission lines.					
Notes: Conditions for SCC do not exist on PSE transf 6. Reassessment Interval (detail) From the red determine a reassessment interval based on SCCDA results	mission lines. eview of the result 5? (AR.SCC.SCCD/	s of selec	ted integrity a	<i>ssessments</i> detail)	s, did the o	perator

Integrity Management - Baseline Assessments

1. IM Baseline Assessments - Methods (detail) Does the process include requirements for specifying an assessment method(s) for each covered segment that is best suited for identifying anomalies associated with specific threats identified for the segment? (IM.BA.BAMETHODS.P) (detail)

192.919(b) (192.921(a); 192.921(c); 192.921(h))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC	
Notes: External Corrosion and third party damage are their two m Voltage Gradient (DCVG) are the assessment methods use	ajor threa d by PSE.	ts. Close	Interval Su	rvey (CIS)	& Direct (Current	

2. IM Baseline Assessments - Methods (detail) *Was an assessment method(s) specified for each covered segment that is best suited for identifying anomalies associated with specific threats identified for the segment?* (IM.BA.BAMETHODS.R) (detail)

Sat+

SatX

Concern Unsat

NA

NC

192.919(b) (192.921(a); 192.921(c); 192.921(h))

Notes: 2004 Transmission Integrity Management Program (TIMP) Manual Appendix 4-4 Integrity Assessment	
Methods and Detailed Assessment Schedules for All Segments.	

3. IM Baseline Assessments - Prioritized Schedule (detail) *Does the BAP process require a schedule for completing the assessment activities for all covered segments and consideration of applicable risk factors in the prioritization of the schedule?* (IM.BA.BASCHEDULE.P) (detail)

192.917(c), (192.919(c); 192.921(b))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: 2004 TIMP Manual Appendix A4-4, and current ma	anual TIM	P 2013 Ap	opendix F, Se	ection 4(p	age 173)	

the assessment activities for all covered segments that appropri schedule as required by the process? (IM.BA.BASCHEDULE.R) (detail)	ieu trie ap				
192.917(c) (192.919(c); 192.921)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: Baseline Assessment was prioritized in 2004 and 2005-2010 except for casings. Casings were removed in holidays in coating were removed to determine if any con and they were mitigated. Evaluation was completed per	covered se n 2009 thru rrosion was the risk mo	gments ha 2012. Pij present. del.	ad electrical pe under the Corrosion w	surveys pe casing wa as found ir	erformed s Jeeped 1 two loc	from and all ations
5. IM Baseline Assessments - Prior Assessmer <i>methods meet the requirements of §192.921(a) and associated</i> <i>isted in §192.933?</i> (IM.BA.BAPRIOR.P) (detail)	n ts (detai remedial act) Does th ions to hav	e process requ re been carried	uire that prid d out to add	or assessr ress cond	nent itions
192.921(e)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
6. IM Baseline Assessments - Prior Assessment assessment methods met the requirements of §192.921(a) and conditions listed in §192.933? (IM.BA.BAPRIOR.R) (detail)	its (detai associated re) From a emedial act	review of sele tions to have l	cted records been carried	s, have pr l out to ad	ior Idress
192.921(e)	Sat+	Sat X	Concern	Unsat	NA	NC
.150 was found where a casing seal had disbonded and r and the remaining wall thickness was insufficient for the to mitigate the problem.	roded area esulted in a MOAP of th	1.5 inches corrosion le pipeline	s long with a n area. Calcu e. PSE instal	remaining Ilations we led a reinf) wall thic ere perfor orcement	ckness (rmed t sleeve
 150 was found where a casing seal had disbonded and r and the remaining wall thickness was insufficient for the to mitigate the problem. 7. IM Baseline Assessments - New HCAs/New requirements for updating the baseline assessment plan for new 	roded area esulted in a MOAP of th MOAP of th Jy Installe	1.5 inches corrosion e pipeline ed Pipe ewly instal	s long with a n area. Calcu e. PSE instal (detail) Do led pipe? (IM.	remaining ulations we led a reinfo es the proce BA.BANEW.	y wall thic ere perfor orcement ess include P) (detail)	ckness o rmed t sleeve
 150 was found where a casing seal had disbonded and r and the remaining wall thickness was insufficient for the to mitigate the problem. 7. IM Baseline Assessments - New HCAs/New requirements for updating the baseline assessment plan for new 192.905(c) (192.921(f); 192.921(g)) 	roded area esulted in a MOAP of th MOAP of th IV Installe HCAs and n Sat +	1.5 inches corrosion e pipeline ed Pipe ewly instal Sat X	(detail) Do led pipe? (IM. Concern	remaining ulations we led a reinfo ees the proce BA.BANEW. Unsat	y wall thic ere perfor orcement ess includ P) (detail) N A	ckness rmed t sleeve
 Active Construction of the case of the value of the construction of the case of the value of the construction of the	roded area esulted in a MOAP of th ////////////////////////////////////	1.5 inches corrosion e pipelind ed Pipe ewly instal Sat X sessment where a base ed Pipe	iong with a narea. Calcu PSE instal (detail) Do led pipe? (IM. Concern plan is upda all field was (detail) Ha	remaining ulations we led a reinfo es the proce BA.BANEW. Unsat ted every y found adja	ess include P) (detail) NA year. One cent to the een adequ	N C he
 7. IM Baseline Assessments - New HCAs/New requirements for updating the baseline assessment plan for new 192.905(c) (192.921(f); 192.921(g)) Notes: TIMP 2013, section 5 and Appendix B. section 8. example is the addition of a HCA on the newly acquired Spipeline. 3. IM Baseline Assessments - New HCAs/New required for new HCAs and newly installed pipe? (IM.BA.BANEW 192.905(c), (192.921(f); 192.921(g)) 	roded area esulted in a MOAP of th IV Installe (HCAs and n Sat+ Baseline as: Sumas line v IV Installe (R) (detail) Sat+	1.5 inches corrosion e pipelind ed Pipe ewly instal Sat X sessment where a back ed Pipe SatX	s long with a n area. Calcu e. PSE instal (detail) Do led pipe? (IM. Concern plan is upda all field was (detail) Ha	remaining ulations we led a reinfor es the proce BA.BANEW. Unsat ted every y found adja	ess include (ess include (ess include (ess) (detail) NA (gear. One (cent to the een adeque NA	e N C nately N C
 Active Construction of a HCA in Sumas and another cather of a series of the cases of the cases of the case of the cas	roded area esulted in a MOAP of th IV Installe (HCAs and n Sat+ Baseline as Sumas line v IV Installe R) (detail) Sat+ se where th & Safety R d reassessme	1.5 inches corrosion e pipelind ed Pipe ewly instal Sat X sessment where a bas ed Pipe SatX e HCA wa tisks (de nt) in a ma	is long with a narea. Calcu PSE instal (detail) Do led pipe? (IM. Concern plan is upda all field was (detail) Ha Concern as extended to etail) Does to anner that min	remaining ulations we led a reinfor BA.BANEW. Unsat ted every y found adja s the BAP b Unsat Unsat to include a	ess include p) (detail) NA year. One cent to the een adeque NA a new che include	ckness of rmed sleeve N C he <i>lately</i> N C urch on

10. IM Baseline Assessments - Environmental & Safety Risks (detail) From a review of selected records, have integrity assessments (baseline and reassessment) been conducted in a manner that minimizes environmental and safety ricks? (IM BA BAENVIRON B) (detail)

TISKS? (IM.DA.DAEINVIRON.R) (UELdii)			1				1
192.911(m) (192.11(o); 192.919(e); ASME B31.8S-2004, Section 11)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC	
							1

Notes: Safety programs are in place and in one case they supported a light pole when they were not sure how close the pipeline was to the footing.

Integrity Management - Continual Evaluation and Assessment

1. Periodic Evaluations (detail) *Does the process include requirements for a periodic evaluation of pipeline integrity based on data integration and risk assessment to identify the threats specific to each covered segment and the risk represented by these threats?* (IM.CA.PERIODICEVAL.P) (detail)

192.937(b) (192.917(a); 192.917(b); 192.917(c); 192.917(d); 192.917(e))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: TIMP 2013 Section 12, Periodic Evaluation and Imp	provement	t				

2. Periodic Evaluations (detail) *Have periodic evaluations of pipeline integrity been performed based on data integration and risk assessment to identify the threats specific to each covered segment and the risk represented by these threats?* (IM.CA.PERIODICEVAL.R) (detail)

Sat+

Sat+

SatX

SatX

Concern Unsat

Concern Unsat

ΝA

N A

NC

NC

192.937(b) (192.917(a); 192.917(b); 192.917(c); 192.917(d); 192.917(e))

Notes: PSE provides data to their risk model and reevaluates risk annually. Reviewed PSE Baseline Assessment in 2004 and found that subsequent reevaluations were performed per the prioritized schedule.

3. IM Continual Assessments - Methods (detail) *Is the approach for establishing reassessment method(s) consistent with the requirements in* §192.937(*c*)? (IM.CA.REASSESSMETHOD.P) (detail)

192.937(c) (192.931)

Notes: PSE uses direct assessment of the pipeline as a reassessment method.

4. IM Continual Assessments - Methods (detail) *Has the approach for establishing the reassessment method been performed in a manner consistent with the requirements in §192.937(c) and as required?* (IM.CA.REASSESSMETHOD.R) (detail)

192.937(c) (192.931)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: PSE uses ECDA for all assessments of Transm	nission Pipeline	5.				
5. Low Stress Reassessments (detail) Does t method to address threats of external and/or internal corros (IM.CA.LOWSTRESSREASSESS.P) (detail)	the process incluc sion for pipelines	le requiren operating	nents for the at below 30%	"low stress 5 SMYS.	reassessm	ent"
192.941(a) (192.941(b); 192.941(c))	Sat+	Sat	Concern	Unsat	NAX	NC

6. Low Stress Reassessments (detail) *Is the implementation of "low stress reassessment" method to address threats of external and/or internal corrosion adequate and being performed as required?* (IM.CA.LOWSTRESSREASSESS.R) (detail)

Reassessment Intervals (detail) <i>Is the process it</i> <i>92.939 and ASME B31.85-2004?</i> (IM.CA.REASSESSINTERVAL 2.937(a) (192.939(a); 192.939(b); 192.913(c); ASME B31.85 04, Section 5, Table 3) Dets: Appendix G, Table 4-1, 7 year interval for Confirm	y use Confi for establishi .P) (detail) 5- Sat+ hatory Direc	rmatory C ing the rea SatX ct Assessr	Direct Assess ssessment int Concern	ments. ervals cons Unsat	istent with	
Reassessment Intervals (detail) Is the process of 92.939 and ASME B31.8S-2004? (IM.CA.REASSESSINTERVAL 2.937(a) (192.939(a); 192.939(b); 192.913(c); ASME B31.85 04, Section 5, Table 3) ptes: Appendix G, Table 4-1, 7 year interval for Confirm	for establishi P) (detail) S- Sat+ hatory Direc	ing the rea SatX ct Assessi	ssessment int	ervals cons Unsat	istent with	
2.937(a) (192.939(a); 192.939(b); 192.913(c); ASME B31.85 04, Section 5, Table 3) otes: Appendix G, Table 4-1, 7 year interval for Confirm	Sat+ natory Direc	<mark>SatX</mark> ct Assessi	Concern	Unsat	NA	
otes: Appendix G, Table 4-1, 7 year interval for Confirm	natory Direc	ct Assessi	nont			NC
			nent.			
Reassessment Intervals (detail) Have reassess 92.939 and ASME B31.8S-2004 as required? (IM.CA.REASSES	<i>nent interval</i> SINTERVAL.	<i>ls been est</i> R) (detail)	ablished in a	manner con	sistent witi	h
2.937(a) (192.939(a); 192.939(b); 192.913(c); ASME B31.85 04, Section 5, Table 3)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	N C
otes: Reviewed the Reassessment Schedule in Table 3-1	L: of 7500.4	400				
Waiver from Reassessment Interval in Limit		tions (d	etail) Does	the process	s include	
Unrements for reassessment interval waivers? (IM.CA.REASSE	SSWAIVER.		C - m m m	11		
-19 18(0) (19219 18(0))	5411	U U U X	concern	Unbut		
). Waiver from Reassessment Interval in Lim <i>ivers been adequately implemented, if applicable?</i> (IM.CA.REA	ited Situ	ations (/ER.R) (de	detail) Hav tail)	e reassessi	ment interv	'al
2.943(a) (192.943(b))	Sat+	Sat	Concern	Unsat	NAX	NC
otes: PSE has not requested a waiver to date.	ts based	on Exce	eptional Pe	erformar	nce (det	ail)
. Deviation from Reassessment Requiremen es the process include requirements for deviations from reass	essment req	uirements	based on exc			
L. Deviation from Reassessment Requiremen es the process include requirements for deviations from reass 1.CA.REASSESSEXCPERF.P) (detail) 2 913(a) (192 913(b): 192 913(c): ASME B31 8S-2004)	essment req	Sat		Ilnsat	NAX	NC
L. Deviation from Reassessment Requiremen es the process include requirements for deviations from reass 1.CA.REASSESSEXCPERF.P) (detail) 2.913(a) (192.913(b); 192.913(c); ASME B31.8S-2004)	sat+	uirements Sat	Concern	Unsat	NAX	N C
	sat +	Sat Sat on Exce	Concern Concern eptional Pe	Unsat erformar y handled,	NAX nce (det if applicable	N C ail) e?
	sat+	Sat Sat on Exce	Concern eptional Petern concern	Unsat erformar y handled,	NAX nce (det	NC ail) e?

Integrity Management - High Consequence Areas

192.905(a)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes PSE uses method two which is in Transmi 3.2.	ssion Integrity Mar	agement	Program Pla	n (TIMP).	Sections	5 3.1 and
2. IM High Consequence Areas - HCA Id high consequence areas completed by December 17, 2	entification (de	tail) Was	s the identifica requirements	ation of pipe ? (IM.HC.HC	eline segm CAID.R) (d	<i>ents in</i> letail)
192.905(a) (192.907(a); 192.911(a))	Sat+	SatX	Concern	Unsat	NA	NC
3. IM High Consequence Areas - Potent potential impact radius (PIR) for establishment of high (IM.HC.HCAPIR.P) (detail)	ial Impact Radi	us (deta onsistent v	iii) Is the provise the provise the require	ocess for de ements of §	fining and 192.903?	applying
192.903 (192.905(a)) Notes :PSE uses the same formula as show in 19 4 TM High Consequence Areas - Potenti	Sat+ 2.903 for defining ial Impact Radi	SatX their Pote	Concern ntial Impact	Unsat Radius.	NA	N C
192.903 (192.905(a)) Notes :PSE uses the same formula as show in 19 4. IM High Consequence Areas - Potenti impact radius (PIR) for establishment of high conseque (detail)	Sat+ 2.903 for defining ial Impact Radi ence areas consistent	SatX their Pote us (deta with requir	Concern ntial Impact nil) Do record rements of §1	Unsat Radius. ds indicate u 92.903? (IN	NA use of pote 1.HC.HCAF	NC ential PIR.R)
192.903 (192.905(a)) Notes :PSE uses the same formula as show in 19 4. IM High Consequence Areas - Potenti impact radius (PIR) for establishment of high conseque (detail) 192.903 (192.905(a)) Notes Reviewed records that show the definition	Sat+ 2.903 for defining ial Impact Radi ence areas consistent Sat+ n of PIR for the ren	SatX their Pote us (deta with requin SatX nainder of	Concern ntial Impact nil) Do record rements of §1 Concern the system.	Unsat Radius. ds indicate u 92.903? (IM Unsat Confirme	NA Ise of pote 1.HC.HCAF NA d that PI	NC ential PIR.R) NC R of
 192.903 (192.905(a)) Notes :PSE uses the same formula as show in 19 4. IM High Consequence Areas - Potenti impact radius (PIR) for establishment of high conseque (detail) 192.903 (192.905(a)) Notes Reviewed records that show the definition 126+ ft was correct for Sumas. 5. IM High Consequence Areas - Identifi include the sources listed in §192.905(b) for those buil the source(s) of information selected to be documented 	Sat+ 2.903 for defining f ial Impact Radi ence areas consistent Sat+ n of PIR for the ren idings or outside area d? (IM.HC.HCASITES.	SatX their Pote us (deta with requin SatX nainder of b Does th s meeting P) (detail)	Concern ntial Impact (iii) Do record rements of §1 Concern the system. e process for the criteria spo	Unsat Radius. ds indicate u 92.903? (IN Unsat Confirme identificatio ecified by §	N A use of pote 1.HC.HCAF N A d that PI n of identi 192.903 a	N C ential PIR.R) N C R of ified sites nd requir
 192.903 (192.905(a)) Notes :PSE uses the same formula as show in 19 4. IM High Consequence Areas - Potentii impact radius (PIR) for establishment of high conseque (detail) 192.903 (192.905(a)) Notes Reviewed records that show the definition 126+ ft was correct for Sumas. 5. IM High Consequence Areas - Identif nclude the sources listed in §192.905(b) for those buil the source(s) of information selected to be documented (192.903 (192.905(b)) 	Sat+ 2.903 for defining f ial Impact Radi ence areas consistent Sat+ n of PIR for the ren idings or outside area d? (IM.HC.HCASITES. Sat+	SatX their Pote us (deta with requin SatX nainder of I) Does th s meeting P) (detail) SatX	Concern ntial Impact ail) Do record rements of §1 Concern the system. e process for the criteria spo Concern	Unsat Radius. ds indicate u 92.903? (IM Unsat Confirme identificatio ecified by § Unsat	N A Use of pote 1.HC.HCAF N A d that PI n of identi 192.903 a N A	N C ential PIR.R) N C R of ified sites ind required N C
 192.903 (192.905(a)) Notes :PSE uses the same formula as show in 19 4. IM High Consequence Areas - Potentian (mpact radius (PIR) for establishment of high consequence (detail) 192.903 (192.905(a)) Notes Reviewed records that show the definition 126+ ft was correct for Sumas. 5. IM High Consequence Areas - Identified (the source(s) of information selected to be documented (192.903 (192.905(b))) Notes PSE uses all the listed sources and have action of the source of the	Sat+ 22.903 for defining f ial Impact Radi ence areas consistent Sat+ n of PIR for the ren dial Sites (detai (IM.HC.HCASITES) Sat+ dditional sources the fied Sites (detai	SatX their Pote us (deta with require SatX nainder of P) (detail) SatX nat they us	Concern ntial Impact ntial Impact Do record rements of §1: Concern the system. concern che criteria spo Concern se.	Unsat Radius. ds indicate u 92.903? (IN Unsat Confirme identificatio ecified by § Unsat	N A Ise of pote 1.HC.HCAF N A d that PI n of identi 192.903 a N A of identifi	ential PIR.R) NC R of ified sites ind requi NC
 192.903 (192.905(a)) Notes :PSE uses the same formula as show in 19 4. IM High Consequence Areas - Potentimpact radius (PIR) for establishment of high consequendetail) 192.903 (192.905(a)) Notes Reviewed records that show the definition 126+ ft was correct for Sumas. 5. IM High Consequence Areas - Identifing network (192.905(b)) for those buil the source(s) of information selected to be documented 192.903 (192.905(b)) Notes PSE uses all the listed sources and have ad 5. IM High Consequence Areas - Identification 5. IM High Consequence Areas - Identification 192.903 (192.905(b)) Notes PSE uses all the listed sources and have ad 5. IM High Consequence Areas - Identification 6. IM High Consequence Areas - Identification 6. IM High Consequence Areas - Identification 7. IM High Consequence Areas - Identification 8. IM High Consequence Areas - Identification 9. IM High Consequence Areas - Identification 	Sat+ 22.903 for defining f ial Impact Radi ence areas consistent Sat+ n of PIR for the ren dings or outside area d? (IM.HC.HCASITES. Sat+ dditional sources the fied Sites (detail etail)	SatX their Pote us (deta with require SatX nainder of P) (detail) SatX nat they us I) Do reco	Concern ntial Impact il) Do record rements of §1: Concern the system. concern se. Concern se.	Unsat Radius. As indicate u 92.903? (IN Unsat Confirme identificatio ecified by § Unsat	N A Use of pote 1.HC.HCAF N A d that PI n of identi 192.903 a N A of identifi	N C ential PIR.R) N C R of Fied sites nd requin N C

192.903(1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))	Sat+	Sat	Concern	Unsat	NAX	NC
Notes: PSE uses Method 2 only for identifying HCAs.						
8. IM High Consequence Areas - Identification indicate adequate application of the §192.903 High Consequence (IM.HC.HCAMETHOD1.R) (detail)	Method Area defini	1 (Class tion (1) fo	5 Location r the identifica	s) (deta in Nation of HCA	il) Do reco As?	ords
192.903 (1)(i) (192.903(1)(ii); 192.903(1)(iii); 192.903(1)(iv))	Sat+	Sat	Concern	Unsat	NAX	NC
Notes: PSE uses Method 2 only for identifying HCAs.						
9. IM High Consequence Areas - Identification the integrity management process adequate for application of §1 HCAs? (IM.HC.HCAMETHOD2.P) (detail)	Method 92.903 High	2 (Pote n Consequ	ntial Impa ence Area defi	inition (2) f	is) (det or identific	ail) Is ation of
192.903(2)(i) (192.903(2)(ii))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
10. IM High Consequence Areas - Identificatio records indicate adequate application of §192.903 High Consequ	n Methoc ence Area d	I 2 (Pot efinition (2	ential Imp 2) for identifica	act Rad	ius) (de As?	tail) /
10. IM High Consequence Areas - Identificatio records indicate adequate application of §192.903 High Consequ (IM.HC.HCAMETHOD2.R) (detail) 192.903(2)(i) (192.903(2)(ii))	n Methoc ence Area d Sat+	I 2 (Pot efinition (2 SatX	ential Imp 2) for identifica Concern	act Rad ation of HC/ Unsat	ius) (de ^{4s?} NA	tail) /
 10. IM High Consequence Areas - Identificatio records indicate adequate application of §192.903 High Consequ (IM.HC.HCAMETHOD2.R) (detail) 192.903(2)(i) (192.903(2)(ii)) Notes : Reviewed HCA maps for Olympia and Midway for calculations for transmission segment. 11. IM High Consequence Areas - Newly Identian 	n Methoc ence Area d Sat+ years 200	I 2 (Pot efinition (2 SatX 5, 2006, s (deta	ential Imp 2) for identifica Concern 2007, 2010, il) Does the	Dact Rad ation of HC/ Unsat 2011. Re	ius) (de ^{As?} NA viewed P ^l ude a requ	N C IR
 10. IM High Consequence Areas - Identification records indicate adequate application of §192.903 High Conseque (IM.HC.HCAMETHOD2.R) (detail) 192.903(2)(i) (192.903(2)(ii)) Notes : Reviewed HCA maps for Olympia and Midway for calculations for transmission segment. 11. IM High Consequence Areas - Newly Identified for evaluation of new information that may show that a pipeline (detail) 	n Methoc ence Area d Sat + years 200 fied HCA	I 2 (Pot efinition (2 SatX 5, 2006, ss (deta pacts a hig	ential Imp 2) for identifica Concern 2007, 2010, il) Does the ph consequence	act Rad ation of HC/ Unsat 2011. Re process incl e area? (IM	ius) (de As? NA viewed P ude a requ	N C IR <i>uiremen</i> EW.P)
 10. IM High Consequence Areas - Identificatio records indicate adequate application of §192.903 High Consequ (IM.HC.HCAMETHOD2.R) (detail) 192.903(2)(i) (192.903(2)(ii)) Notes : Reviewed HCA maps for Olympia and Midway for calculations for transmission segment. 11. IM High Consequence Areas - Newly Identifier for evaluation of new information that may show that a pipeline (detail) 192.905(c) 	n Methoc ence Area d Sat+ years 200 fied HCA segment imp Sat+	I 2 (Pot efinition (2 SatX 5, 2006, s (deta bacts a hig SatX	ential Imp 2) for identifica Concern 2007, 2010, il) Does the ph consequence Concern	act Rad ation of HC/ Unsat 2011. Re process inclu- te area? (IM Unsat	ius) (de As? NA viewed P ude a requ 1.HC.HCAN	itail) NC IR iiremen EW.P) NC
 10. IM High Consequence Areas - Identificatio records indicate adequate application of §192.903 High Consequ (IM.HC.HCAMETHOD2.R) (detail) 192.903(2)(i) (192.903(2)(ii)) Notes : Reviewed HCA maps for Olympia and Midway for calculations for transmission segment. 11. IM High Consequence Areas - Newly Identified for evaluation of new information that may show that a pipeline of (detail) 192.905(c) Notes; Process sets up inspections(ground surveys) of the that information assessed to determine if another HCA example. 12. IM High Consequence Areas - Newly Identification assessed to determine if another HCA example. 	n Methoc ence Area d Sat + years 200 fied HCA segment im Sat + he area wit ists on the fied HCA	I 2 (Pot efinition (2 SatX 5, 2006, as (deta bacts a hig SatX hin PIR for pipeline. s (deta	ential Imp 2) for identificat Concern 2007, 2010, il) Does the p th consequence Concern or each trans	act Rad ation of HC/ Unsat 2011. Re process incl e area? (IM Unsat smission se	ius) (de As? NA viewed P ude a requ ude a requ Lude a requ NA egment, a	N C IR iiremen EW.P) N C and has
 10. IM High Consequence Areas - Identificatio records indicate adequate application of §192.903 High Consequ (IM.HC.HCAMETHOD2.R) (detail) 192.903(2)(i) (192.903(2)(ii)) Notes : Reviewed HCA maps for Olympia and Midway for calculations for transmission segment. 11. IM High Consequence Areas - Newly Identified for evaluation of new information that may show that a pipeline (detail) 192.905(c) Notes; Process sets up inspections(ground surveys) of the that information assessed to determine if another HCA examples and the pipeline segment impacts a high consequence at 192.905(c) 	n Methoc ence Area d Sat + years 200 fied HCA segment imp Sat + ne area wit ists on the fied HCA frea being p Sat + X	I 2 (Pot efinition (2 SatX 5, 2006, as (deta bacts a hig SatX hin PIR fo pipeline as (deta erformed of Sat	ential Imp 2) for identification Concern 2007, 2010, iI) Does the th consequence Concern or each trans iI) Are evalue as required? (: Concern	act Rad ation of HC/ Unsat 2011. Re process inclu- e area? (IM Unsat smission so ations of ne Unsat Unsat	ius) (de As? NA viewed P: Ude a requ Lude a requ Lude a requ Lude a requ Lude a requ NA	etail) I N C IR iiremen EW.P) N C and has tion that etail) N C

Integrity Management - Preventive and Mitigative Measures

1. P&M Measures - General Requirements (detail) *Does the process include requirements to identify additional measures to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in a high consequence area?* (IM.PM.PMMGENERAL.P) (detail)

192.935(a)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: PSE TIMP 2013 Appendix K, Preventative and Mitig	gative Mea	asures.				
2. P&M Measures - General Requirements (deta (or scheduled) beyond those already required by Part 192 to prev pipeline failure in an HCA? (IM.PM.PMMGENERAL.R) (detail)	ail) Have a vent a pipel	additional r line failure	neasures bee and to mitigat	n identified te the conse	and impler equences o	nented of a
192.935(a)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: For PSE they leak survey transmission lines and st of an implementation of P&MM.	ations evo	ery 6 mon	ths instead o	of annually	ı as an ex	ample
3. P&M Measures - Third Party Damage (detail) that threats due to third party damage be addressed? (Note: A subelow 30% SMYS - See IM.PM.PMMTPDSMYS.P) (IM.PM.PMMTPD.	Does the Ibset of the P) (detail)	preventive ese enhanc	and mitigativ ements are re	e process in equired for p	nclude requ Dipelines of	<i>Jiremen</i> Derating
192.917(e)(1) (192.935(b)(1); 192.935(e))	Sat+	SatX	Concern	Unsat	NA	NC
<i>party damage as required by the process?</i> (IM.PM.PMMTPD.R) (de 192.917(e)(1) (192.935(b)(1); 192.935(e))	etail) Sat+	SatX	Concern	Unsat	NA	N C
Notes: PSE uses qualified operators and locaters and have call program and monitor any transmission line excavation 5. P&M Measures - Third Party Damage (Specia preventive and mitigative requirements for pipelines operating be	e a Public ns. Il Cases	Awarenes) Does the pi	They subs	de requirer	nents fc
192.935(d) (192.935(e): 192 Table F.II.1)	Sat+	SatX	Concern	Unsat	N A	NC
Notes: TIMP 2013, Appendix K, Preventative and Mitigativ Operating Below 30% SMYS (page 222)	ve Measur	es, Cover	ed and None	covered Se	gments	
6. P&M Measures - Third Party Damage (Specia requirements for pipelines operating below 30% SMYS being perfo	I Cases	(detail equired? (1) Are prevent	tive and mit DSMYS.R) (<i>tigative</i> detail)	
192.935(d) (192.935(e); 192 Table E.II.1)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes PSE is part of a one-call system and routinely moni qualifies their personnel and contractor personnel.	tors excav	ation on	or near a co	vered segn	nent. PSE	:

7. P&M Measures - Outside Force Damage (detail) *Does the process adequately address significant threats due to outside force (e.g., earth movement, floods, unstable suspension bridge)?* (IM.PM.PMMOF.P) (detail)

192.935(b)(2)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: TIMP 2013, Appendix K, Preventative and Mitigativ Damage (page 222)	e Measur	es, P&M	Measures to	Address O	utside Fo	rce
8. P&M Measures - Outside Force Damage (deta movement, floods, unstable suspension bridge) being adequately	iil) Are si addressed	<i>gnificant th</i> ? (IM.PM.P	<i>nreats due to o</i> MMOF.R) (det	outside forc ail)	e (e.g., ea	rth
192.935(b)(2)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: Reviewed Bridge patrols (quarterly) for Transmissi what is examined during the bridge patrol. Documentation	ion Pipe u n is adequ	nder brid Iate.	ge over Gree	en River. 4	625.1750	covers
9. P&M Measures - Corrosion (detail) Does the proc significant corrosion threats? (IM.PM.PMMCORR.P) (detail)	cess adequ	ately acco	unt for taking	required ac	tions to ad	ldress
192.917(e)(5)	Sat+	Sat X	Concern	Unsat	NA	NC
10. P&M Measures - Corrosion (detail) Are required required? (IM.PM.PMMCORR.R) (detail) 192.917(e)(5)	d actions b Sat+	eing taken <mark>SatX</mark>	to address signatures of the second sec	gnificant col Unsat	rrosion thr NA	eats as
Notes: When corrosion was found in 2010 first quarter, d removed all casings on the Midway Segment. 11. P&M Measures - Automatic Shut-Off Valves include requirements to decide if automatic shut-off valves or rem	or Rem	ing remov	trol Valve	elerated th s (detail	eir sched) Does the s of adding	ule and
protection to potentially affected high consequence areas? (IM.PM	.PMMASOF	CotV		Uncat	N A	NC
Notes: TIMP 2013, Appendix K, Preventative and Mitigativ (page 223)	e Measur	es, P&M	Measures to	Reduce Co	onsequen	ces
12. P&M Measures - Automatic Shut-Off Valves determination been made to determine if automatic shut-off valve protection to potentially affected high consequence areas? (IM.PM	or Rem es or remote .PMMASOF	ote Con te control v RCV.R) (de	trol Valve valves represe tail)	s (detail nt an efficie) Has an a ent means	idequate of addin
192.935(c)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: Reviewed minutes of 2007 Preventative and Mitiga and RCV's every year, and have found that these valves we transmission lines.	tive Meas ould not a	ures Com dd any si	mittee. The gnificant lev	y review t el of safety	he use of y to their	ASV

Integrity Management - Quality Assurance

92.911(1)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: TIMP 2013 Appendix C: Quality Control Plan inclue	des require	ed criteria	1.			
2. Quality Assurance (detail) Do records indicate the neet the requirements of ASME B31.8S-2004, Section 12 and ar detail)	quality assu the proce	irance proo sses being	cesses for risk performed as	manageme required? (nt applicat IM.QA.QA	<i>tions</i> RM.R)
92.911(I)	Sat+	SatX	Concern	Unsat	NA	NC
Notes: Internal audit in 2012 determined that Integrity N group. The consolidation and rewriting the manual were 3. Personnel Qualification and Training Require	done this y	(detail)	n should be L3) Does the proc	consolidat	ed into or requireme	ents to
ssure personnel involved in the integrity management program IM.QA.IMPERSONNEL.P) (detail)	are qualifie	d for their	assigned resp	onsibilities?		
92.911(I) (192.915; ASME B31.8S-2004, Section 12(b)(4))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	N
92.911(l) (192.915(a); 192.915(b); 192.915(c); ASME B31.8S- 004, Section 12(b)(4))	Sat+	SatX	Concern	Unsat	NA	N
5. Invoking Non-Mandatory Statements in Star	ndards (detail) [Does the proce	ess include i ts invoked l	equiremer by Subpart	nts tha : O (e.
SME B31.85-2004 and NACE RP0502-2002) De addressed by ar				Uncat		N
Notes: ASME B31.8S section 11, (f) should statement is to	Irned into	a shall st	atement in T	IMP 2013,	Section	12,
Periodic Evaluation, NACE 0502 Section 3.4.1.2 should statement is a shall sta selection of complimentary tools for indirect inspection.	tement in	TIMP 201	.3 Appendix	H Section	13.1 for t	he
Periodic Evaluation, NACE 0502 Section 3.4.1.2 should statement is a shall sta selection of complimentary tools for indirect inspection. 5. Management of Change (detail) Are the processe hange of associated procedures and processes adequate? (IM.Q	tement in s for manage A.IMMOC.P	TIMP 201 gement of) (detail)	3 Appendix changes to th	H Section	13.1 for t	he nt of

being performed as required? (IM.QA.IMMOC.R) (detail)						
192.909(a) (192.909(b); 192.911(k))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: Reviewed Management of change form 3773 for 7- manual that have been incorporated.	-16-2013	which list	s various mi	nor change	es to the	ТІМР
8. Performance Measures (detail) Does the process in management program effectiveness? (IM.QA.IMPERFMEAS.P) (det	<i>include req</i> tail)	uirements	for measuring	and report	ting integr	ity
192.945(a) (192.913(b); 192.951; ASME B31.8S-2004 Section 12(b)(5))	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Performance Measures, Threat Specific Performance Measures Performance Measures are submitted to OPS/PHMSA annu 9. Performance Measures (detail) Has the IMP effect	sures, and Jally.	ECDA Pe	rformance M	easures.	Overall	plicable,
PHMSA? (IM.QA.IMPERFMEAS.R) (detail)				•		
192.945(a) (192.913(b): 192.951: ASME B31.8S-2004 Section			_			
192.945(a) (192.913(b); 192.951; ASME B31.8S-2004 Section 12(b)(5)) Notes: PSE reports Overall Performance Measures to PHMS	Sat+ SA everv v	SatX year as re	Concern quired. Revi	Unsat ewed Ann	N A ual Repo	N C
192.945(a) (192.913(b); 192.951; ASME B31.8S-2004 Section 12(b)(5)) Notes: PSE reports Overall Performance Measures to PHMS natural Gas transmission. 10. Record Keeping (detail) Is the process adequate to the pipeline? (IM.QA.RECORDS.P) (detail)	Sat + SA every y	SatX year as rea	Concern quired. Revi	Unsat weed Ann	N A ual Repo	N C rt for
192.945(a) (192.913(b); 192.951; ASME B31.8S-2004 Section 12(b)(5)) Notes: PSE reports Overall Performance Measures to PHMS natural Gas transmission. 10. Record Keeping (detail) <i>Is the process adequate to</i> <i>the pipeline?</i> (IM.QA.RECORDS.P) (detail) 192.947(a) (192.947(b); 192.947(c); 192.947(d); 192.947(e); 192.947(f); 192.947(g); 192.947(h); 192.947(i); 192.911(n); ASME B31.8S-2004 Sections 12.1, 12.2(b)(1))	Sat+ SA every y b assure the Sat+	SatX year as rea at required SatX	Concern quired. Revi records are n Concern	Unsat ewed Ann naintained f Unsat	N A ual Repo for the use N A	N C rt for eful life c N C
 192.945(a) (192.913(b); 192.951; ASME B31.8S-2004 Section 12(b)(5)) Notes: PSE reports Overall Performance Measures to PHMS natural Gas transmission. 10. Record Keeping (detail) Is the process adequate to the pipeline? (IM.QA.RECORDS.P) (detail) 192.947(a) (192.947(b); 192.947(c); 192.947(d); 192.947(e); 192.947(f); 192.947(g); 192.947(h); 192.947(i); 192.911(n); ASME B31.8S-2004 Sections 12.1, 12.2(b)(1)) Notes: TIMP 2013 Section 14: Record Keeping lists the recadequate. 	Sat + SA every y b assure the Sat + cords requ	SatX year as rea at required SatX uired per	Concern quired. Revi records are n Concern 192.947. Re	Unsat ewed Ann naintained f Unsat cord keep	N A ual Repo for the use N A ing appea	N C rt for eful life c N C ars to b
 192.945(a) (192.913(b); 192.951; ASME B31.8S-2004 Section 12(b)(5)) Notes: PSE reports Overall Performance Measures to PHMS natural Gas transmission. 10. Record Keeping (detail) Is the process adequate to the pipeline? (IM.QA.RECORDS.P) (detail) 192.947(a) (192.947(b); 192.947(c); 192.947(d); 192.947(e); 192.947(f); 192.947(g); 192.947(h); 192.947(i); 192.911(n); ASME B31.8S-2004 Sections 12.1, 12.2(b)(1)) Notes: TIMP 2013 Section 14: Record Keeping lists the rec adequate. 11. Record Keeping (detail) Are required records being (IM.QA.RECORDS.R) (detail) 	Sat + SA every y b assure the Sat + cords requ	SatX year as rea at required SatX uired per	Concern quired. Revi records are n Concern 192.947. Re	Unsat ewed Ann maintained f Unsat cord keep e pipeline?	N A ual Repo for the use N A ing appea	N C rt for eful life c N C ars to b

Integrity Management - Risk Analysis

1. Threat Identification (detail) Does the process ind each covered pipeline segment? (IM.RA.THREATID.P) (detail)	clude requir	ements to	identify and e	valuate all j	potential t	hreats to
192.917(a) (192.917(e); 192.913(b)(1); ASME B31.8S-2004, Section 2.2 and Section 5.10)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: Yes TIMP 2004 Table 3-4-1 shows all of the segme list of the threats considered is in TIMP 2013 Section 6.	ents and th	e threat s	cores for ea	ch of the li	sted thre	ats. A
2. Threat Identification (detail) Do records indicate been identified and evaluated? (IM.RA.THREATID.R) (detail)	that all pote	ential threa	ts to each cov	vered pipelir	ne segmen	t have
192.917(a) (192.917(e); 192.913(b)(1); ASME B31.8S-2004, Section 2.2 and Section 5.10)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
risk ranking. All potential threats were identified and eva 3. Data Gathering (detail) Does the process include rec pipeline that could be relevant to covered segments? (IM.RA.RAD	quirements DATA.P) (de	to gather e	4 Appendix 3 existing data a	3-4. and informa	tion on the	e entire
192.917(b) (192.917(e)(1); 192.911(k); ASME B31.8S-2004, Sections 4, 5.7(e), 11(a), 11(d), Appendix A)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
4. Data Gathering (detail) <i>Is existing data and informa segments being adequately gathered?</i> (IM.RA.RADATA.R) (detail 192.917(b) (192.917(e)(1); 192.911(k); ASME B31.8S-2004, Sections 4, 5.7(e), 11(a), 11(d), Appendix A)	tion on the) Sat+	entire pipe <mark>SatX</mark>	line that could	d be relevar Unsat	nt to cover N A	red
Notes: TIMP 2004 Appendix3-4 Baseline Risk Assessmer 5. Data Integration (detail) Does the process include a entire pipeline that could be relevant to covered segments? (IM.)	nt Results requirement RA.RAINTEG	ts to integr	ate existing d detail)	ata and info	ormation o	n the
192.917(b) (192.917(e)(1); 192.911(k); ASME B31.8S-2004, Sections 4, 5.7(e), 11(a), 11(d), Appendix A)	Sat+	SatX	Concern	Unsat	ΝΑ	NC
Notes: TIMP 2013 Appendix D, Section 6.4.						
6. Data Integration (detail) Is existing data and inforr segments being adequately integrated? (IM.RA.RAINTEGRATE.R)	<i>mation on th</i> (detail)	ne entire pi	peline that co	uld be relev	ant to cov	'ered
192.917(b) (192.917(e)(1); 192.911(k); ASME B31.8S-2004, Sections 4, 5.7(e), 11(a), 11(d), Appendix A)	Sat+	<mark>SatX</mark>	Concern	Unsat	ΝΑ	N C
Notes: Example was the integration of a new church in 2 Segment. The map from 2006 to 2007 showed that the H	006 into t ICA had be	he Baselii en exten	ne Assesmen ded to includ	it for 2007 le the new	on Lynny church.	wood

Section 5.4, Section 5.5, Section 5.12)	Sat+	<mark>SatX</mark>	Concern	Unsat	NA	NC
Notes: PSE uses a relative risk assessment model in acco	ordance wi	th ASME/	ANSI B31.8S	, Section !	5.5.	
B. Risk Analysis - Determination of Risk (detai affect the likelihood of a release, and factors that could affect th combined in an appropriate manner to produce a risk value for e	l) Does the e consequer each pipeline	process in nces of pote segment?	clude requirer ential releases (IM.RA.RAFA	<i>ments that</i> , <i>be accour</i> CTORS.P) (factors tha nted for an detail)	t could d
192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7)	Sat+	SatX	Concern	Unsat	NA	NC
9. Risk Analysis - Determination of Risk (detai produce a risk value for each pipeline segment? (IM.RA.RAFACT	l) <i>Is risk ar</i> ORS.R) (det	nalysis data ail)	a combined in	an appropr	iate mann	er to
9. Risk Analysis - Determination of Risk (detai produce a risk value for each pipeline segment? (IM.RA.RAFACT 192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7)	l) Is risk ar DRS.R) (det Sat+	ailysis data ail) SatX	combined in Concern	an appropr Unsat	iate mann N A	er to NC
9. Risk Analysis - Determination of Risk (detai broduce a risk value for each pipeline segment? (IM.RA.RAFACT 192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7) Notes: PSE does yearly inputs to the IRAS database and reassessments for 2005, 2006, 2007, 2008, 2010, 2011,	I) Is risk an DRS.R) (det Sat + has a new 2012.	nalysis data ail) SatX Risk Reas	Concern Sessment ev	an appropr Unsat very year.	iate manne N A Reviewe	er to NC
 9. Risk Analysis - Determination of Risk (details or oduce a risk value for each pipeline segment? (IM.RA.RAFACT) 192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7) Notes: PSE does yearly inputs to the IRAS database and reassessments for 2005, 2006, 2007, 2008, 2010, 2011, 10. Risk Analysis - Validation and Updates (define metails of the section is obtained or conditions change on the pipeli 	I) Is risk an DRS.R) (det Sat+ has a new 2012. tail) Does ne segment:	nalysis data ail) SatX Risk Reas the process? (IM.RA.I	Concern Sessment ev Seprovide for RAMOC.P) (de	an appropr Unsat very year. revisions to tail)	iate manne N A Reviewe the risk a	er to NC d
 9. Risk Analysis - Determination of Risk (detail produce a risk value for each pipeline segment? (IM.RA.RAFACT) 192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7) Notes: PSE does yearly inputs to the IRAS database and reassessments for 2005, 2006, 2007, 2008, 2010, 2011, 10. Risk Analysis - Validation and Updates (de if new information is obtained or conditions change on the pipeli 192.917(c) (ASME B31.8S-2004, Section 5.4, 5.7, 5.11, 5.12) 	I) Is risk ar DRS.R) (det Sat + has a new 2012. tail) Does ne segment: Sat +	alysis data ail) SatX Risk Reas the process s? (IM.RA.I SatX	Concern Sessment ev Seprovide for RAMOC.P) (de Concern	an appropr Unsat very year. revisions to tail) Unsat	iate manne N A Reviewe the risk a N A	er to N C ed ssessme N C
 9. Risk Analysis - Determination of Risk (detail produce a risk value for each pipeline segment? (IM.RA.RAFACT) 192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7) Notes: PSE does yearly inputs to the IRAS database and reassessments for 2005, 2006, 2007, 2008, 2010, 2011, 10. Risk Analysis - Validation and Updates (de if new information is obtained or conditions change on the pipeli 192.917(c) (ASME B31.8S-2004, Section 5.4, 5.7, 5.11, 5.12) Notes: Yes, new information is submitted every year to I 	I) Is risk an DRS.R) (det Sat + has a new 2012. tail) Does ne segment: Sat + Dynamic Ri	Analysis data ail) SatX Risk Reas the process s? (IM.RA.I SatX sk(IRAS)	Concern sessment ev so provide for RAMOC.P) (de Concern and PSE reco	an appropr Unsat very year. revisions to tail) Unsat eives a ner	iate manne N A Reviewe the risk a N A w risk rar	er to N C ed ssessme N C sking.
 9. Risk Analysis - Determination of Risk (details produce a risk value for each pipeline segment? (IM.RA.RAFACT) 192.917(c) (ASME B31.8S-2004, Section 3.1, Section 3.3, Section 5.2, Section 5.3, and Section 5.7) Notes: PSE does yearly inputs to the IRAS database and reassessments for 2005, 2006, 2007, 2008, 2010, 2011, 10. Risk Analysis - Validation and Updates (define winformation is obtained or conditions change on the pipeli 192.917(c) (ASME B31.8S-2004, Section 5.4, 5.7, 5.11, 5.12) Notes: Yes, new information is submitted every year to I 11. Risk Analysis - Validation and Updates (define information is obtained or conditions change on the pipeline segment) 	 Is risk an ORS.R) (det Sat + has a new 2012. tail) Does ne segment: Sat + Dynamic Ri tail) Was ments? (IM. 	the process? (IM.RA.I SatX Risk Reas the process? (IM.RA.I SatX sk(IRAS)	Concern sessment ev AMOC.P) (de Concern and PSE reco	an appropr Unsat very year. revisions to tail) Unsat eives a ner sed as nece	iate manne N A Reviewe the risk a N A w risk rar ssary as n	er to N C ed ssessme N C nking.

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