# **Periodic Evaluation Meeting**





Business Unit:	TET	LP Region:	C	Central Area:		Stanford		Date:	10/7/15	
Segment:				TOMP-	DANV					
Risk Discussion										
External Corrosion				Lii	ne	HCA	Ren	nediation St	atus	
CP Discussion	(Annual	Adequate Test Point	No	10, 1	5, 25		Ins	talled in 2	015	
Survey)		Spacing:					Three	sites rema	in to be	
			_					installed		
		# of Low CP Reads:	0							
		Local CIS	Yes							
		Conducted:	163	VS-01 (2013).	VS-02 (2015),					
		Coaactea.		, , , , ,	lanned 2020					
CP Remediation	(Annual	Needed and	Not							
Survey)		Completed:	Needed	VS-01 (2013),	VS-02 (2015),		Remedia	tion from	2013 and	
				Remainder p	lanned 2020		2015 s	urveys con	npleted	
0			== 6							
Close Interval Survey Resu Discussion	ilts	Miles Surveyed:	55.6	VC 01 (2012)	VC 02 (2015)					
DISCUSSION					VS-02 (2015), planned 2020					
		% Below Criteria	0.03		und beds MP					
		70 Below Circent	0.03	_	MP 374					
		Depth of Cover	Yes	Loca	ition		Red	ison		
		Taken:		Included in CI	S scope of					
				work						
Stray Current		Issues:	DC		ne	HCA	Remediation Status			
				Possible interferance with Columbia			To be investigated			
				Colu	mbia		10	oe investig	ated	
		Mitigation In Place:								
Active Corrosion Discussion	n	# Active Corrosion	2	Loca	ıtion	Observ	vations	Remed	diations	
	···	Indications:	_		VS-04	PAIR ID:				
				20	14	14266	00200	F	RC	
				LN 15	VS-04	PAIR ID:				
					11		58	CS	, RC	
Internal Corrosion		l		Line	a. 1		ue Details		•	
Cleaning Pig Program		IC Plan Followed:	No	25		ner run; waiver was granted by Region. ing frequency reduced to once/year.				
		lssues:	No						Black	
		133463.	110	Line	IC Plan	Liquids	Solids	Sludge	Powder	
Correcion Inhibitor Progra	.m	Used:	No							
Corrosion Inhibitor Program		oseu.	NO	Line	<u>Liquid Sample</u>	<u>le</u> Volume Additional Concerns			cerns	
Coupon Monitoring Discu	ssion	# of Locations	1	10						
Dead End Piping Discussion	on	Identified for	Yes		in IC plan but r	need to be	input into	Region 'De	ead Leg	
Fland Barrand Birmin		Evaluation:	V ·	Piping List'	tion	14/i+l- C	annaas!	DI	Davide:	
Flow Reversal Discussion		Taking Place:	Yes	Star Dan		With Con	i <i>pression</i> Io		Powder one	
					insville		es		one	
					<del>-</del>	•			- · <del>-</del>	

Weather/Outs	side Force										
Unstable Slope		(Slip and/or	# Monitor	ed:	0						
Slides)			180-2000 0 01000 0000	Section Control							
			Remediati	ion Status:	N/A	Line		Re	mediation		
Mining/Long V	Vall Mining/	Blasting	Active in Area:		No	Line		Con	cern Details		
Discussion											
River Crossing	Survey Disc	ussion	# Monitor	ed:	1	Line	Conditio	n Change De	etails	Remediation	
_								ver inspected and ecoated			
			Significant Change:		Select			ccourcu			
Pipe Exposure	Discussion		# Monitor		0	Line	Conditio	n Change De	etails	Remed	diation
manufacture of the second							Previous ex	posures ha	ve been		
							re	mediated			
20 10 12	201 20			t Change:	Select						
Shallow Cover	Discussion		# Monitor	ed:	0	Line	Conditio	n Change De	etails	Remed	diation
			C1 10	. Cl	Coloct						
			Significan	it Change:	Select						
Threat Ider	ntification		Significan	it Change:	Select						
Threat Ider	ntification	1				Tim	e Independen	t	Stal	ole or Resid	dent
		<b>1</b> Line		ne Depend		Tim TPD	e Independen WOF	t IO	Stal CONST	ole or Resid	
Segm	ent	Line	Tir EC	ne Depend IC	ent SCC	TPD	WOF	Ю	CONST	MFG	dent EQ
	ent DANV		Tir EC	ne Depend	ent						
Segm TOMP-E	ent DANV DANV	Line 10	Tir EC Yes	ne Depend IC Yes	ent SCC No	TPD Yes	WOF Yes	IO Yes	CONST Yes	MFG No	
Segm TOMP-[	ent DANV DANV	Line 10 15	Tir EC Yes Yes	ne Depend IC Yes Yes	ent SCC No	TPD Yes Yes	WOF Yes Yes	IO Yes Yes	Yes Yes	MFG No Yes	
Segm TOMP-E TOMP-E TOMP-E	ent DANV DANV DANV	Line 10 15 25	Tir EC Yes Yes	ne Depend IC Yes Yes Yes	ent SCC No No	TPD Yes Yes Yes	WOF Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	MFG No Yes Yes	
Segme TOMP-E TOMP-E TOMP-E	ent DANV DANV DANV DANV	Line 10 15 25 25 (30")	Tir EC Yes Yes Yes	ne Depend IC Yes Yes Yes Yes	ent SCC No No No	TPD Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	MFG No Yes Yes Yes	
Segme TOMP-E TOMP-E TOMP-E TOMP-E	ent DANV DANV DANV DANV	Line 10 15 25 25 (30") 30 (36")	Tir EC Yes Yes Yes Yes	ne Depend IC Yes Yes Yes Yes Yes	ent SCC No No No No No No	TPD Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes	MFG No Yes Yes Yes	
Segme TOMP-[ TOMP-[ TOMP-[ TOMP-[ TOMP-[	ent DANV DANV DANV DANV DANV	Line 10 15 25 25 (30") 30 (36")	Tir EC Yes Yes Yes Yes	ne Depend IC Yes Yes Yes Yes Yes	ent SCC No No No No No No	TPD Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes	MFG No Yes Yes Yes	
Segme TOMP-[ TOMP-[ TOMP-[ TOMP-[ TOMP-[	ent DANV DANV DANV DANV DANV	Line 10 15 25 25 (30") 30 (36")	Tir EC Yes Yes Yes Yes Yes	re Depend IC Yes Yes Yes Yes Yes Yes	ent SCC No No No No No No	TPD Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes	MFG No Yes Yes Yes	
Segme TOMP-[ TOMP-[ TOMP-[ TOMP-[ TOMP-[	ent DANV DANV DANV DANV DANV	Line 10 15 25 25 (30") 30 (36")	Tir EC Yes Yes Yes Yes Yes	ne Depend IC Yes Yes Yes Yes Yes Yes Yes Assess.	ent SCC No No No No No No	TPD Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes	MFG No Yes Yes Yes	EQ
Segment TOMP-E T	ent DANV DANV DANV DANV DANV DANV COANV COANV COANV COvered Segment	Line 10 15 25 25 (30") 30 (36") 15-M  Assess. Type	Tir EC Yes Yes Yes Yes Yes Last Assess.	re Dependicular IC  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Assess.  Interval	SCC No No No No No No CIS Plan Year	TPD Yes Yes Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes Yes Pipe Mods	Yes Yes Yes Yes Yes Yes Approp. Interval	Yes Yes Yes Yes Yes Yes Yes	MFG No Yes Yes Yes Yes Yes	EQ
Segment TOMP-E TOMP-E TOMP-E TOMP-E TOMP-E Line	ent DANV DANV DANV DANV DANV DANV CONTROL COVERED Segment Yes	Line 10 15 25 25 (30") 30 (36") 15-M  Assess. Type	Tir EC Yes Yes Yes Yes Yes Last Assess. Year	re Depend IC Yes Yes Yes Yes Yes Yes Yes Interval	ent SCC No No No No No No CIS Plan Year 2025 VS-2	TPD Yes Yes Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes Yes Completed	Yes Yes Yes Yes Yes Yes Approp. Interval	Yes Yes Yes Yes Yes Yes Yes	MFG No Yes Yes Yes Yes Yes	EQ
Segment TOMP-E T	ent DANV DANV DANV DANV DANV DANV CONTROL COVERED Segment Yes Yes	Line 10 15 25 25 (30") 30 (36") 15-M  Assess. Type	Tir EC Yes Yes Yes Yes Yes Yes Last Assess. Year 2012	ne Depend IC Yes Yes Yes Yes Yes Yes Assess. Interval 6 7	ent SCC No No No No No No CIS Plan Year 2025 VS-2 2023 VS-1	TPD Yes Yes Yes Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes Yes Completed Completed	Yes	Yes Yes Yes Yes Yes Yes Yes	MFG No Yes Yes Yes Yes Yes	EQ
Segment TOMP-E T	ent DANV DANV DANV DANV DANV DANV COANV  Covered Segment Yes Yes No	Line 10 15 25 25 (30") 30 (36") 15-M  Assess. Type ILI ILI ILI	Tir EC Yes Yes Yes Yes Yes Yes Yes 2012 2012	ne Depend IC Yes Yes Yes Yes Yes Yes Yes Assess. Interval 6 7	ent SCC No No No No No No CIS Plan Year 2025 VS-2	TPD Yes Yes Yes Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes Yes Completed Completed Completed	Yes	Yes Yes Yes Yes Yes Yes Yes	MFG No Yes Yes Yes Yes Yes	EQ
Segma TOMP-E TOMP-E TOMP-E TOMP-E TOMP-E Assessmen	ent DANV DANV DANV DANV DANV DANV  TREVIEW  Covered Segment  Yes Yes No Yes	Line 10 15 25 25 (30") 30 (36") 15-M  Assess. Type ILI ILI ILI ILI	Tir EC Yes Yes Yes Yes Yes Yes Last Assess. Year 2012	ne Depend IC Yes Yes Yes Yes Yes Yes Assess. Interval 6 7	ent SCC No No No No No No CIS Plan Year 2025 VS-2 2023 VS-1	TPD Yes Yes Yes Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes Yes Completed Completed Completed Completed	Yes	Yes Yes Yes Yes Yes Yes Yes	MFG No Yes Yes Yes Yes Yes	EQ
Segment TOMP-E T	ent DANV DANV DANV DANV DANV DANV DANV  **Covered Segment**  Yes No Yes No	Line 10 15 25 25 (30") 30 (36") 15-M  Assess. Type ILI ILI ILI ILI Select	Tir EC Yes Yes Yes Yes Yes Yes Yes 2012 2012	ne Depend IC Yes Yes Yes Yes Yes Yes Yes Assess. Interval 6 7	ent SCC No No No No No No CIS Plan Year 2025 VS-2 2023 VS-1	TPD Yes Yes Yes Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes Yes  Yes Completed Completed Completed Completed Select	Yes	Yes Yes Yes Yes Yes Yes Yes	MFG No Yes Yes Yes Yes Yes	EQ
Segmont TOMP-E T	ent DANV DANV DANV DANV DANV DANV  TREVIEW  Covered Segment  Yes Yes No Yes	Line 10 15 25 25 (30") 30 (36") 15-M  Assess. Type ILI ILI ILI ILI	Tir EC Yes Yes Yes Yes Yes Yes Yes 2012 2012	ne Depend IC Yes Yes Yes Yes Yes Yes Yes Assess. Interval 6 7	ent SCC No No No No No No CIS Plan Year 2025 VS-2 2023 VS-1	TPD Yes Yes Yes Yes Yes Yes Yes Yes Yes	WOF Yes Yes Yes Yes Yes Yes Yes Completed Completed Completed Completed	Yes	Yes Yes Yes Yes Yes Yes Yes	MFG No Yes Yes Yes Yes Yes	EQ

# **Periodic Evaluation Meeting**



## **Segment Discussion**

Business Unit:	TE	TLP Region: Cer			ntral Area:	Star	Stanford Date: 11/10/16			
Segment:					TOMP-DANV	Ser Ser				
Risk Discussion										
External Corrosion				-2	Line	Covered Segment	Rem	nediation S	Status	
CP Discussion (Annual Survey)		Adequate Test Point Spacing:		No	10, 15, 25	Yes Select	going b	2015 and 2016 installs (ongoing but achieved 1.5mi inbetween in 2016)		
		# of Low (	CP Reads:	4	10, 15, 25	No	Needs	to be re-s	surveyed	
					PCS exceptions	Select				
		Local CIS		Yes	report 2015-2016	Select				
		Conducted:				Select	lect Complete			
CP Remediation		Needed a	nd	Completed	10,15,25	No	New gro	ound bed	installed	
(Annual Survey)		Complete	d:			Select				
Closed Interval Survey F Discussion	Results	Miles Surveyed:  % Below Criteria		54 (~18 miles on each line)	10, 15, 25	Select	. Grnd bed MP 372 & Grnd be and rectifier @ MP 374, N 370-388 resurveyed		P 374, MP	
				0	Scheduled 2022	Select	Complete			
		Depth of Cover		Yes	Location	Reason				
		Taken:		163	With CIS 100' intervals		neu	3011		
CP History Discussion		Any lines		Yes	Line	Covered Segment	CP Issue Type		ration	
		Questionable CP?			TOMP-DANV MP 408-414 and MP420 10, 15, 25	No Select	Ques. CP	continu Adjusting	uing basis. ( off potientials to MIC)	
Coating Condition Discu SME Data Collection	ission	Li	ine	Coating Condition	Line	Coating Condition	Lir	ne	Coating Condition	
Sivie Butu concedion		15-M 30		Good Fair	Select Select		6		Select Select	
Stray Current	-	Issues:	Туре	Type 2	Line	Covered Segment	Mitigation in Place	Remedia	ation Status	
			Select	Select	10,15,25	No	Select	Area wi	ll re-survey	
		No	Select	Select	30 - 10	Select	Select			
I			12/20/2000	1120.0000000000000000000000000000000000			2007			

Select...

Select...

Select...

Select...

Corrosion Growth Discussion	# Active Corrosion Indications (PAIR):		1>	Location		Observations		Remediations		
				TOMP-DANV and MP 420 1		MIC		Adjusting CP		
	RunCom lo	dentified	Yes	Growth	is listed bu	ıt not 100%	confirme	d (have to	review to	
	Corrosion	Growth			eli	minate any	grind rep	airs)		
Shorted Casing Discussion	Issues:	Yes	Line	Location		Covered Segment	Re	Remediation Status		
			15	MF	392	No	bed) To b		nity to ground determine if eeded.	
Atmospheric Corrosion Discussion	Issues:	Yes	Line	Loca	ation	Select Covered Segment	Re	mediation S	tatus	
Discussion				TOMP	Station	Select	Pipe su	pports rub	bing pipe	
Additional Comments:	The second secon	The state of the s			The second secon	Ss for pipe s e Site ~MP3	The state of the s			
Internal Corrosion										
Cleaning Pig Program	IC Plan Yes		Li	ine			Issue Detai	ls		
	Followed		10, 1	15, 25	1 run on ea	ach line, less	s than 5 gallon, results are on the			
	Issues:	Line	IC Plan	Low Flow	Access	Liquids	Solids	Sludge	Black Powder	
		10	Yes	No	No	No	No	No	No	
	No	15	Yes	No	No	No	No	No	No	
		25	Yes	No	No	No	No	No	No	
Corrosion Inhibitor Program	Used:	Line	Inhibitor Type	Quantity	<u>Liquid Sam</u>	<u>ple</u> Volume		Concerns		
	No									
Coupon Monitoring Discussion		1	Line <u>Lo</u>		Loca	ation_		Concerns		
	Locations		10 Dan		Danv	South None, looks good, results are				
Dead End Piping Discussion	Identified		Yes	1		lenditied in	IC plan. C	ross overs,	headers,	
Flow Reversal Discussion	Evaluation		Vaa		inds at valv	A CANADA PARTICIPANT	anraccion	Plack	Douder	
Flow Reversal Discussion	Taking Place:		Yes		AND STREET, AND AND STREET, AN		npression Black Powder			
						51 XC005XC57C0		Yes None None		
Additional Comments:										

Weather/Outside Force	Allegan and the second second	200		Ur pa			
Unstable Slope Discussion (Slip and/or Slides)	# Monitored:	1	Having to continually remediate.				
•	Remediation Status:	Line	Previously Identified	Status	Remedia	tion Details	
	LN25		Yes	In Developm ent Select	MP414- Having to continually remediate ev 2-4 years.		
Mining/Long Wall Mining/Blasting Discussion	Active in No Area:	Line	Previously Identified	Monitored	Concern/Remediation Details		
willing blasting biscussion	Alea.			Select			
				Select			
River Crossing Survey Discussion	# Monitored:	Line	Previously Identified	Significant Change	Condition Change Details	Proposed Remediation/Updates	
2.504.55.011		10,15,25	Yes	Select	Results have not been posted yet.		
	1			Select			
Exposed Pipe Discussion	# Monitored:	Line	Previously Identified	Significant Change	Condition Change Details	Proposed Remediation/Updates	
				Select			
	0	8		Select			
Additional Comments:	Results have n	ot been pos	sted yet. Ch	eck with Emi	mit White/Warren Willi	ams for results.	

### Threat Identification

			ime Dependent		Time Independent			Stable or Resident		
Segment	Line	EC	IC	SCC	TPD	WOF	10	CONST	MFG	EQ
TOMP-DANV	10		Yes	No	Yes	Yes	Yes	No	No	No
TOMP-DANV	15		Yes	No	Yes	Yes	Yes	No	No	No
TOMP-DANV	25 Sec. 1		Yes	No	Yes	Yes	Yes	No	No	No
TOMP-DANV	25 Sec. 2		Yes	Yes	Yes	Yes	Yes	No	No	No

### **Assessment Review**

Line	Covered Segment	Assess. Type	Last Assess. Year	Next Assess. Interval	CIS Plan Year	re-CIS Plan Year	Pipe Mods	Approp. Interval	Reason for Change
10	Yes	ILI	2012	2017	2022		Select	Yes	
15	Yes	ILI	2011	2018	2022		Select	Yes	
25 Section :	No	ILI	2012	2019	2022		Select	Yes	
25 Section 2	Yes	ILI	2012	2019	2022		Select	Yes	
	Select	Select					Select		

Location							
Report Year 2017							
Business Unit TETLP-Texas Eastern Transmission, LP	Region Central						
<u>Area</u> Stanford	Segment TOMP-DANV						
Periodic Evaluation Area ID 122694 (2017)	Report Date 12/05/2017						
External Corrosion							
CP Discussion (Annual Survey)							
Adequate Test Point Spacing*  OYes  No							
Low CP Readings*  Yes  No							
Local CIS Conducted*  ○Yes  ○No							
Closed Interval Survey Results Discussion							
CIS Performed*  Yes  No							
CP History Discussion							
Any lines that have not had CP or Questionable CP*  OYes  No							
Coating Condition Discussion SME Data Collect	tion						
Add SME Da	Ita Collection						
10	Fair						
15 15-M	Fair Good						
25 30	Fair Fair						
Stray Current							
Stray Current Issues*							

○Yes ○ No									
Corrosion Growth Discussion									
# Active Corrosion Indications (PAIR) 2									
	Add Correcion Gra	wth Information fo	or EACH Indication						
Line		Observations		Remediation Status					
25 25	416.1 404.0	Possible MIC Possible shielding from PE Tape	Location cleaned and recoated	Complete Complete					
25	404.0	Possible silleiding from PE Tape	PE tape removed, repair made and recoated	Complete					
RunCom Identified  Yes No	l Corrosion Growth	*							
	Add RunCom Ider	ntified Corrosion Gr	owth Information						
Line 10	Rel Milepost	Growth Rate Range 15.1 - 20.0	Remediation Approach Accelerate Anomaly Response	Remediation Status					
Shorted Casing Dis	scussion	15.1 - 20.0	Accelerate Anomaly Response	In Progress					
Shorted Casing Iss OYes ONo	sues*								
Atmospheric Corro	sion Discussion								
Atmospheric Corro	sion Issues*								
	<u>nts</u> egion program to add om identified growth :			naly inspections.					
Internal Corrosion									
Cleaning Pig Progr	am								
Cleaning Pig Run Scheduled/Completed*									
Cleaning Pig Issue OYes ONo	<u>s*</u>								
Corrosion Inhibito	r Program								
Corrosion Inhibito OYes No	<u>r Used*</u>								

Coupon Monitoring Discussion							
# Coupon Monitoring Locations 1							
1							
Add Coupon Moni	toring Information if Number o	f Locations & at: 0					
Line	Location	Concerns					
10	South s de of Danville stat on	No concerns. Previous results have shown <1mpy. Awaiting 2017 results.					
Dead End Piping Discussion							
Identified for Evaluation*							
○No							
Enter Details Identified in Internal Corrosion Pla	n						
Tachenica in Internal Corresion Flat							
Flow Reversal Discussion							
Flow Reversal Taking Place*							
<b>⊙</b> Yes							
ONo							
	Add Flow Reversal Taking Place						
	With Compression Yes	Black Powder None					
	Yes	None					
IC Plan Followed*  ⊙Yes ○No							
IC Plan Modification Needed*							
OYes							
No     No     No							
Additional Comments							
Weather/Outside Force							
Unstable Slope Discussion (Slip	Unstable Slope Discussion (Slip and/or Slides)						
# Unstable Slopes Monitored 0							
Additional Comments							
Unstable Slope Remediation Re  ○Yes ○No	equired*						

Mining/Long Wall Mining/Blasting Discussion									
Mining Active in Area*									
OYes .									
⊙ No									
River Crossing Survey Discussion									
# River Crossings Monitored 1									
River Crossing Significant Change*  Oyes  No									
Exposed Pipe Discussion									
# Exposed Pipe Monitored 2									
Exposed Pipe Significant Change*  Oyes  No									
Additional Comments									
Green River crossing Line 10, 15, 25, 30									
Additional Offshore Failures or Concerns									
Additional Offshore Failures or Concerns*									
OYes									
⊙ No									
Assessment Review									
Add Assessment Review Information									
Line Covered Assess. Type Inspection Last Assess. Next CIS Plan re-CIS Plan Pipe Mods Approp. Reason for Plan ID									
Segment         Location         Year         Assess.Year         Year         Interval         Change           10         Yes         ILI         TOMP_10         2012         2021         2018         No Plan         Yes         123283									
15 Yes ILI TOMP_15 2011 2018 2018 No Plan Yes 121100 25 No ILI TOMP_25_SE 2012 2020 2018 No Plan Yes 121240									
C1									
25 Yes ILI TOMP_25_SE 2012 2019 2018 No Plan Yes 120561 C2									
Add Assessment Review Changes/Additions  Line   Covered   Assess. Type Inspection   Last Assess.   Next   CIS Plan   Fe-CIS Plan   Pipe Mods   Approp.   Reason for   Plan ID									
Segment Location Year Assess. Year Year There are the control of t									
Report Info									
Created By         Create Date           USPL\(Sumi Reddy)         9/14/2017 10:05:32 AM									
Updated By GTNA\ (Adam Kutschinski)  Update Date 2/27/2018 1:33:53 PM									

Approver GTNA\

(Doug Barnes)

**Report Name** 

2017-TETLP-Texas Eastern Transmission,

LP-Stanford-TOMP-DANV

Approved By

**GTNA**\

**Approved Date** 

3/2/2018 1:02:57 PM

**GForms Version** 

1.0.0.0

**Look Up Tables Version** 

5.43

Location							
Report Year 2018							
<u>Business Unit</u> TETLP-Texas Eastern Tran	smission, LP	<u>Region</u> Central					
<u>Area</u> Stanford		<u>Segment</u> TOMP-DANV					
Periodic Evaluation Are 123285 (2018)	a ID	Report Date 10/25/2018					
External Corrosion							
CP Discussion (Annual	Survey)						
Adequate Test Point Sp  O Yes  No	acing*						
Low CP Readings*  Yes No  Number of Low CP Read  4	<u>ds</u>						
		D D - 1'					
Line	Covered Segment	P Readings Details/Remediation Progress	Remediation Status				
10	No	In Tompkinsville Stat on. Investigating for broken header or will add aditional CP	In Progress				
Local CIS Conducted*  Yes No No Closed Interval Survey  CIS Performed* Yes No Miles Surveyed (since lameeting) 215  Remediation Needed* Yes No		<u>% Below Criteria</u> .2					
	Add Closed Tute	Survey Demodiation					
Line	Add Closed Interval Covered Segment	Survey Remediation  Details/Remediation Progress	Remediation Status				
	No	New deep ground beds proposed at MP 402					

	and MP 414; scheduled for complet on end of 2018	
15	New deep ground beds proposed at MP 402 and MP 414; scheduled for complet on end of 2018	In Progress
25	New deep ground beds proposed at MP 402 and MP 414; scheduled for complet on end of 2018	In Progress

Depth of Cover Taken*
-----------------------

Yes

ONo

#### Interval (ft)

100

#### **CP History Discussion**

#### Any lines that have not had CP or Questionable CP\*

OYes

No
 No

#### **Coating Condition Discussion SME Data Collection**

Add SME Data Collection					
Line	Coating Condition	Shielding Joint Coating	Joint Coating Condition		
10	Fair	No	Excellent		
15	Fair	No	Excellent		
15-M	Good	No	Excellent		
25	Fair	No	Excellent		
30	Fair	No	Excellent		

#### **Stray Current**

#### Stray Current Issues\*

**O**Yes

No

#### **Corrosion Growth Discussion**

#### # Active Corrosion Indications (PAIR)

Add Corrosion Growth Information for EACH Indication						
Line	Rel Milepost	Observations	Details/Remediation Progress	Remediation Status		
25	0	External	PAIR- 1711004500 VS-04 Wheel Count-32757.36 Anomaly Investigat on Repair type- Type B Sleeve (Ends Welded)			
25	0	External	PAIR- 1711404504 VS-05 Wheel Count-96744.23 Anomaly Investigat on Repair type-Recoat	Complete		

#### RunCom Identified Corrosion Growth\*

OYes

No
 No
 No

#### **RunCom Comment**

Line 15 RunCom identified one feature as having growth >12mpy; it is a grind repair of a gouge.

#### **Shorted Casing Discussion**

Shorted Casing Issues*  OYes  No		
Atmospheric Corrosion Discussi	ion	
Atmospheric Corrosion Issues*  Yes No		
Additional Comments Ongoing Area and Region program Three valve sites and three meters		
Internal Corrosion		
Cleaning Pig Program		
Cleaning Pig Run Scheduled/Co Yes No	ompleted*	
Cleaning Pig Issues* OYes No		
Corrosion Inhibitor Program		
Corrosion Inhibitor Used* OYes No		
Coupon Monitoring Discussion		
# Coupon Monitoring Locations 1		
	toring Information if Number o	Section to a print of Section 1
	Location South s de of Danville stat on	Concerns No concerns. Previous results have shown <1mpy. Awaiting 2018 results.
Dead End Piping Discussion  Identified for Evaluation*  O Yes  No		
Enter Details Line Mile(Begin) Mile Post (End) 25 397.61 25 397.67 25 397.67	) Facility	

10 408.19 10 408.19 10 370.58 10 370.58 10 388.05 10 388.05					
Flow Reversal Discussion					
Flow Reversal Taking Place*  OYes					
No					
Station	Add Flow Reversal Taking Place	Black Powder			
Danville	Yes	None			
Tompkinsville	Yes	None			
IC Plan Followed*					
Additional Comments  Weather/Outside Force					
Unstable Slope Discussion (Slip	p and/or Slides)				
# Unstable Slopes Monitored 0					
Additonal Comments					
Unstable Slope Remediation Re  ○Yes  ○No	equired*				
Mining/Long Wall Mining/Blasting Discussion					
Mining/Blasting Active in Area  Yes No	*				
River Crossing Survey Discussi	ion				
# River Crossings Monitored 1					

River C OYes ONo	rossing	Significa	ant Chan	ige*							
Expose	d Pipe D	Discussio	n								
# <b>Expo</b>	sed Pipe	e Monito	<u>red</u>								
Expose OYes ONo	d Pipe S	Significar	nt Chang	je <u>*</u>							
Green R Line 10 Line 10 Additio	exposed exposed nal Offs	nments sing Line at MP 39 at MP 41 hore Fail	4.75 4.24 <b>lures o</b> r	Concer							
				A:	ssessme	ent Revi	ew				
			SERVICE C			2040 Ph (1000)		-			
Line	Covered	Assess. Type		d Asses Last Assess.		CIS Plan	nformat	ION Pipe Mods	Approp.	Reason for	Plan ID
Lille	Segment	Assess. Type	Location	Year	Assess.Year		Year	ripe rious	Interval	Change	Fiall 1D
10	Yes	ILI	TOMP_10	2017	2021	2018	2028	No Plan	Yes	1000	123283
25	No	ILI	TOMP_25_SE C1		2020	2018	2028	No Plan	Yes		121240
25	Yes	ILI	TOMP_25_SE C2	2012	2019	2018	2028	No Plan	Yes		120561
			Add As	ssessme	ent Revi	ew Chai	nges/Ad	ditions			
Line	Covered	Assess. Type		Last Assess.		CIS Plan	re-CIS Plan	Pipe Mods	Approp.	Reason for	Plan ID
15	Segment Yes	ILI	Location TOMP_15	<b>Year</b> 2011	Assess.Year 2018	Year	Year	No Plan	Interval Yes	Change	121100
25	Yes	DA	SCCHCA 7-04113	2014	2018			No Plan	Yes	Need to create a OPDM Planning form	
		•									-
					Repo	rt Info					
Created GTNA\	Created By Create Date										
Updated By GTNA\ (Adam Kutschinski)  Update Date 10/25/2018 9:28:23 AM											
Approver       Report Name         USPL\       (Bryan MacKenzie)         2018-TETLP-Texas Eastern Transmission, LP-Stanford-TOMP-DANV											
Approv USPL\	ed By	l					<u>ed Date</u> 16 10:00	):00 AM			

GForms Version	Look Up Tables Version	
1.0.0.0	5.715	

Location  Report Year 2019  Business Unit TETLP-Texas Eastern Transmission, LP  Area Segment TOMP-DANV  Periodic Evaluation Area ID 124114 (2019)  External Corrosion  CP Discussion (Annual Survey)  Adequate Test Point Spacing*  OYes No  Low CP Readings*  OYes No  No  Number of Low CP Reads  5  Add Low CP Readings ID Details/Remediation Progress No  No  Number of Low CP Reads  5  Add Low CP Readings ID Details/Remediation Progress No  No  Number of Low CP Reads  5  Add Low CP Readings No  Details/Remediation Status ID Details/Remediation Progress No ID Tompkinsville Stat on. Broken Headed No ID Tompkinsville Stat on. Bro	GForms Periodic Evaluation - Segment - ID: 124116				
Business Unit TETLP-Texas Eastern Transmission, LP  Area Segment Stanford TOMP-DANV  Periodic Evaluation Area ID 124114 (2019)  External Corrosion CP Discussion (Annual Survey)  Adequate Test Point Spacing* Yes No No Number of Low CP Readings* Yes No No Number of Low CP Reads  Tome Sowered Segment Tome		Loc	ation		
TETLP-Texas Eastern Transmission, LP  Area Stanford Stanford TOMP-DANV  Periodic Evaluation Area ID 124114 (2019)  External Corrosion CP Discussion (Annual Survey)  Adequate Test Point Spacing* Yes No  Low CP Readings* Yes No  Number of Low CP Reads  5  Add Low CP Readings  Westing Details (Remediation Progress in Pr					
Stanford  Periodic Evaluation Area ID 124114 (2019)  External Corrosion  CP Discussion (Annual Survey)  Adequate Test Point Spacing*  Yes No  Low CP Readings*  Yes No  No  Number of Low CP Reads  5  Add Low CP Readings  In Templasville Stat on, Remediation Progress In P		nsmission, LP			
External Corrosion  CP Discussion (Annual Survey)  Adequate Test Point Spacing*  Yes  No  No  Low CP Readings*  Yes  No  No  Number of Low CP Reads  The covered Segment of Details/Remediator Progress of Progres					
CP Discussion (Annual Survey)  Adequate Test Point Spacing*  Yes No  Low CP Readings* Yes No  No  Number of Low CP Reads  The Covered Segment Details (Remediation Progress Remediation Status In Progress Was repaired and addat onal CP was added. Need to verify results of the Very Reading Segment Remediation Status In Progress Remediation Progress Remedia		a ID	Meeting Date 11/13/2019		
Add Low CP Readings*  Yes No No Number of Low CP Reads  S  Add Low CP Readings  Line Covered Segment No No Details/Remediation Progress In Tompkinsville Stat on. Broken header No was repaired and addst onal CP was added. Need to verify results.  No	External Corrosion				
No     Number of Low CP Reads     S     No     Number of Low CP Reads     S      Mad Low CP Readings     No	CP Discussion (Annual	Survey)			
Number of Low CP Reads    Sample		acing*			
Add Low CP Readings  Line   Covered Segment   Details/Remediation Progress   Remediation Status   In Tompkinsville Stat on. Broken header was repaired and addat onal CP was added. Need to verify results.  No   MP 420 - New CP has been added, need to   In Progress   Remediation Status   In Progress   In Progre	and the second s				
Line Covered Segment Details/Remediation Progress Remediation Status  In Tompkinsville Stat on. Broken header was repaired and addat onal CP was added. Need to verify results.  In Progress  No MP 420 - New CP has been added, need to In Progress re-test  No MP 387 - possible broken bond In Progress  No MP 420 - New CP has been added, need to In Progress  No MP 420 - New CP has been added, need to In Progress  No MP 420 - New CP has been added, need to In Progress re-test  No MP 420 - New CP has been added, need to In Progress re-test  Local CIS Conducted*  Yes		<u>ds</u>			
In Tompkinsville Stat on. Broken header was repaired and addat onal CP was added.  Need to verify results.  No MP 420 - New CP has been added, need to In Progress re-test  No MP 387 - possible broken bond In Progress  No MP 420 - New CP has been added, need to In Progress  No MP 420 - New CP has been added, need to In Progress  No MP 420 - New CP has been added, need to In Progress re-test  No MP 420 - New CP has been added, need to In Progress re-test  Local CIS Conducted*  Yes					
No MP 420 - New CP has been added, need to In Progress re-test  No MP 387 - possible broken bond In Progress  No MP 420 - New CP has been added, need to In Progress re-test  No MP 420 - New CP has been added, need to In Progress re-test  No MP 420 - New CP has been added, need to In Progress re-test  Local CIS Conducted*  Yes			In Tompkinsville Stat on. Broken header was repaired and addat onal CP was added.		
No MP 420 - New CP has been added, need to In Progress re-test  No MP 420 - New CP has been added, need to In Progress re-test  Local CIS Conducted*  Yes		No	MP 420 - New CP has been added, need to	In Progress	
Pe-test No MP 420 - New CP has been added, need to In Progress re-test  Local CIS Conducted*  Yes					
Local CIS Conducted*  OYes	.56	n	re-test		
Yes	25	INO .		III Progress	
<ul> <li>No</li> <li>Closed Interval Survey Results Discussion</li> </ul>					

Miles Surveyed (since last Periodic Evaluation meeting)
5.5

Miles Surveyed (since last Periodic Evaluation meeting)
1.78

CIS Performed\*

Oyes

Remediation Needed\*

ONo

GForms Periodic Evaluation - Segment - ID: 124116					
⊙Yes					
ONo					
₩ NO					
	Add Closed Interval	Survey Remediation			
Line	Covered Segment	Details/Remediation Progress	Remediation Status		
10	No	One groundbed replaced. Recoat work is planned.	In Progress		
15	No	One groundbed replaced. Recoat work is planned.	In Progress		
25	No	One groundbed replaced. Recoat work is planned.	In Progress		
Depth of Cover Taken*  ○ Yes  ○ No  Interval (ft)  100  CP History Discussion  Any lines that have not  ○ Yes  ○ No					
Coating Condition Discu		ion ta Collection			
Line	Coating Condition	Shielding Joint Coating	Joint Coating Condition		
10	Fair	No	Excellent		
	Fair	No	Excellent		
15-M 25	Good Fair	No No	Excellent Excellent		
	Fair	No	Excellent		
Stray Current  Stray Current Issues*  OYes  No					
Corrosion Growth Discussion					
# Active Corrosion Indications (PAIR) 0					
RunCom Identified Corr  Yes No	osion Growth*				
RunCom Comment TOMP-DANV Line 25 Sec 1 showed no growth > 12mpy. TOMP-DANV Line 25 Sec 2 listed one site with growth of 12.9mpy but this was a grind repair performed in 2013 therefore it is not corrosion growth.					

**Shorted Casing Discussion** 

**Shorted Casing Issues\*** 

Grom	ns Periodic Evalu	iation - Segme	nt - ID: 1241	10		
Yes						
No						
		Add SI	horted Casin	g Information		
ne	Rel Milepost	Covered Segmen		Casing Filled	Details/Remediation	Remediation Status
)	398.06	No	Metall c	No Fill	Progress Need further testing to	In Development
)	424	No	Metall c	No Fill	confirm short Need further testing to	In Development
5	363.8	No	Metall c	No Fill	confirm short  Need further testing to	In Development
5	386.043	No	Metall c	No Fill	confirm short Need further testing to	In Development
	z.		4	2	confirm short	8
tmosnh	eric Corrosion	Discussion				
cinospin	eric corrosion	Discussion				
tmocnh	eric Corrosion	Tecues*				
Yes	eric Corrosion	155ue5 *				
No						
<b>≧INO</b>						
dditiona	l Comments					
uuitione	ii Comments					
nternal (	Corrosion					
leaning	Pig Program					
umar se se estate management in						
	Pig Run Sched	uled/Comple	ted*			
Yes						
No						
	Pig Issues*					
Yes						
No						
2 8	5257 18 MINISTER 1525					
corrosion	n Inhibitor Prog	gram				
	V., 1.11.14	J.				
Mary Vi	Inhibitor Use	<u>d*</u>				
Yes						
No						
Coupon M	1onitoring Disc	ussion				
oupon r	ionitoring Disc	ussion				
# Coupor	Monitoring Lo	cations				
	Add Coup		Information	n if Number of L		
ine 0		Location South s de	of Danville stat on		concerns. Previous results h	ave shown <1mnv.
5		Journ's de	Danvine stat on		aiting 2019 results.	- S onothin Almpy.
Dead End	Piping Discus	sion				
		•				
	d for Evaluation	<u>n</u> ◆				
Yes						
No						

Enter Details Identified in ICP		
Flow Reversal Discussion		
Flow Reversal Taking Place*		
	Add Flow Reversal Taking Plac	e
Station Danville	With Compression	Black Powder
Danville Tompkinsville	Yes Yes	None None
IC Plan Followed*		
IC Plan Modification Needed*		
OYes		
⊙ No		
Additional Comments		
Weather/Outside Force		
Unstable Slope Discussion (Slip	and/or Slides)	
# Unstable Slopes Monitored		
Additional Comments		
3 planned for remediation in 2019		
BGC is reviewing IMU strain data		
Mining/Long Wall Mining/Blast	ting Discussion	
Mining/Blasting Active in Area	*	
○Yes		
<b>⊙</b> No		
River Crossing Survey Discussi	on	
# River Crossings Monitored 1		
<b>Exposed Pipe Discussion</b>		
# Exposed Pipe Monitored		
Exposed Pipe Significant Chang	ıe*	

0	Yes
0	No

#### **Additional Comments**

Green River crossing Line 10 Line 10 exposed at MP 394.75

Line 10 at MP 414.24 was repaired in 2019

#### Additional Offshore Failures or Concerns

#### Additional Offshore Failures or Concerns\*

**O**Yes ● No

#### **Assessment Review**

	Add Assessment Review Information											
Line	Covered Segment	Assess. Type	74 (0) (1) (1) (1) (1) (1)	CONTROL CONTROL OF THE PARTY OF	Next Asses s.Year	SOURCE STATE OF THE STATE OF TH	re-CIS Plan Year	Pipe Mods	Approp. Interval	Reason for Change	Plan ID	Pipe Status
10	Yes	ILI	TOMP_10	2017	2021	2018	2028	No Plan	Yes		123283	Active
25	No	ILI	TOMP_25_SE C1	2012	2020	2018	2028	No Plan	Yes		121240	Active

Line	Covered Segment	Assess. Type	Inspection Location	Assess.	Next Asses s.Year	CIS Plan Year	re-CIS Plan Year	Pipe Mods	Approp. Interval	Reason for Change	Plan ID	Pipe Status
15	Yes	ILI	TOMP_15	<b>Year</b> 2011	2018	3	3	No Plan	Yes	Need to create complet on form	121100	Active
25	Yes	DA	SCCHCA 7-04113	2014	2018			No Plan	Yes	Need to create a OPDM Planning form		Active
25	Yes	ILI	TOMP_25_SE C2	2012	2019	2018	2028	No Plan	Yes	Need to create complet on form	120561	Active

Report Info

Created By **Create Date** 

(Adam Kutschinski) 9/6/2019 9:04:50 AM GTNA\/

Updated By **Update Date** GTNA\ (Adam Kutschinski) 6/18/2020 2:02:37 PM

**Approver** Report Name

2019-TETLP-Texas Eastern Transmission,

LP-Stanford-TOMP-DANV

Approved By Approved Date

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