QUALITY ASSURANCE - GENERAL INFORMATION

Products (SE) Pipe Line Corporation, "PPL", transports products with quality controls subject to all requirements of our current FERC Tariff, and in particular, Item 30 of the current Rules & Regulations Tariff.

Products transported within a cycle are sequenced within similar grades and specifications. PPL requires 10,000 barrel minimum batch sizes to maintain product specifications of any given product. PPL maintains the identity of all batches transported; however, PPL must reserve the right to over or under deliver batches resulting from products requiring extraordinary protection, such as reformulated gasolines, low sulfur diesel fuels and jet fuels. These products are scheduled in such a position to allow handling of tank bottoms, leading and trailing interfaces, and to minimize downgrading to lower grade products.

The specifications of batches received by PPL must conform to standards of current ASTM specifications and applicable governmental authority at the scheduled destination. Product specifications for fungible movements are outlined in Section 3 of this manual under the subheading, *Fungible Product Specifications*. In addition to the above specifications, PPL has handling requirements necessary to provide tolerances in certain critical quality control areas.

REID VAPOR PRESSURE CHART

Based on the maximum vapor pressures listed under ASTM D4814 Table 4 Schedule of U.S. Seasonal and Geographical Volatility Classes at the time and place of delivery.

State	January	February	March	April
Louisiana	13.5	13.5	13.5	11.5
Mississippi	13.5	13.5	13.5	11.5
Alabama	13.5	13.5	13.5	11.5
Georgia	13.5	13.5	13.5	11.5
Tennessee	15.0	13.5	13.5	13.5
South Carolina	13.5	13.5	13.5	13.5
North Carolina	15.0	13.5	13.5	13.5
Virginia	15.0	15.0	13.5	13.5
District of Columbia	15.0	15.0	13.5	13.5
Maryland	15.0	15.0	15.0	13.5

REID VAPOR PRESSURE CHART

(continued)

		VO	C Control Pe	riod	
State	Мау	June	July	August	Sept. 1-15
Louisiana	9.0	9.0	9.0	9.0	9.0
Mississippi	9.0	9.0	9.0	9.0	9.0
Alabama	9.0	9.0	9.0	9.0	9.0
Georgia	9.0	9.0	9.0	9.0	9.0
Tennessee	9.0	9.0	9.0	9.0	9.0
South Carolina	9.0	9.0	9.0	9.0	9.0
North Carolina	9.0	9.0	9.0	9.0	9.0
Virginia	9.0	9.0	9.0	9.0	9.0
District of Columbia	9.0	9.0	9.0	9.0	9.0
Maryland	9.0	9.0	9.0	9.0	9.0

		VOC Control	Period	
State	Sept. 16-30	October	November	December
Louisiana	11.5	11.5	13.5	13.5
Mississippi	11.5	11.5	13.5	13.5
Alabama	11.5	11.5	13.5	13.5
Georgia	11.5	11.5	13.5	13.5
Tennessee	11.5	13.5	13.5	15.0
South Carolina	11.5	13.5	13.5	13.5
North Carolina	11.5	13.5	13.5	15.0
Virginia	11.5	13.5	15.0	15.0
District of Columbia	11.5	13.5	15.0	15.0
Maryland	11.5	13.5	15.0	15.0

OZONE NON-ATTAINMENT AREAS ON THE PPL SYSTEM

	Λ	/laximum RV	/P (after oxy	genate blend	ling)
Location	May	June	July	August	Sept. 1-15
District Of Columbia Entire Area			7.4		
Maryland Baltimore Area Anne Arundel, Baltimore, Carroll, Hartford, & Howard Counties, City of Baltimore Washington, DC Area Calvert, Charles, Frederick, Montgomery & Prince George's Counties			7.4		
Virginia Richmond Area Charles City, Chesterfield, Hanover, & Henrico Counties, Colonial Heights, Hopewell, & Richmond Washington Area Fairfax, Loudon, Prince William & Stafford Counties, Alexandria, Fairfax, Falls Church, Manassas, Manassas Park, Arlington			7.4		

Note: All other locations on the PPL system are classified as Ozone Attainment areas.

Product Transfer Documents

PPL shall use its delivery ticket with product code to satisfy the requirements for product transfer documentation, since PPL's product code reflects all the information required in Sections § 1090.1150.

PPL considers custody transfer tickets from other connecting carriers acceptable to meet product transfer documentation requirements; provided that we have reference documents available to understand all codes on the custody transfer tickets.

Fungible Product Specifications

Fungible product specifications are available for reformulated gasolines in subheading, *Fungible Product Specifications*, in Section III of this manual.

Non-Compliant Reformulated Gasoline

A movement of RFG gasoline that does not meet the product specifications outlined in Section 3, *Product Specifications*, shall be designated by PPL as non-compliant RFG. PPL shall not make this determination until additional testing has been performed on this movement, which may include the use of an independent testing service.

In the event there is a discrepancy between the customer's certificate of analysis test results and PPL's test results, a determination by an independent testing service may be made. If there is insufficient time to consult an independent testing service, PPL's test results shall prevail.

The Quality Control Team shall determine if a movement of RFG is non-compliant. In the case of non-compliant RFG, a Quality Control Team member shall notify the appropriate customer contact that the movement is not in compliance with EPA RFG regulations and as such, is not suitable for motor vehicle use in an area requiring RFG. This notification may initially be by phone, but shall be followed by a written document.

If possible, the customer shall have the option of changing distribution of the batch to a geographic location where the batch meets the applicable standard (e.g., VOC Region 1 to conventional gasoline). Otherwise, upon arrival into the customer's terminal, PPL will request that the customer designate the gasoline as not complying with EPA RFG regulations.

A Quality Control Team member shall issue special sampling and testing instructions for a noncompliant or suspected non-compliant RFG movement to all downstream testing locations, if deemed necessary. In the case of non-compliant RFG gasoline, a Quality Control Team member shall also provide a written or electronic document to all PPL tank farm locations indicating that the movement is not in compliance with EPA RFG regulations and as such, is not suitable for motor vehicle use in an area requiring RFG. The document shall also indicate that PPL has determined through its sampling & testing program that this product exceeds the applicable standard for its intended use. This document shall be maintained at each PPL tank farm during the time that the movement is in that tank farm.

The Quality Control Team shall record and maintain all data pertinent to the non-compliant RFG movement.

Documentation

The Quality Control Team shall sufficiently document all aspects of PPL's RFG Monitoring Program so that an audit of the program can be readily performed.

This documentation, along with customer laboratory reports, shall be maintained by PPL for a period of five years. PPL's batch number for the movement shall serve as identification for the movement.

<u>Revisions</u>

This document cancels and supersedes any previously issued versions of PPL's RFG programs, policies or guidelines on EPA RFG regulations at the time of publication.

PRODUCTS (SE) PIPE LINE CORPORATION

[C] Delete Schedule of RVP movements below

from Collins 1 6 11 16 21 26 31 5 10 15 20 25 2 7 13 18 23 28 2 7 12 17 22 27 2 7 12 17 22 28 2 7 12 17 28 28 28 2 7 12 17 28 28 28 2 7 12 17 28 28 28 2 7 12 17 28 28 28 2 7 12 17 28 28 28 2 7 12 17 28 28 28 28 28 2 7 12 17 28 28 28 28 28 28 28 28 28 28 28 28 28	from Collins 1 6 11 16 11 16 11 16 11 16 11 10 <th10< th=""> 10 10</th10<>																																									
Product Description Cycle Grade Type RVP 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 F, H 1 7.4 4 10 4 135 4 10	from Collins 1 6 11 6 11 6 11 16 21 26 31 5 10 15 20 25 2 7 13 18 23 28 2 7 12 17 22 27 2 7 12 17 22 28 2 7 12 17 22 28 2 7 12 17 22 28 2 7 12 17 22 28 2 7 12 17 22 28 2 7 12 17 22 28 2 7 12 17 22 28 2 7 12 17 22 28 2 7 12 17 22 28 2 7 12 17 22 28 29 30 31 32 33 34 35 16 17 18 19 20 21 22 28 29 30 31 32 33 34 35 16 17																																									
Grade Type RVP 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 F, H 1 7.4 1 1 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 44 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 45 16 17 18 19 20 21 25 26 27 28 29 30 31 32 33 45 42 43 45 45 45 45 45 45 45 45 45 46 4	n Colli	ins		1	6	11	16	6 2	21	26	6 3	31	5	10) 15	5 20	0 28	5 2	2	7	13	18	23	28	2	7	12	17	22	27	2	7	12	17	22	28	2	7	12	2 17	22	27
F, H 1 7.4 I <td colspan="14">Product Description Grade Type RVP 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 F, H 1 7.4 1 1 1 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 F, H 1 7.4 1 1 1 10 1 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 36 36 36 36</td> <td></td>	Product Description Grade Type RVP 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 F, H 1 7.4 1 1 1 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 F, H 1 7.4 1 1 1 10 1 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 36 36 36 36																																									
3 11.5 4 13.5 4 13.5 4 13.5 4 13.5 4 13.5 4 13.5 4 13.5 5 15.0 6 <th< td=""><td></td><td>уре</td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>L I</td><td>5</td><td>6</td><td>ì</td><td>7</td><td>8</td><td>9</td><td>1(</td><td>) 1'</td><td>1 12</td><td>2 13</td><td>3 1</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>2 33</td><td>3 34</td><td>35</td><td>36</td></th<>		уре		1	2	3	4	L I	5	6	ì	7	8	9	1() 1'	1 12	2 13	3 1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	2 33	3 34	35	36
4 13.5 4 13.5 4 4 13.5 4 4 13.5 4 4 13.5 4 4 13.5 4 4 13.5 4 4 13.5 4 5 15.0 4 5 15.0 4 6		,						\perp							\perp				\perp	\square																						
5 15.0 10.0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\bot</td><td>\perp</td><td>\perp</td><td>\perp</td><td>\perp</td><td></td><td></td></t<>																																				\bot	\perp	\perp	\perp	\perp		
W 3 12.5 Image: Constraint of the state of the	5 15.0														\perp																											
4 14.5 3 14.5 3 10.0 1 <th1< td=""><td colspan="15">5 15.0</td><td>\vdash</td></th1<>	5 15.0															\vdash																										
1 2 10.0 1	5 15.0 Image: Second s																\vdash																									
3 12.5 1		-													193					11																						
4 14.5 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td>+</td><td></td><td></td><td>+</td><td></td><td></td><td>\vdash</td><td>+</td><td>_</td><td>_</td><td>_</td><td>-</td><td></td><td></td><td>00110000</td><td></td><td></td><td></td><td></td><td></td><td></td><td>10231</td><td></td><td></td><td>1720</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1818</td><td></td></t<>							_	+			+			\vdash	+	_	_	_	-			00110000							10231			1720									1818	
0 2 10.0 0				0.0000000		E GYVONIO		000 000	0011200	0 000000	100 010	1130103		16 800000	100 0110000		1900 997000	100 50000	113						90093									<u> </u>	<u> </u>	⊢	⊢	+	⊢	—	-	⊢
3 12.5 14.5 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1 1 1 1 1 1</td><td>1080</td><td></td><td></td><td></td><td>2810</td><td></td><td>1028</td><td>1 (23)</td><td>088</td><td></td><td></td><td>11 20</td><td><u> </u></td><td>-+</td><td></td><td><u> </u></td><td>8700353</td><td>8900810</td><td>000000</td><td>0000000</td><td>2000210</td><td>0 89700</td><td>031000</td><td>8700310</td><td>83,000</td><td>003377271</td><td>820031</td><td>83,000</td><td>8 00831907</td><td>AR 800008</td><td>10 101 1007</td><td>12 003127</td><td>500 890008P</td><td>0 83.000</td><td>10 0031007</td></t<>							1 1 1 1 1 1	1080				2810		1028	1 (23)	088			11 20	<u> </u>	-+		<u> </u>	8700353	8900810	000000	0000000	2000210	0 89700	031000	8700310	83,000	003377271	820031	83,000	8 00831907	AR 800008	10 101 1007	12 003127	500 890008P	0 83.000	10 0031007
4 14.5 Note: The shaded areas indicate the cycles in which a particular grade can be transported.				<u> </u>	-	-	-	+	_	-	+		-	+	+	+	+	_	+	-	0.5800	000130	1000	83288	05235	1920	201993	0623	19230	26628	01933	1720		10/20	1923				1000		18108	
Note: The shaded areas indicate the cycles in which a particular grade can be transported.				8770223	8000810	833.020	18 10311031	016 800	00300	0 831000	516 808	SIRVIE	820030	0 83300	10 10310	11 30003	8115 83333	518 518515	801 833	83355	181912			-	-				\vdash	├	<u> </u>	<u> </u>			┢	⊢	⊢	+	+	+	┢	+
		4	14.5		15925		1993	080	1723) 1				0.020		1999		811/8		98 IU																							
New "W" grade schedule				No	ote:	Th	ie s	sha	ade	ed	a	rea	asi	ind	ica	te ti	he o	cycl	es	in	wh	nict	naj	par	ticu	lar	gra	de	can	be	traı	1sp	orte	ed.								
	New	"W"	grade s	sch	edu	ule																																				
Enange to RVP limit; RVP of 7.1 at origin	Char	nge t	to RVP	lim	it; F	٦V	Po	of 7	7.1	1 a	at (ori	igir	۱																												

Schedule of RVP Movements

(continued on next page)

PRODUCTS (SE) PIPE LINE CORPORATION

(continued from previous page)

Delete Schedule of RVP Movements Below

[C]

Schedule of RVP Movements

Lift Dat	е				Ju	uly					Au	gust				S	epte	emb	er			(Oct	obe	r			N	love	mb	er			D)ece	embe	er	
from Co	ollins		2	7	12	17	22	27	2	7	12	17	22	27	1	6	11	16	21	26	1	6	11	17	22	27	1	6	11	16	21	26	1	6	11	16	21	26
Produ	ict Des	scription																		Cy	de																	
Grade	Ту ре	RVP	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
F, H	1	7.4															/																					\square
	3	11.5																																				
	4	13.5																																				
	5	15.0																																				
w	3	12.5																																				
	4	14.5																																				
L	2	10.0																																				
	3	12.5																																				
	4	14.5																																				
U	2	10.0																																				
	3	12.5																																				
	4	14.5						/																														

Note: The shaded areas indicate the cycles in which a particular grade can be transported.

III New "W" grade schedule

PRODUCTS (SE) PIPE LINE CORPORATION (continued from previous page)

[N] Figure 1

																Sch	luha	o of		Μον	ome	ante				/											
																<u>3011</u>	cuut				eme	51115															
ift 1	[im	es	-		lanı	iarv					Fehr	uan	,				Ma		2020				Δn	ril	/				M	av					lu.	ne	
		ollins	1	1 1													22																				
		scrip	-	Ű		10		20	01	Ŭ	10	10	20	20	-							,		/=/		_/	-			17		20	-	,			
		RVP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
		7.4																																			
,	3	12							Х												/																
	4	14							Х												/																
	5	15.0							Х																												
N		12.5							Х																												
	4	14.5							Х																												
L	2	10.0							Х																												
	3	13							Х																												
	4	15							Х								/																				
U	2	10.0							Х																												
	3	13							Х							/																					
	4	15							Х																												
															/																						
ift 1	ſim	es			Ju	ıly					Aug	gust				S	epte	mbe	r				Octo	ober				Ν	love	mbe	r			[Dece	mbei	
		ollins		7	12	17	22	27	2	7	12	17	22	27	1	6	11	16	21	26	1	6	11	17	22	27	1	6	11	16	21	26	1	6	11	16	21
		scrip																																			
			37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
Ξ,H		7.4																																		⊢	
	3	-																																		⊢	
	4	14																																			
																																					
N		12.5																					_														
		14.5																																			
L		10.0																					_													⊢−−-∔	
	3	13 15																																			
U	4																																				
U	2	10.0													v	v																				┌──┼	
	3	13													х	x																					
_	4	10																																			
			Not	<u>о. тр</u>	o ch	ader	d are		ndia	ate t	tho o		inv	vhic	har	arti		r dra	do cr	an h	atra	nen	orter	l and		on a	rouu	nd at	00								
			NOT	e. in	esn	aue	adre	asi		ater	ne c	yctes	5 111 V	VIIIC	n a p	aru	utal	gra	ue ca	an De	e tra	nspo	nec	1 8110	Gre	ena	reu	Juat	25.								
																										d du											

PRODUCTS (SE) PIPE LINE CORPORATION (continued from previous page)

Pro	duct	s (SE	E) Pij	be Li	ne C	Corp	orat	ion																														
																<u>Sch</u>	edul			Μον	eme	ents																
															_				2025	<u>i</u>				/														
	Time					Jary				1	_	ruary		1		1	Ma						Ap		1 1			1	M						Ju			
	n Co		1	6	11	16	21	26	31	5	10	15	20	25	2	7	12	17	22		2	7	12	17	22	27	2	7	12	17	22	28	2	7	12	17	22	27
	Des						1		-	1			-				-			Су															1	<u> </u>		
		RVP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	⁄20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
F, H		7.4							X												/																	
	3	12							X											/																		
	4	14							X											/																		
		15.0							X																													
w		12.5							Х										/																			
		14.5							Х																													
L	2	10.0							X							-	/																					
	3	13							X																													
	4	15							X																													
U	2	10.0							X																													
	3	13							X																													
	4	15							X																													
	Time				Ju							gust					epte						Octo						love							mbei		
-		llins	2	7	12	17	22	27	2	7	12	17	22	27	1	6	11	16	21		1	6	11	17	22	27	1	6	11	16	21	26	1	6	11	16	21	26
	Des						1													Су																		
	<i>.</i>	_	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
F,H		7.4																																				
	3	12																																				
	4	14																																				
_		15.0																																				
w		12.5																																				
		14.5																																				
L		10.0																																				
	3	13																																				
<u> </u>	4	15																																				
U		10.0																																		$ \rightarrow $		
	3	13									<u> </u>			<u> </u>																							_	
L	4	15								L	-		L	L		1																						
				 .								<u> </u>																										
			Note	e: Th	e sh	ade	d are	easi	ndic	ate	tne c	ycle	sin ۱	whic	пар	artio	culai	gra	de ca	an b	e tra	nspo	ortec	anc	d Gre	en a	re u	pdat	tes.									
									D			DI I			- + 6			16 0								-1 -1		-1 - 1 *		•								
0	aes l					mov	e on	е ки	г ре	er gra	ade -	Plea	isec	conta	ct Sc	cned	uler	IT RV	'P Sc	nedu	ile s	nou	ra pe	adj	uste	a du	e to	aeliv	very	ime	s.							
Gra																																						
Gra		Pato	origir	n 7.1																																		
	RVF	9 at c 02/2		17.1																																		