

# TENNESSEE REGULATORY AUTHORITY



502 Deaderick Street, 4<sup>th</sup> Floor  
Nashville, Tennessee 37243

VIA E-MAIL and U.S. MAIL  
April 27, 2016

Melvin Malone  
Butler Snow LLP  
The Pinnacle at Symphony Place  
150 3<sup>rd</sup> Avenue South, Suite 1600  
Nashville, TN 37201

RE: Docket No. 15-00131 – *Petition of Tennessee-American Water Company  
Regarding the Production Costs and Other Pass-Throughs Rider*

Dear Mr. Malone:

To assist the Authority in its evaluation of the above-captioned *Petition* filed on December 30, 2015, it is requested that you provide responses to the attached questions. It is requested that all responses be provided no later than 2:00 p.m. April 29, 2016. In accordance with TRA rules submit either (1) original and thirteen written copies of your response or (1) original and four written copies and an electronic version. Should you have any questions or need clarification regarding any requested item, please contact Michelle Ramsey at (615) 770-6891.

Sincerely,

David Foster, Chief  
Utilities Division

C: Linda Bridwell  
[Linda.Bridwell@amwater.com](mailto:Linda.Bridwell@amwater.com)

Docket File:

TRA THIRD DATA REQUEST  
DOCKET NO. 15-00131  
April 27, 2016

1. Attached to this data request is Staff's Chemical Workpapers, which includes an inventory schedule for each chemical. As shown on Staff's Chemical Workpapers, there are differences between our calculation and the Company's calculation of the following expenses: Fluoride, Chlorine, Sodium Hydroxide, Polymer, Phosphate Orthopoly and Suck Creek. First, the Company appears to have used incorrect beginning balances for some its chemicals, instead of the ending balances from Docket No. 15-00001. Secondly, the Company's additions for several chemicals do not match the Company's invoices provided. Please provide reconciliation for these chemical accounts.
2. Expenses from Polymer Account No. 1201701 are excluded from the worksheet. Please provide sufficient support justifying the Company's Polymer SAP cost.

Docket No.15-00001  
 Chemical Invoices  
 Chattanooga and Suck Creek  
 For the twelve months ended November 30, 2015

Month	TN-Chattanooga										TN-Suck Creek		General ledger			
	Polyaluminum Chloride	Fluoride	Fluoride	Chlorine	Sodium Hydroxide	Sodium Hydroxide			Carbon	Filter Aid			Total	total	Difference	
Dec-14	\$33,538.39	\$6,352.94	\$3.68	\$6,301.22	\$121.54	\$88.26	\$2,294.75	-	\$0.00	\$270.72	\$12,425	\$967.00	657.11	63,021.00	66,446.82	(3,425.82)
Jan-15	\$32,894.97	\$6,307.87	\$4.49	\$4,731.87	\$152.20	\$117.29	\$457.00	-	\$0.00	\$403.20	\$11,818	\$7.82	-	56,894.95	55,423.40	1,471.55
Feb-15	\$27,644.36	\$6,453.29	\$297.43	\$5,718.68	\$0.00	\$0.00	\$1,090.37	-	\$0.00	\$400.32	\$9,073	\$0.00	-	50,677.47	53,410.48	(2,733.01)
Mar-15	\$33,305.30	\$6,190.36	\$4.90	\$6,433.80	\$0.00	\$177.26	\$35.67	-	\$0.00	\$351.36	\$10,329	\$7.02	363.15	57,197.85	56,778.99	418.86
Apr-15	\$38,484.68	\$6,459.47	\$594.89	\$7,129.01	\$1,529.80	\$0.00	\$842.71	-	\$0.00	\$118.08	\$10,566	\$1,047.44	-	66,771.78	68,987.57	(2,215.79)
May-15	\$28,646.56	\$7,056.77	\$247.61	\$7,875.27	\$5,243.19	\$0.00	\$691.34	-	\$0.00	\$0.00	\$13,379	\$259.10	-	63,398.65	65,052.24	(1,653.59)
Jun-15	\$30,610.62	\$871.93	\$308.90	\$8,939.48	\$2,139.97	\$406.97	\$1,261.03	-	\$0.00	\$0.00	\$13,544	\$308.39	339.90	58,731.31	60,376.23	(1,644.92)
Jul-15	\$38,999.69	\$0.00	\$9.40	\$9,464.99	\$1,712.77	\$256.66	\$37.03	-	\$0.00	\$0.00	\$14,142	\$13.93	-	64,636.86	64,598.81	38.05
Aug-15	\$35,666.25	\$0.00	\$551.22	\$9,223.96	\$0.00	\$134.91	\$2,131.92	-	\$7,755.51	\$0.00	\$16,322	\$565.00	314.97	72,665.36	77,526.31	(4,860.95)
Sep-15	\$31,321.56	\$5,682.30	\$277.45	\$8,432.49	\$0.00	\$0.00	\$1,822.21	-	\$9,918.56	\$0.00	\$13,254	\$278.20	-	70,987.26	73,326.43	(2,339.17)
Oct-15	\$37,041.25	\$6,394.08	\$276.64	\$7,469.73	\$0.00	\$268.35	\$1,893.80	-	\$0.00	\$0.00	\$11,459	\$298.40	-	65,101.49	66,939.42	(1,837.93)
Nov-15	\$40,618.12	\$5,684.82	\$96.43	\$6,257.23	\$0.00	\$0.00	\$553.43	-	\$0.00	\$256.32	\$9,989.34	\$96.91	800.72	64,353.34	64,224.83	128.51
Total	\$ 408,771.76	\$ 57,453.82	\$ 2,673.04	\$ 87,977.73	\$ 10,899.46	\$ 1,449.69	\$ 13,111.25	\$ -	\$ 17,674.07	\$ 1,800.00	\$ 146,301.45	\$ 3,849.22	\$ 2,475.85	\$ 754,437.33	\$ 773,091.53	\$ (18,654.20)

Docket No.15-00131

For the twelve months ended November 30, 2015

Chemical Expenses -Polyaluminum Chloride (1200706) -Cedar Chem

Month	Beginning			Addition			Adjustment			Net Usage			Ending		
	Inventory	WAC	Value	Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost	Inventory	WACOG	Inventory
Dec-13	165,843	\$0.3117	\$51,699.00	89,480	\$0.3125	\$27,962.50		\$0.3120	\$0.00	132,208	\$0.3120	\$41,249	123,115	\$0.3120	\$38,412.23
Jan-14	123,115	\$0.3120	\$38,412.23	134,940	\$0.3125	\$42,168.75		\$0.3123	\$0.00	120,348	\$0.3123	\$37,580	137,707	\$0.3123	\$43,000.78
Feb-14	137,707	\$0.3123	\$43,000.78	89,860	\$0.3125	\$28,081.25		\$0.3124	\$0.00	118,709	\$0.3124	\$37,080	108,858	\$0.3124	\$34,002.50
Mar-14	108,858	\$0.3124	\$34,002.50	134,480	\$0.3125	\$42,025.00		\$0.3124	\$0.00	93,223	\$0.3124	\$29,126	150,115	\$0.3124	\$46,901.30
Apr-14	150,115	\$0.3124	\$46,901.30	135,060	\$0.3125	\$42,206.25		\$0.3125	\$0.00	116,250	\$0.3125	\$36,324	168,925	\$0.3125	\$52,783.35
May-14	168,925	\$0.3125	\$52,783.35	61,576	\$0.3125	\$19,242.50	(611)	\$0.3125	(\$190.92)	114,225	\$0.3125	\$35,692	115,665	\$0.3125	\$36,142.45
Jun-14	115,665	\$0.3125	\$36,142.45	135,380	\$0.3125	\$42,306.25	611	\$0.3125	\$190.93	104,179	\$0.3125	\$32,555	147,477	\$0.3125	\$46,084.88
Jul-14	147,477	\$0.3125	\$46,084.88	134,150	\$0.3125	\$41,921.88		\$0.3125	\$0.00	106,515	\$0.3125	\$33,285	175,112	\$0.3125	\$54,721.46
Aug-14	175,112	\$0.3125	\$54,721.46	44,640	\$0.3125	\$13,950.00		\$0.3125	\$0.00	93,357	\$0.3125	\$29,174	126,395	\$0.3125	\$39,497.84
Sep-14	126,395	\$0.3125	\$39,497.84	134,240	\$0.3125	\$41,950.00	(44,840)	\$0.3125	(\$14,012.40)	91,751	\$0.3125	\$28,672	124,044	\$0.3125	\$38,763.46
Oct-14	124,044	\$0.3125	\$38,763.46	89,940	\$0.3125	\$28,106.25	(160)	\$0.3125	(\$50.00)	96,796	\$0.3125	\$30,249	117,028	\$0.3125	\$36,571.09
Nov-14	117,028	\$0.3125	\$36,571.09	44,520	\$0.3125	\$13,912.50	46,880	\$0.3125	\$14,649.95	87,532	\$0.3125	\$27,354	120,896	\$0.3125	\$37,779.88
				1,228,266	\$0.3125	\$383,833.13	1,880	\$0.3125	\$587.57	1,275,093	\$0.3124	\$396,339.82			

Month	Beginning			Addition			Adjustment			Net Usage			Ending		
	Inventory	WAC	Value	Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost	Inventory	WACOG	Inventory
Dec-14	120,896	\$0.3125	\$37,779.88	133,700	\$0.3125	\$41,781.25		\$0.3125	\$0.00	107,323	\$0.3125	\$33,538	147,273	\$0.3125	\$46,022.74
Jan-15	147,273	\$0.3125	\$46,022.74	89,000	\$0.3125	\$27,812.50		\$0.3125	\$0.00	105,264	\$0.3125	\$32,895	131,009	\$0.3125	\$40,940.28
Feb-15	131,009	\$0.3125	\$40,940.28	89,200	\$0.3125	\$27,875.00		\$0.3125	\$0.00	88,462	\$0.3125	\$27,644	131,747	\$0.3125	\$41,170.92
Mar-15	131,747	\$0.3125	\$41,170.92	132,500	\$0.3125	\$41,406.25		\$0.3125	\$0.00	106,577	\$0.3125	\$33,305	157,670	\$0.3125	\$49,271.86
Apr-15	157,670	\$0.3125	\$49,271.86	89,460	\$0.3125	\$27,956.25		\$0.3125	\$0.00	123,151	\$0.3125	\$38,485	123,979	\$0.3125	\$38,743.43
May-15	123,979	\$0.3125	\$38,743.43	87,880	\$0.3125	\$27,462.50		\$0.3125	\$0.00	91,669	\$0.3125	\$28,647	120,190	\$0.3125	\$37,559.37
Jun-15	120,190	\$0.3125	\$37,559.37	134,580	\$0.3125	\$42,056.25		\$0.3125	\$0.00	97,954	\$0.3125	\$30,611	156,816	\$0.3125	\$49,005.00
Jul-15	156,816	\$0.3125	\$49,005.00	90,520	\$0.3125	\$28,287.50		\$0.3125	\$0.00	124,799	\$0.3125	\$39,000	122,537	\$0.3125	\$38,292.81
Aug-15	122,537	\$0.3125	\$38,292.81	134,660	\$0.3125	\$42,081.25		\$0.3125	\$0.00	114,132	\$0.3125	\$35,666	143,065	\$0.3125	\$44,707.81
Sep-15	143,065	\$0.3125	\$44,707.81	135,100	\$0.3125	\$42,218.75		\$0.3125	\$0.00	100,229	\$0.3125	\$31,322	177,936	\$0.3125	\$55,605.00
Oct-15	177,936	\$0.3125	\$55,605.00	89,620	\$0.3125	\$28,006.25		\$0.3125	\$0.00	118,532	\$0.3125	\$37,041	149,024	\$0.3125	\$46,570.00
Nov-15	149,024	\$0.3125	\$46,570.00	135,100	\$0.3125	\$42,218.75		\$0.3125	\$0.00	129,978	\$0.3125	\$40,618	154,146	\$0.3125	\$48,170.62
				1,341,320	\$0.3125	\$419,162.50	-	#DIV/0!	\$0.00	1,308,070	\$0.3125	\$408,771.76			

Docket No.15-00131  
For the twelve months ended November 30, 2015  
Chemical Expenses -Flouride (1200647) -Mosaic

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-13	29,286	\$0.2310	\$6,766.26	-	\$0.0000	\$0.00	45,200	\$0.2310	\$10,443.05	28,138	\$0.2310	\$6,501.03	46,348	\$0.2310	\$10,708.28
Jan-14	46,348	\$0.2310	\$10,708.28	44,680	\$0.2170	\$9,685.56		\$0.2241	\$0.00	33,894	\$0.2241	\$7,597.31	57,134	\$0.2241	\$12,806.53
Feb-14	57,134	\$0.2241	\$12,806.53	46,780	\$0.2170	\$10,151.28		\$0.2209	\$0.00	28,476	\$0.2209	\$6,291.22	75,438	\$0.2209	\$16,666.57
Mar-14	75,438	\$0.2209	\$16,666.57		\$0.0000	\$0.00		\$0.2209	\$0.00	30,153	\$0.2209	\$6,661.72	45,285	\$0.2209	\$10,004.85
Apr-14	45,285	\$0.2209	\$10,004.85	42,600	\$0.2170	\$9,244.20		\$0.2190	\$0.00	28,827	\$0.2190	\$6,313.85	59,058	\$0.2190	\$12,935.20
May-14	59,058	\$0.2190	\$12,935.20	43,580	\$0.2170	\$9,456.86		\$0.2182	\$0.00	32,781	\$0.2182	\$7,151.68	68,857	\$0.2182	\$15,240.38
Jun-14	69,857	\$0.2182	\$15,240.38	43,280	\$0.2170	\$9,391.76		\$0.2177	\$0.00	32,590	\$0.2177	\$7,095.48	80,547	\$0.2177	\$17,536.66
Jul-14	80,547	\$0.2177	\$17,536.66		\$0.0000	\$0.00		\$0.2177	\$0.00	33,734	\$0.2177	\$7,344.55	46,813	\$0.2177	\$10,192.11
Aug-14	46,813	\$0.2177	\$10,192.11	45,060	\$0.2170	\$9,778.02		\$0.2174	\$0.00	33,255	\$0.2174	\$7,228.53	58,618	\$0.2174	\$12,741.60
Sep-14	58,618	\$0.2174	\$12,741.60	44,260	\$0.2170	\$9,604.42		\$0.2172	\$0.00	33,252	\$0.2172	\$7,222.63	69,626	\$0.2172	\$15,123.39
Oct-14	69,626	\$0.2172	\$15,123.39	44,060	\$0.2170	\$9,561.02		\$0.2171	\$0.00	31,636	\$0.2171	\$6,869.08	82,050	\$0.2171	\$17,815.35
Nov-14	82,050	\$0.2171	\$17,815.35		\$0.0000	\$0.00	23	\$0.2171	\$4.99	29,761	\$0.2171	\$6,461.94	52,312	\$0.2171	\$11,358.40
				354,300	\$0.2170	\$76,883.10	45,223	\$0.2310	\$10,448.04	376,497	\$0.2198	\$82,739.01			

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	52,312	\$0.2171	\$11,358.40	45,480	\$0.2170	\$9,869.16		\$0.2171	\$0.00	29,267	\$0.2171	\$6,352.94	68,525	\$0.2171	\$14,674.62
Jan-15	68,525	\$0.2171	\$14,874.62	45,260	\$0.2170	\$9,821.42		\$0.2170	\$0.00	29,063	\$0.2170	\$6,307.87	84,722	\$0.2170	\$18,388.17
Feb-15	84,722	\$0.2170	\$18,388.17	-		\$0.00		\$0.2170	\$0.00	29,733	\$0.2170	\$6,453.29	54,999	\$0.2170	\$11,934.88
Mar-15	54,999	\$0.2170	\$11,934.88	44,420	\$0.2170	\$9,639.14		\$0.2170	\$0.00	28,524	\$0.2170	\$6,190.36	70,885	\$0.2170	\$15,383.66
Apr-15	70,885	\$0.2170	\$15,383.66	-		\$0.00		\$0.2170	\$0.00	29,764	\$0.2170	\$6,459.47	41,121	\$0.2170	\$8,924.19
May-15	41,121	\$0.2170	\$8,924.19	43,380	\$0.2170	\$9,413.46		\$0.2170	\$0.00	32,518	\$0.2170	\$7,056.77	51,983	\$0.2170	\$11,280.89
Jun-15	51,983	\$0.2170	\$11,280.89	46,140	\$0.2170	\$10,012.38		\$0.2170	\$0.00	4,018	\$0.2170	\$871.93	94,105	\$0.2170	\$20,421.34
Jul-15	94,105	\$0.2170	\$20,421.34	-		\$0.00		\$0.2170	\$0.00	-	\$0.2170	\$0.00	94,105	\$0.2170	\$20,421.34
Aug-15	94,105	\$0.2170	\$20,421.34	-		\$0.00		\$0.2170	\$0.00	-	\$0.2170	\$0.00	94,105	\$0.2170	\$20,421.34
Sep-15	94,105	\$0.2170	\$20,421.34	-		\$0.00		\$0.2170	\$0.00	26,185	\$0.2170	\$5,682.30	67,920	\$0.2170	\$14,739.04
Oct-15	67,920	\$0.2170	\$14,739.04	-		\$0.00		\$0.2170	\$0.00	29,465	\$0.2170	\$6,394.08	38,455	\$0.2170	\$8,344.96
Nov-15	38,455	\$0.2170	\$8,344.96	45,800	\$0.2170	\$9,938.60		\$0.2170	\$0.00	26,197	\$0.2170	\$5,684.82	58,058	\$0.2170	\$12,598.74
				270,480	\$0.2170	\$58,694.16	-	#DIV/0!	\$0.00	264,734	\$0.2170	\$57,453.82			

Docket No.15-00131  
 For the twelve months ended November 30, 2015  
 Chemical Expenses -Fluoride (1200648) -ADC

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	7,111	\$0.4085	\$2,904.84	2,080	\$0.4100	\$850.10		\$0.4085	\$0.00	9	\$0.4085	\$3.68	9,182	\$0.4085	\$3,751.27
Jan-15	9,182	\$0.4085	\$3,751.27	728	\$0.4100	\$297.53		\$0.4086	\$0.00	11	\$0.4086	\$4.49	9,899	\$0.4086	\$4,044.30
Feb-15	9,899	\$0.4086	\$4,044.30	-	\$0.4100			\$0.4086	\$0.00	728	\$0.4086		9,171	\$0.4086	\$3,746.87
Mar-15	9,171	\$0.4086	\$3,746.87	1,456	\$0.4100	\$595.07		\$0.4086	\$0.00	12	\$0.4086	\$4.90	10,615	\$0.4086	\$4,337.04
Apr-15	10,615	\$0.4086	\$4,337.04	-	\$0.4100			\$0.4086	\$0.00	1,456	\$0.4086		9,159	\$0.4086	\$3,742.15
May-15	9,159	\$0.4086	\$3,742.15	1,352	\$0.4100	\$552.56		\$0.4086	\$0.00	606	\$0.4086		9,905	\$0.4086	\$4,047.11
Jun-15	9,905	\$0.4086	\$4,047.11	832	\$0.4100	\$340.04		\$0.4086	\$0.00	756	\$0.4086		9,981	\$0.4086	\$4,078.24
Jul-15	9,981	\$0.4086	\$4,078.24	416	\$0.4100	\$170.02		\$0.4086	\$0.00	23	\$0.4086	\$9.40	10,374	\$0.4086	\$4,238.87
Aug-15	10,374	\$0.4086	\$4,238.87	676	\$0.4100	\$276.28		\$0.4086	\$0.00	1,349	\$0.4086		9,701	\$0.4086	\$3,963.93
Sep-15	9,701	\$0.4086	\$3,963.93	1,300	\$0.4100	\$531.31		\$0.4086	\$0.00	679	\$0.4086		10,322	\$0.4086	\$4,217.79
Oct-15	10,322	\$0.4086	\$4,217.79		\$0.4100			\$0.4086	\$0.00	677	\$0.4086		9,645	\$0.4086	\$3,941.15
Nov-15	9,645	\$0.4086	\$3,941.15		\$0.4100			\$0.4086	\$0.00	236	\$0.4086		9,409	\$0.4086	\$3,844.72
				8,840	\$0.4087	\$3,612.91	-	#DIV/0!	\$0.00	6,542	\$0.4086	\$2,673.04			

Docket No.15-00131

For the twelve months ended November 30, 2015

Chemical Expenses -Chlorine (1200597) -Brenntag

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-13	11,171	\$0.2000	\$2,234.20	32,000	\$0.2000	\$6,400.00	8,000	\$0.2000	\$1,600.00	34,189	\$0.2000	\$6,838	16,982	\$0.2000	\$3,396.40
Jan-14	16,982	\$0.2000	\$3,396.40	46,000	\$0.1550	\$7,130.00		\$0.1671	\$0.00	43,652	\$0.1671	\$7,296	19,330	\$0.1671	\$3,230.69
Feb-14	19,330	\$0.1671	\$3,230.69	40,000	\$0.1550	\$6,200.00		\$0.1590	\$0.00	37,563	\$0.1590	\$5,971	21,767	\$0.1590	\$3,459.93
Mar-14	21,767	\$0.1590	\$3,459.93	34,000	\$0.1550	\$5,270.00		\$0.1565	\$0.00	39,014	\$0.1565	\$6,107	16,753	\$0.1565	\$2,622.56
Apr-14	16,753	\$0.1565	\$2,622.56	40,000	\$0.1550			\$0.1555	\$0.00	42,502	\$0.1555		14,251	\$0.1555	\$2,215.40
May-14	14,251	\$0.1555	\$2,215.40	50,000	\$0.1550			\$0.1551	\$0.00	46,095	\$0.1551		18,156	\$0.1551	\$2,816.01
Jun-14	18,156	\$0.1551	\$2,816.01	44,000	\$0.1550	\$6,820.00		\$0.1550	\$0.00	45,580	\$0.1550		16,576	\$0.1550	\$2,569.77
Jul-14	16,576	\$0.1550	\$2,569.77		\$0.1550	\$8,680.00		\$0.1550	\$0.00	49,629	\$0.1550		22,947	\$0.1550	\$3,556.94
Aug-14	22,947	\$0.1550	\$3,556.94	48,000	\$0.1550	\$7,440.00		\$0.1550	\$0.00	53,990	\$0.1550	\$8,369	16,957	\$0.1550	\$2,628.37
Sep-14	16,957	\$0.1550	\$2,628.37		\$0.1550	\$6,820.00		\$0.1550	\$0.00	48,113	\$0.1550	\$7,458	12,844	\$0.1550	\$1,990.83
Oct-14	12,844	\$0.1550	\$1,990.83	52,000	\$0.1550	\$8,060.00	(10,360)	\$0.1550	(\$1,605.80)	42,092	\$0.1550	\$6,524	12,392	\$0.1550	\$1,920.76
Nov-14	12,392	\$0.1550	\$1,920.76	32,000	\$0.1550	\$4,960.00	4,210	\$0.1550	\$652.55	35,641	\$0.1550	\$5,524	12,961	\$0.1550	\$2,008.96
				518,000	\$0.1578	\$81,730.00	1,850	\$0.3496	\$646.75	518,060	\$0.1594	\$82,601.99			

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	12,961	\$0.1550	\$2,008.96	38,000	\$0.1550	\$5,890.00		\$0.1550	\$0.00	40,653	\$0.1550	\$6,301	10,308	\$0.1550	\$1,597.74
Jan-15	10,308	\$0.1550	\$1,597.74	32,000	\$0.1775	\$5,680.00		\$0.1720	\$0.00	27,508	\$0.1720		14,800	\$0.1720	\$2,545.87
Feb-15	14,800	\$0.1720	\$2,545.87	30,000	\$0.1775	\$5,325.00		\$0.1757	\$0.00	32,550	\$0.1757		12,250	\$0.1757	\$2,152.19
Mar-15	12,250	\$0.1757	\$2,152.19	34,000	\$0.1775	\$6,035.00		\$0.1770	\$0.00	36,345	\$0.1770		9,905	\$0.1770	\$1,753.39
Apr-15	9,905	\$0.1770	\$1,753.39	48,000	\$0.1775	\$8,520.00		\$0.1774	\$0.00	40,182	\$0.1774		17,723	\$0.1774	\$3,144.38
May-15	17,723	\$0.1774	\$3,144.38	40,000	\$0.1775	\$7,100.00		\$0.1775	\$0.00	44,374	\$0.1775	\$7,879	13,349	\$0.1775	\$2,369.11
Jun-15	13,349	\$0.1775	\$2,369.11	42,000	\$0.1775	\$7,455.00		\$0.1775	\$0.00	50,365	\$0.1775	\$8,939	4,984	\$0.1775	\$884.63
Jul-15	4,984	\$0.1775	\$884.63	64,000	\$0.1775	\$11,360.00		\$0.1775	\$0.00	53,324	\$0.1775	\$9,465	15,660	\$0.1775	\$2,779.64
Aug-15	15,660	\$0.1775	\$2,779.64	48,000	\$0.1775	\$8,520.00		\$0.1775	\$0.00	51,966	\$0.1775	\$9,224	11,694	\$0.1775	\$2,075.68
Sep-15	11,694	\$0.1775	\$2,075.68	46,000	\$0.1775	\$8,165.00		\$0.1775	\$0.00	47,507	\$0.1775	\$8,432	10,187	\$0.1775	\$1,808.19
Oct-15	10,187	\$0.1775	\$1,808.19	48,000	\$0.1775	\$8,520.00		\$0.1775	\$0.00	42,083	\$0.1775	\$7,470	16,104	\$0.1775	\$2,858.46
Nov-15	16,104	\$0.1775	\$2,858.46	32,000	\$0.1775	\$5,680.00		\$0.1775	\$0.00	35,252	\$0.1775	\$6,257	12,852	\$0.1775	\$2,281.23
				502,000	\$0.1758	\$88,250.00		#DIV/0!	\$0.00	502,109	\$0.1752	\$87,977.73			

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For the twelve months ended November 30, 2015

Chemical Expenses -Sodium Hydroxide(Caustic) (1200928) -Brenntag

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-13	92,450	\$0.1300	\$12,015.60	-	\$0.0000	\$0.00				4,821	\$0.1300	\$627	87,629	\$0.1300	\$11,389.02
Jan-14	87,629	\$0.1300	\$11,389.02	-	\$0.0000	\$0.00				5,190	\$0.1300	\$675	82,439	\$0.1300	\$10,714.48
Feb-14	82,439	\$0.1300	\$10,714.48	-	\$0.0000	\$0.00				10,166	\$0.1300	\$1,321	72,273	\$0.1300	\$9,393.22
Mar-14	72,273	\$0.1300	\$9,393.22	-	\$0.0000	\$0.00				607	\$0.1300	\$79	71,666	\$0.1300	\$9,314.33
Apr-14	71,666	\$0.1300	\$9,314.33	48,360	\$0.1250	\$5,795.00				29,270	\$0.1280	\$3,747	88,756	\$0.1280	\$11,362.27
May-14	88,756	\$0.1280	\$11,362.27		\$0.1250	\$5,800.00				43,017	\$0.1270	\$5,462	92,139	\$0.1270	\$11,699.92
Jun-14	92,139	\$0.1270	\$11,699.92		\$0.1250	\$5,615.00				70,289	\$0.1263	\$8,880	66,770	\$0.1263	\$8,435.16
Jul-14	66,770	\$0.1263	\$8,435.16	90,880	\$0.1250	\$11,360.00				64,273	\$0.1256	\$8,070	93,377	\$0.1256	\$11,724.60
Aug-14	93,377	\$0.1256	\$11,724.60	45,040	\$0.1250	\$5,630.00				67,458	\$0.1254	\$8,458	70,959	\$0.1254	\$8,896.88
Sep-14	70,959	\$0.1254	\$8,896.88	90,140	\$0.1250	\$11,267.50				53,001	\$0.1252	\$6,634	108,098	\$0.1252	\$13,530.37
Oct-14	108,098	\$0.1252	\$13,530.37	-	\$0.0000	\$0.00				9,041	\$0.1252	\$1,132	99,057	\$0.1252	\$12,398.73
Nov-14	99,057	\$0.1252	\$12,398.73	-	\$0.0000	\$0.00	(158)	\$0.1252	(\$19.78)	10,418	\$0.1252	\$1,304	88,481	\$0.1252	\$11,074.96
				363,740	\$0.1250	\$45,467.50	(158)	\$0.1252	(\$19.78)	367,551	\$0.1262	\$46,388.36			

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	88,481	\$0.1252	\$11,074.96		\$0.0000	\$0.00				971	\$0.1252	\$121.54	87,510	\$0.1252	\$10,953.42
Jan-15	87,510	\$0.1252	\$10,953.42		\$0.0000	\$0.00				1,216	\$0.1252	\$152.20	86,294	\$0.1252	\$10,801.21
Feb-15	86,294	\$0.1252	\$10,801.21		\$0.0000	\$0.00				-	\$0.1252	\$0.00	86,294	\$0.1252	\$10,801.21
Mar-15	86,294	\$0.1252	\$10,801.21		\$0.0000	\$0.00				-	\$0.1252	\$0.00	86,294	\$0.1252	\$10,801.21
Apr-15	86,294	\$0.1252	\$10,801.21		\$0.1250	\$0.00				12,222	\$0.1252	\$1,529.80	74,072	\$0.1252	\$9,271.42
May-15	74,072	\$0.1252	\$9,271.42	45,540	\$0.1225	\$5,578.65				42,232	\$0.1242	\$5,243.19	77,380	\$0.1242	\$9,606.88
Jun-15	77,380	\$0.1242	\$9,606.88	45,460	\$0.1225	\$5,568.85				17,322	\$0.1235	\$2,139.97	105,518	\$0.1235	\$13,035.76
Jul-15	105,518	\$0.1235	\$13,035.76		\$0.1225	\$0.00				13,864	\$0.1235	\$1,712.77	91,654	\$0.1235	\$11,322.99
Aug-15	91,654	\$0.1235	\$11,322.99		\$0.1250	\$0.00				-	\$0.1235	\$0.00	91,654	\$0.1235	\$11,322.99
Sep-15	91,654	\$0.1235	\$11,322.99		\$0.1250	\$0.00				-	\$0.1235	\$0.00	91,654	\$0.1235	\$11,322.99
Oct-15	91,654	\$0.1235	\$11,322.99		\$0.0000	\$0.00				-	\$0.1235	\$0.00	91,654	\$0.1235	\$11,322.99
Nov-15	91,654	\$0.1235	\$11,322.99		\$0.0000	\$0.00				-	\$0.1235	\$0.00	91,654	\$0.1235	\$11,322.99
				91,000	\$0.1225	\$11,147.50	-	#DIV/0!	\$0.00	87,827	\$0.1241	\$10,899.46			



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For the twelve months ended November 30, 2015

Chemical Expenses -Sodium Hydroxide(1201423)-ADC

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WAC	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	56,530	\$0.2740	\$15,491.01	8,976	\$0.5500	\$3,836.80		\$0.3043	\$0.00	290	\$0.3043	\$88.26	63,216	\$0.3043	\$19,239.55
Jan-15	63,218	\$0.3043	\$19,239.55	5,232	\$0.5500	\$2,877.60		\$0.3231	\$0.00	383	\$0.3231	\$117.29	68,085	\$0.3231	\$21,999.85
Feb-15	68,085	\$0.3231	\$21,999.85	2,834	\$0.5500	\$1,558.70		\$0.3322	\$0.00	-	\$0.3322	\$0.00	70,919	\$0.3322	\$23,558.55
Mar-15	70,919	\$0.3322	\$23,558.55	3,652	\$0.5500	\$2,008.60		\$0.3429	\$0.00	517	\$0.3429	\$177.26	74,054	\$0.3429	\$25,389.90
Apr-15	74,054	\$0.3429	\$25,389.90	3,216	\$0.5500	\$1,768.80		\$0.3515	\$0.00	-	\$0.3515	\$0.00	77,270	\$0.3515	\$27,158.70
May-15	77,270	\$0.3515	\$27,158.70	2,180	\$0.5500	\$1,199.00		\$0.3569	\$0.00	-	\$0.3569	\$0.00	79,450	\$0.3569	\$28,357.70
Jun-15	79,450	\$0.3569	\$28,357.70	4,360	\$0.5500	\$2,398.00		\$0.3670	\$0.00	1,109	\$0.3670	\$406.97	82,701	\$0.3670	\$30,348.73
Jul-15	82,701	\$0.3670	\$30,348.73	6,759	\$0.5500	\$3,717.45		\$0.3808	\$0.00	674	\$0.3808	\$256.66	88,786	\$0.3808	\$33,809.52
Aug-15	88,786	\$0.3808	\$33,809.52	3,761	\$0.5500	\$2,068.55		\$0.3877	\$0.00	348	\$0.3877	\$134.91	92,199	\$0.3877	\$35,743.16
Sep-15	92,199	\$0.3877	\$35,743.16	3,489	\$0.5500	\$1,918.95		\$0.3936	\$0.00	-	\$0.3936	\$0.00	95,888	\$0.3936	\$37,662.11
Oct-15	95,888	\$0.3936	\$37,662.11	4,033	\$0.5500	\$2,218.15		\$0.3999	\$0.00	671	\$0.3999	\$268.35	99,050	\$0.3999	\$39,611.91
Nov-15	99,050	\$0.3999	\$39,611.91	-	\$0.5500	\$0.00		\$0.3999	\$0.00	-	\$0.3999	\$0.00	99,050	\$0.3999	\$39,611.91
				46,482	\$0.5500	\$25,570.80	-		\$0.00	3,972	\$0.3650	\$1,449.89			

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For the twelve months ended November 30, 2015

Chemical Expenses -Sodium Hypochlorite(1200942) -ADC

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	42,778	\$0.2550	\$10,908.39	8,300	\$0.2100	\$1,417.50		\$0.2511	\$0.00	9,137	\$0.2511	\$2,294.75	39,941	\$0.2511	\$10,031.14
Jan-15	39,941	\$0.2511	\$10,031.14	5,350	\$0.2100	\$1,096.75		\$0.2457	\$0.00	1,860	\$0.2457	\$457.00	43,431	\$0.2457	\$10,670.89
Feb-15	43,431	\$0.2457	\$10,670.89	3,950	\$0.2100	\$809.75		\$0.2423	\$0.00	4,500	\$0.2423	\$1,090.37	42,881	\$0.2423	\$10,390.27
Mar-15	42,881	\$0.2423	\$10,390.27	5,900	\$0.2100	\$1,209.50		\$0.2378	\$0.00	150	\$0.2378	\$35.67	48,631	\$0.2378	\$11,564.10
Apr-15	48,631	\$0.2378	\$11,564.10	6,200	\$0.2100	\$1,271.00		\$0.2341	\$0.00	3,600	\$0.2341	\$842.71	51,231	\$0.2341	\$11,992.40
May-15	51,231	\$0.2341	\$11,992.40	5,600	\$0.2100	\$1,148.00		\$0.2312	\$0.00	2,990	\$0.2312	\$691.34	53,841	\$0.2312	\$12,449.05
Jun-15	53,841	\$0.2312	\$12,449.05	6,900	\$0.2100	\$1,414.50		\$0.2282	\$0.00	5,525	\$0.2282	\$1,261.03	55,216	\$0.2282	\$12,602.53
Jul-15	55,216	\$0.2282	\$12,602.53	10,950	\$0.2100	\$2,244.75		\$0.2244	\$0.00	165	\$0.2244	\$37.03	66,001	\$0.2244	\$14,810.25
Aug-15	66,001	\$0.2244	\$14,810.25	6,600	\$0.2100	\$1,353.00		\$0.2226	\$0.00	9,576	\$0.2226	\$2,131.92	63,025	\$0.2226	\$14,031.33
Sep-15	63,025	\$0.2226	\$14,031.33	8,300	\$0.2100	\$1,701.50		\$0.2206	\$0.00	8,261	\$0.2206	\$1,822.21	63,064	\$0.2206	\$13,910.63
Oct-15	63,064	\$0.2206	\$13,910.63	7,950	\$0.2100	\$1,629.75		\$0.2188	\$0.00	8,654	\$0.2188	\$1,893.80	62,360	\$0.2188	\$13,646.57
Nov-15	62,360	\$0.2188	\$13,646.57		\$0.2100			\$0.2188	\$0.00	2,529	\$0.2188	\$553.43	59,831	\$0.2188	\$13,093.14
				74,000	\$0.2067	\$15,296.00	-	#DIV/0!	\$0.00	56,947	\$0.2302	\$13,111.25			

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For the twelve months ended November 30, 2015  
Chemical Expenses -Carbon (1200586) -Cabot

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WAC	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-13	30,022	\$0.5738	\$17,227.71	-	\$0.0000	\$0.00				-	\$0.5738	\$0.00	30,022	\$0.5738	\$17,227.71
Jan-14	30,022	\$0.5738	\$17,227.71	-	\$0.0000	\$0.00				-	\$0.5738	\$0.00	30,022	\$0.5738	\$17,227.71
Feb-14	30,022	\$0.5738	\$17,227.71	-	\$0.0000	\$0.00				-	\$0.5738	\$0.00	30,022	\$0.5738	\$17,227.71
Mar-14	30,022	\$0.5738	\$17,227.71	-	\$0.0000	\$0.00				-	\$0.5738	\$0.00	30,022	\$0.5738	\$17,227.71
Apr-14	30,022	\$0.5738	\$17,227.71	-	\$0.0000	\$0.00				-	\$0.5738	\$0.00	30,022	\$0.5738	\$17,227.71
May-14	30,022	\$0.5738	\$17,227.71	-	\$0.0000	\$0.00				-	\$0.5738	\$0.00	30,022	\$0.5738	\$17,227.71
Jun-14	30,022	\$0.5738	\$17,227.71	-	\$0.0000	\$0.00				-	\$0.5738	\$0.00	30,022	\$0.5738	\$17,227.71
Jul-14	30,022	\$0.5738	\$17,227.71	-	\$0.0000	\$0.00				-	\$0.5738	\$0.00	30,022	\$0.5738	\$17,227.71
Aug-14	30,022	\$0.5738	\$17,227.71	40,700	\$0.8700	\$35,409.00		\$0.7443	\$0.00	37,304	\$0.7443	\$27,764.49	33,418	\$0.7443	\$24,872.23
Sep-14	33,418	\$0.7443	\$24,872.23	36,080	\$0.8700	\$31,389.60		\$0.8095	\$0.00	49,200	\$0.8095	\$39,829.66	20,298	\$0.8095	\$16,432.16
Oct-14	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
Nov-14	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
				76,780	\$0.8700	\$66,798.60	-		\$0.00	86,504	\$0.7814	\$67,594.15			

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WAC	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
Jan-15	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
Feb-15	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
Mar-15	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
Apr-15	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
May-15	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
Jun-15	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
Jul-15	20,298	\$0.8095	\$16,432.16	-	\$0.0000	\$0.00		\$0.8095	\$0.00	-	\$0.8095	\$0.00	20,298	\$0.8095	\$16,432.16
Aug-15	20,298	\$0.8095	\$16,432.16	40,700	\$0.6300	\$25,641.00		\$0.6897	\$0.00	11,244	\$0.6897	\$7,755.51	49,754	\$0.6897	\$34,317.65
Sep-15	49,754	\$0.6897	\$34,317.65	-	\$0.6300	\$0.00		\$0.6897	\$0.00	14,380	\$0.6897	\$9,918.56	35,374	\$0.6897	\$24,399.10
Oct-15	35,374	\$0.6897	\$24,399.10	-	\$0.0000	\$0.00		\$0.6897	\$0.00	-	\$0.6897	\$0.00	35,374	\$0.6897	\$24,399.10
Nov-15	35,374	\$0.6897	\$24,399.10	-	\$0.0000	\$0.00		\$0.6897	\$0.00	-	\$0.6897	\$0.00	35,374	\$0.6897	\$24,399.10
				40,700	\$0.6300	\$25,641.00	-		\$0.00	25,624	\$0.6897	\$17,674.07			

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For the twelve months ended November 30, 2015  
Chemical Expenses -Filter Aid (1200844)

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-13	3,365	\$2.8800	\$9,691.20	-	\$0.0000	\$0.00				207	\$2.8800	\$596.16	3,158	\$2.8800	\$9,095.04
Jan-14	3,158	\$2.8800	\$9,095.04	-	\$0.0000	\$0.00				376	\$2.8800	\$1,082.88	2,782	\$2.8800	\$8,012.16
Feb-14	2,782	\$2.8800	\$8,012.16	-	\$0.0000	\$0.00				384	\$2.8800	\$1,105.92	2,398	\$2.8800	\$6,906.24
Mar-14	2,398	\$2.8800	\$6,906.24	-	\$0.0000	\$0.00				143	\$2.8800	\$411.84	2,255	\$2.8800	\$6,494.40
Apr-14	2,255	\$2.8800	\$6,494.40	-	\$0.0000	\$0.00				28	\$2.8800	\$80.64	2,227	\$2.8800	\$6,413.76
May-14	2,227	\$2.8800	\$6,413.76	-	\$0.0000	\$0.00				12	\$2.8800	\$34.56	2,215	\$2.8800	\$6,379.20
Jun-14	2,215	\$2.8800	\$6,379.20	-	\$0.0000	\$0.00				14	\$2.8800	\$40.32	2,201	\$2.8800	\$6,338.88
Jul-14	2,201	\$2.8800	\$6,338.88	-	\$0.0000	\$0.00				-	\$2.8800	\$0.00	2,201	\$2.8800	\$6,338.88
Aug-14	2,201	\$2.8800	\$6,338.88	-	\$0.8700	\$0.00				-	\$2.8800	\$0.00	2,201	\$2.8800	\$6,338.88
Sep-14	2,201	\$2.8800	\$6,338.88	-	\$0.8700	\$0.00				-	\$2.8800	\$0.00	2,201	\$2.8800	\$6,338.88
Oct-14	2,201	\$2.8800	\$6,338.88	-	\$0.0000	\$0.00				-	\$2.8800	\$0.00	2,201	\$2.8800	\$6,338.88
Nov-14	2,201	\$2.8800	\$6,338.88	-	\$0.0000	\$0.00				41	\$2.8800	\$118.08	2,160	\$2.8800	\$6,220.80
				-	#DIV/0!	\$0.00	-	#DIV/0!	\$0.00	1,205	\$2.8800	\$3,470.40			

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	2,160	\$2.8800	\$6,220.80	-	\$0.0000	\$0.00				94	\$2.8800	\$270.72	2,066	\$2.8800	\$5,950.08
Jan-15	2,066	\$2.8800	\$5,950.08	-	\$0.0000	\$0.00				140	\$2.8800	\$403.20	1,926	\$2.8800	\$5,546.88
Feb-15	1,926	\$2.8800	\$5,546.88	-	\$0.0000	\$0.00				139	\$2.8800	\$400.32	1,787	\$2.8800	\$5,146.56
Mar-15	1,787	\$2.8800	\$5,146.56	-	\$0.0000	\$0.00				122	\$2.8800	\$351.36	1,665	\$2.8800	\$4,795.20
Apr-15	1,665	\$2.8800	\$4,795.20	-	\$0.0000	\$0.00				41	\$2.8800	\$118.08	1,624	\$2.8800	\$4,677.12
May-15	1,624	\$2.8800	\$4,677.12	-	\$0.0000	\$0.00				-	\$2.8800	\$0.00	1,624	\$2.8800	\$4,677.12
Jun-15	1,624	\$2.8800	\$4,677.12	-	\$0.0000	\$0.00				-	\$2.8800	\$0.00	1,624	\$2.8800	\$4,677.12
Jul-15	1,624	\$2.8800	\$4,677.12	-	\$0.0000	\$0.00				-	\$2.8800	\$0.00	1,624	\$2.8800	\$4,677.12
Aug-15	1,624	\$2.8800	\$4,677.12	-	\$0.8700	\$0.00				-	\$2.8800	\$0.00	1,624	\$2.8800	\$4,677.12
Sep-15	1,624	\$2.8800	\$4,677.12	-	\$0.8700	\$0.00				-	\$2.8800	\$0.00	1,624	\$2.8800	\$4,677.12
Oct-15	1,624	\$2.8800	\$4,677.12	-	\$0.0000	\$0.00				-	\$2.8800	\$0.00	1,624	\$2.8800	\$4,677.12
Nov-15	1,624	\$2.8800	\$4,677.12	-	\$0.0000	\$0.00				89	\$2.8800	\$256.32	1,535	\$2.8800	\$4,420.80
				-	#DIV/0!	\$0.00	-	#DIV/0!	\$0.00	625	\$2.8800	\$1,800.00			

Docket No.15-00131  
For the twelve months ended November 30, 2015  
Chemical Expenses -Zinc Orthophosphate (1200989) -Carus

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-13	41,605	\$0.3800	\$15,809.89	44,920	\$0.3800	\$17,069.60		\$0.3800	\$0.00	32,546	\$0.3800	\$12,367	53,979	\$0.3800	\$20,512.01
Jan-14	53,979	\$0.3800	\$20,512.01		\$0.0000	\$0.00		\$0.3800	\$0.00	30,788	\$0.3800	\$11,699	23,191	\$0.3800	\$8,812.58
Feb-14	23,191	\$0.3800	\$8,812.58	45,300	\$0.3800	\$17,214.00		\$0.3800	\$0.00	27,498	\$0.3800	\$10,449	40,993	\$0.3800	\$15,577.34
Mar-14	40,993	\$0.3800	\$15,577.34	44,880	\$0.3800	\$17,050.40		\$0.3748	\$0.00	30,212	\$0.3748	\$11,323	55,661	\$0.3748	\$20,860.28
Apr-14	55,661	\$0.3748	\$20,860.28		\$0.0000	\$0.00		\$0.3748	\$0.00	36,399	\$0.3748	\$13,641	19,262	\$0.3748	\$7,218.89
May-14	19,262	\$0.3748	\$7,218.89	46,080	\$0.3800			\$0.3714	\$0.00	36,516	\$0.3714	\$13,562	28,826	\$0.3714	\$10,706.18
Jun-14	28,826	\$0.3714	\$10,706.18	45,120	\$0.3800			\$0.3705	\$0.00	48,764	\$0.3705	\$18,069	25,182	\$0.3705	\$9,331.15
Jul-14	25,182	\$0.3705	\$9,331.15	45,080	\$0.3800			\$0.3702	\$0.00	45,745	\$0.3702	\$16,935	24,517	\$0.3702	\$9,076.11
Aug-14	24,517	\$0.3702	\$9,076.11	44,760	\$0.3700	\$16,561.20		\$0.3701	\$0.00	46,529	\$0.3701	\$17,219	22,748	\$0.3701	\$8,418.34
Sep-14	22,748	\$0.3701	\$8,418.34	45,020	\$0.3700	\$16,657.40		\$0.3700	\$0.00	41,442	\$0.3700	\$15,335	26,326	\$0.3700	\$9,741.23
Oct-14	26,326	\$0.3700	\$9,741.23	45,220	\$0.3700	\$16,731.40		\$0.3700	\$0.00	38,475	\$0.3700	\$14,236	33,071	\$0.3700	\$12,236.55
Nov-14	33,071	\$0.3700	\$12,236.55	45,020	\$0.3700	\$16,657.40		\$0.3700	\$0.00	32,645	\$0.3700	\$12,079	45,446	\$0.3700	\$16,815.19
				451,400	\$0.3720	\$167,920.20	-	#DIV/0!	\$0.00	447,559	\$0.3729	\$166,914.90			

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	45,446	\$0.3700	\$16,815.19	44,700	\$0.3700	\$16,539.00		\$0.3700	\$0.00	33,582	\$0.3700	\$12,425	56,564	\$0.3700	\$20,928.78
Jan-15	56,564	\$0.3700	\$20,928.78	-	\$0.0000			\$0.3700	\$0.00	31,941	\$0.3700	\$11,818	24,623	\$0.3700	\$9,110.56
Feb-15	24,623	\$0.3700	\$9,110.56	45,880	\$0.3826	\$17,553.69		\$0.3782	\$0.00	23,990	\$0.3782	\$9,073	46,513	\$0.3782	\$17,591.22
Mar-15	46,513	\$0.3782	\$17,591.22	-	\$0.3826			\$0.3782	\$0.00	27,311	\$0.3782	\$10,329	19,202	\$0.3782	\$7,262.20
Apr-15	19,202	\$0.3782	\$7,262.20	45,600	\$0.3826	\$17,446.56		\$0.3813	\$0.00	27,710	\$0.3813	\$10,566	37,092	\$0.3813	\$14,143.04
May-15	37,092	\$0.3813	\$14,143.04	45,120	\$0.3826	\$17,262.91		\$0.3820	\$0.00	35,022	\$0.3820	\$13,379	47,190	\$0.3820	\$18,027.14
Jun-15	47,190	\$0.3820	\$18,027.14	45,260	\$0.3826	\$17,316.48		\$0.3823	\$0.00	35,428	\$0.3823	\$13,544	57,022	\$0.3823	\$21,799.50
Jul-15	57,022	\$0.3823	\$21,799.50	-	\$0.3826			\$0.3823	\$0.00	36,993	\$0.3823	\$14,142	20,029	\$0.3823	\$7,657.08
Aug-15	20,029	\$0.3823	\$7,657.08	45,580	\$0.3826	\$17,438.91		\$0.3825	\$0.00	42,670	\$0.3825	\$16,322	22,939	\$0.3825	\$8,774.38
Sep-15	22,939	\$0.3825	\$8,774.38	45,120	\$0.3826	\$17,262.91		\$0.3826	\$0.00	34,646	\$0.3826	\$13,254	33,413	\$0.3826	\$12,782.78
Oct-15	33,413	\$0.3826	\$12,782.78	45,480	\$0.3826	\$17,400.65		\$0.3826	\$0.00	29,952	\$0.3826	\$11,459	48,941	\$0.3826	\$18,724.19
Nov-15	48,941	\$0.3826	\$18,724.19	-	\$0.3826			\$0.3826	\$0.00	26,110	\$0.3826	\$9,989	22,831	\$0.3826	\$8,734.84
				362,740	\$0.3810	\$138,221.10	-	#DIV/0!	\$0.00	385,355	\$0.3797	\$146,301.45			

Docket No.15-00131  
 For the twelve months ended November 30, 2015  
 Chemical Expenses -Phosphate, Ortho-Poly Carus (121451) -ADC

Month	Beginning Inventory	WAC	Value	Addition			Adjustment			Net Usage			Ending Inventory	WACOG	Inventory
				Volume	WAC	Cost	Volume	Cost	Cost	Volume	WAC	Cost			
Dec-14	(29)	\$1.0215	(\$29.62)	776	\$0.9794	\$760.01				989	\$0.9778	\$967.00	(242)	\$0.9778	(\$236.62)
Jan-15	(242)	\$0.9778	(\$236.62)	-	#DIV/0!			\$0.9778	\$0.00	8	\$0.9778	\$7.82	(250)	\$0.9778	(\$244.44)
Feb-15	(250)	\$0.9778	(\$244.44)	1,044	\$1.0216	\$1,066.55		\$1.0354	\$0.00	-	\$1.0354	\$0.00	794	\$1.0354	\$822.11
Mar-15	794	\$1.0354	\$822.11	1,067	\$0.9794	\$1,045.02		\$1.0033	\$0.00	7	\$1.0033	\$7.02	1,854	\$1.0033	\$1,860.11
Apr-15	1,854	\$1.0033	\$1,860.11	-	#DIV/0!			\$1.0033	\$0.00	1,044	\$1.0033	\$1,047.44	810	\$1.0033	\$812.67
May-15	810	\$1.0033	\$812.67	754	\$1.0216	\$770.29		\$1.0121	\$0.00	256	\$1.0121	\$259.10	1,308	\$1.0121	\$1,323.86
Jun-15	1,308	\$1.0121	\$1,323.86	-	#DIV/0!			\$1.0121	\$0.00	305	\$1.0121	\$308.39	1,003	\$1.0121	\$1,015.46
Jul-15	1,003	\$1.0121	\$1,015.46	1,116	\$0.9794	\$1,093.01		\$0.9949	\$0.00	14	\$0.9949	\$13.93	2,105	\$0.9949	\$2,094.54
Aug-15	2,105	\$0.9949	\$2,094.54	1,152	\$1.0093	\$1,162.74		\$1.0000	\$0.00	565	\$1.0000	\$565.00	2,692	\$1.0000	\$2,692.29
Sep-15	2,692	\$1.0000	\$2,692.29	-	#DIV/0!			\$1.0000	\$0.00	278	\$1.0000	\$278.20	2,414	\$1.0000	\$2,414.09
Oct-15	2,414	\$1.0000	\$2,414.09	582	\$0.9794	\$570.01		\$0.9960	\$0.00	300	\$0.9960	\$298.40	2,697	\$0.9960	\$2,685.70
Nov-15	2,697	\$0.9960	\$2,685.70		#DIV/0!			\$0.9960	\$0.00	97	\$0.9960	\$96.91	2,599	\$0.9960	\$2,588.79
				6,491	#DIV/0!	\$6,467.63	-	#DIV/0!	\$0.00	3,863	\$0.9965	\$3,849.22			