

BOARD MEETING DATE: June 3, 2016

AGENDA NO. 17

REPORT: Hearing Board Report

SYNOPSIS: This reports the actions taken by the Hearing Board during the period of April 1 through April 30, 2016.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:  
Receive and file this report.

Edward Camarena  
Chairman of Hearing Board

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Two summaries are attached: **Rules From Which Variances and Orders for Abatement Were Requested in 2016** and **April 2016 Hearing Board Cases**.

The total number of appeals filed during the period April 1 to April 30, 2016 is 1; and total number of appeals filed during the period of January 1 to April 30, 2016 is 2.

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
<b># of HB Actions Involving Rules</b>														
109														0
109(c)														0
109(c)(1)														0
201														0
201.1														0
202														0
202(a)														0
202(b)														0
202(c)		1												1
203				1										1
203(a)			1											1
203(b)		4	3	4	5									16
204														0
208														0
218(c)(1)(B)(i)														0
218.1														0
218.1(b)(4)(C)														0
218(b)(2)														0
218(c)(1)(A)														0
218(d)(1)(A)														0
218(d)(1)(B)														0
219														0
219(s)(2)														0
221(b)			1											1
221(c)														0
221(d)			1											1
222														1
222(d)(1)(C)														0
222(e)(1)														0
401														0
401(b)														0
401(b)(1)														0
401(b)(1)(A)					1									1
401(b)(1)(B)														0
402		1	1		2									4
403														0
403(d)(1)														0
403(d)(1)(A)														0
404														0
404(a)					1									1
405														0
405(a)					1									1
405(b)														0
405(c)														0
407					1									1
407(a)(1)														0
409														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
410					1									1
430(b)(3)(A)(iv)														0
431.1														0
431.1														0
431.1(c)(1)														0
431.1(c)(2)														0
431.1(c)(3)(C)														0
431.1(d)(1)														0
431.1(d)(1), Att A(1)														0
442														0
444														0
444(a)														0
444(c)														0
444(d)														0
461														0
461(c)(1)														0
461(c)(1)(A)														0
461(c)(1)(B)														0
461(c)(1)(C)														0
461(c)(1)(E)														0
461(c)(1)(F)(i)														0
461(c)(1)(F)(iv)														0
461(c)(1)(F)(v)														0
461(c)(1)(H)														0
461(c)(2)														0
461(c)(2)(A)														0
461(c)(2)(B)														0
461(c)(2)(C)														0
461(c)(3)														0
461(c)(3)(A)														0
461(c)(3)(B)														0
461(c)(3)(C)														0
461(c)(3)(D)(ii)														0
461(c)(3)(E)														0
461(c)(3)(H)														0
461(c)(3)(M)														0
461(c)(4)(B)														0
461(c)(4)(B)(ii)														0
461(d)(5)(A)														0
461(e)(1)														0
461(e)(2)					1									1
461(e)(2)(A)														0
461(e)(2)(A)(i)														0
461(e)(2)(B)(i)														0
461(e)(2)(C)														0
461(e)(3)														0
461(e)(3)(A)														0
461(e)(3)(C)(i)(l)														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
461(e)(3)(D)														0
461(e)(3)(E)														0
461(e)(5)		1		3	1									5
461(e)(7)														0
462														0
462(c)(4)(B)(i)														0
462(c)(7)(A)(ii)														0
462(d)														0
462(d)(1)														0
462(d)(1)(A)														0
462(d)(1)(A)(i)														0
462(d)(1)(B)														0
462(d)(1)(C)														0
462(d)(1)(E)(ii)														0
462(d)(1)(F)														0
462(d)(1)(G)														0
462(d)(5)														0
462(e)(1)														0
462(e)(1)(E)														0
462(e)(1)(E)(ii)														0
462(e)(1)(E)(i)(II)														0
462(e)(2)(A)(i)														0
462(e)(4)														0
462(h)(1)														0
463														0
463(c)														0
463(c)(1)														0
463(c)(1)(A)(I)-(iv)														0
463(c)(1)(B)														0
463(c)(1)(C)														0
463(c)(1)(D)														0
463(c)(1)(E)														0
463(c)(2)														0
463(c)(2)(B)														0
463(c)(2)(C)														0
463(c)(3)														0
463(c)(3)(A)														0
463(c)(3)(B)														0
463(c)(3)(C)														0
463(d)														0
463(d)(2)														0
463(e)(3)(C)														0
463(e)(4)														0
463(e)(5)(C)														0
464(b)(1)(A)					1									1
464(b)(3)					1									1
468														0
468(a)														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
468(b)														0
1102														0
1102(c)(2)														0
1102(e)(1)														0
1102(f)(1)														1
1105.1														0
1105.1(d)(1)														0
1105.1(d)(1)(A)(iii)														0
1106(c)(1)														0
1106.1(c)(1)														0
1106.1(c)(1)(A)														0
1107(c)(1)														0
1107(c)(2)														0
1107(c)(7)														0
1107														0
1110.1														0
1110.2				1	1									2
1110.2(c)(14)														0
1110.2(d)														0
1110.2(d)(1)(A)														0
1110.2(d)(1)(B)						1								1
1110.2(d)(1)(B)(iii)														0
1110.2(d)(1)(D)														0
1110.2(d)(1)(E)														0
1110.2(e)(1)(A)														0
1110.2(e)(1)(B)(i)(II)														0
1110.2(e)(1)(B)(i)(III)														0
1110.2(e)(4)(B)														0
1110.2(f)														0
1110.2(f)(1)(A)														0
1110.2(f)(1)(c)														0
1113(c)(2)														0
1113(d)(3)														0
1118(c)(4)														0
1118(c)(5)														0
1118(d)(1)(2)														0
1118(d)(1)(2)														0
1118(d)(2)														0
1118(d)(3)														0
1118(d)(4)(B)														0
1118(d)(5)(A)														0
1118(d)(5)(B)														0
1118(d)(10)														0
1118(d)(12)														0
1118(e)														0
1118(f)(1)(C)														0
1118(g)(1)													1	0
1118(g)(3)														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
1118(g)(5)			1											1
1118(g)(5)(A)														0
1118(i)(5)(B)(i)														0
1118(i)(5)(B)(ii)														0
1118(j)(1)(A)(ii)														0
1118(j)(1)(B)(ii)														0
1118(j)(1)(C)														0
1121(c)(2)(C)														0
1121(c)(3)														0
1121(c)(6)														0
1121(c)(7)														0
1121(c)(8)														0
1121(e)(3)														0
1121(h)														0
1121(h)(1)														0
1121(h)(2)														0
1121(h)(3)														0
1122(c)(2)(A)														0
1122(c)(2)(E)														0
1122(d)(1)(A)														0
1122(d)(1)(B)														0
1122(d)(3)														0
1122(e)(2)(A)														0
1122(e)(2)(B)														0
1122(e)(2)(C)														0
1122(e)(2)(D)														0
1122(e)(3)														0
1122(e)(4)(A)														0
1122(e)(4)(B)														0
1122(g)(3)														0
1122(j)														0
1124														0
1124(c)(1)(A)														0
1124(c)(1)(E)														0
1124(c)(4)(A)														0
1125(c)(1)														0
1125(c)(1)(C)														0
1125(d)(1)														0
1128(c)(1)														0
1128(c)(2)														0
1130														0
1130(c)(1)														0
1130(c)(4)														0
1131														0
1131(d)														0
1132(d)(2)														0
1132(d)(3)														0
1133(d)(8)														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
1133.2(d)(8)														0
1134(c)														0
1134(c)(1)														0
1134(d)														0
1134(d)(1)														0
1134(d)(2)(B)(ii)														0
1134(f)														0
1134(g)(2)														0
1135(c)(3)														0
1135(c)(3)(B)														0
1135(c)(3)(C)														0
1135(c)(4)														0
1135(c)(4)(D)														0
1136														0
1136(c)(1)(A)(i)														0
1137(d)(2)														0
1145														0
1145(c)(1)														0
1145(c)(2)														0
1145(g)(2)														0
1145(h)(1)(E)														0
1146														1
1146(c)(1)(A)														0
1146(c)(1)(G)														2
1146(c)(1)(I)														1
1146(c)(2)														0
1146(c)(2)(A)														0
1146(d)(8)														0
1146.1														0
1146.1(a)(2)														0
1146.1(a)(8)														0
1146.1(b)(3)														0
1146.1(c)(1)														0
1146.1(c)(2)														0
1146.1(d)(4)														0
1146.1(d)(6)														0
1146.1(e)(1)														0
1146.1(e)(1)(B)														0
1146.1(e)(2)														0
1146.2														0
1146.2(c)(1)														0
1146.2(c)(4)														0
1146.2(c)(5)														0
1146.2(e)														0
1147														0
1147(c)(1)														0
1147(c)(10)														0
1147(c)(14)(A)														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
1147(c)(14)(B)														0
1150.1(d)(1)(C)(i)														0
1150.1(d)(4)														0
1150.1(d)(5)														0
1150.1(d)(10)														0
1150.1(d)(11)														0
1150.1(d)(12)														0
1150.1(d)(13)														0
1150.1(d)(14)														0
1150.1(e)(1)														0
1150.1(e)(2)														0
1150.1(e)(3)														0
1150.1(e)(1)(B)(C)														0
1150.1(e)(1)(C)														0
1151.1(e)(2)(B)(C)														0
1150.1(e)(2)(C)														0
1150.1(e)(3)(B)														0
1150.1(e)(3)(B)(C)														0
1150.1(e)(3)(C)														0
1150.1(e)(4)														0
1150.1(e)(6)(A)(I)														0
1150.1(e)(6)(A)(ii)														0
1150.1(f)(1)(A)(iii)(I)														0
1150.1(f)(1)(H)(i)														0
1151														0
1151(c)(8)														0
1151(2)														0
1151(5)														0
1151(d)(1)														0
1151(e)(1)														0
1151(e)(2)														0
1151(f)(1)														0
1153(c)(1)														0
1153(c)(1)(B)														0
1156(d)(5)(C)(i)														0
1158														0
1158(d)(2)														0
1158(d)(5)														0
1158(d)(7)														0
1158(d)(7)(A)(ii)														0
1158(d)(10)														0
1164(c)(1)(B)														0
1164(c)(2)														0
1166(c)(2)														0
1166(c)(2)(F)														0
1166, Part 12														0
1168														0
1168(c)(1)														0



Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
1169(c)(13)(ii)														0
1171														0
1171(c)														0
1171(c)(1)														0
1171(c)(1)(A)(i)														0
1171(c)(1)(b)(i)														0
1171(c)(4)														0
1171(c)(5)														0
1171(c)(5)(A)(i)														0
1171(c)(6)														0
1173														0
1173(c)														0
1173(d)														0
1173(e)(1)														0
1173(f)(1)(B)														0
1173(g)(1)		1	1		1									3
1175														0
1175(c)(2)														0
1175(c)(4)(B)														0
1175(c)(4)(B)(i)														0
1175(c)(4)(B)(ii)														0
1175(c)(4)(B)(ii)(I)														0
1175(b)(1) (C)														0
1175(d)(4)(ii)(II)														0
1176														0
1176(e)														0
1176(e)(1)														0
1176(e)(2)						1								1
1176(e)(2)(A)														0
1176(e)(2)(A)(i)														0
1176(e)(2)(B)(v)														0
1176(f)(3)														0
1177(d)(2)(D)														0
1178(d)(1)(A)(xiii)														0
1178(d)(1)(A)(xiv)														0
1178(d)(1)(B)														0
1178(d)(1)(C)														0
1178(d)(3)(C)														0
1178(d)(3)(D)														0
1178(d)(3)(E)														0
1178(d)(4)(A)(i)														0
1178(g)														0
1186.1														0
1186.1														0
1189(c)(3)														0
1195														0
1195(d)(1)(D)														0
1303(a)														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
1303(a)(1)														0
1303(b)(1)														0
1401														0
1401(d)														0
1401(d)(1)(A)														0
1401(d)(1)(B)														0
1405(d)(3)(C)														0
1407(d)														0
1407(d)(1)														0
1407(d)(2)														0
1407(d)(5)														0
1407(f)(1)														0
1415(d)(3)														0
1418(d)(2)(A)														0
1420(d)(1)														0
1420.1(d)													1	1
1420.1(f)(3)														0
1420.1(g)(4)														0
1420.1(k)(13)(B)														0
1420.2(e)(1)(A)												1		1
1420.2(f)(1)												1		1
1420.2(f)(3)												1		1
1420.2(j)(2)												1		1
1421(d)(3)(A)														0
1421(e)(2)(c)														0
1421(e)(1)(A)(vii)														0
1421(e)(3)(B)														0
1421(h)(1)(A)														0
1421(h)(1)(B)														0
1421(h)(1)(C)														0
1421(h)(1)(E)														0
1421(h)(3)														0
1421(i)(1)(C)														0
1425(d)(1)(A)														0
1469														0
1469(c)														0
1469(c)(8)														0
1469(c)(11)(A)														0
1469(c)(13)(ii)														0
1469(d)(5)														0
1469(e)(1)														0
1469(e)(7)														0
1469(g)(2)														0
1469(h)														0
1469(l)														0
1469(j)(4)(A)														0
1469(j)(4)(D)														0
1469(k)(3)(A)														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
1470														0
1470(c)(2)(C)(i)(I)														0
1470(c)(2)(C)(iv)														0
1470(c)(3)(B)(ii)														0
1470(c)(3)(C)(iii)														0
1470(c)(4)														0
1470(c)(4)(B)				1										1
1470(c)(5)														0
1470(d)(2)(B)														0
1470(e)(2)(A)														0
2004(c)(1)														0
2004(c)(1)(C)														0
2004(f)(1)		2	2		5									9
2004(f)(2)														0
2004(k)														0
2005														0
2009(b)(2)														0
2009(c)														0
2009(f)(1)														0
2009(f)(2)														0
2009.1														0
2009.1(c)														0
2009.1(f)(1)														0
2009.1(f)(2)														0
2009.1(f)(3)														0
2011														0
2011 Attachment C														0
2011(c)(2)														0
2011(c)(2)(A)					2									2
2011(c)(2)(B)														0
2011(c)(3)(A)					2									2
2011(e)(1)					2									2
2011(f)(3)														0
2011(g)														0
2011(g)(1)														0
2011(k)														0
2011(k) Appen. A, Chap. 2, except E & Attach C														0
2011(k) Appen. A, Chap. 2, Section A.3 a-c, A.5 and B. 1-4 and Appen. A, Chap. 2, Section C.2.a, c & d														0
2011, Appen. A, Attach. C, Section B.2.a.														0
2012 Chapter 2														0
2012 Attach. C, B.2.a														0
2012 Appen. A, Attach. C, Section B.2.														0
2012 Appen. A, Attach. C, Section B.2.a. & b.														0
2012 Appen. A														0
2012 Appen. A, Chap. 2														0
2012 Appen A, Chap. 2, Sec. A														0
2012 Appen A. Chap. 2. Sec. A(1)														0

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
2012 Appen A, Chap. 2, Sec. B														0
2012, Appen. A, Protocol 2012, Chap. 2, B.5.														0
2012, Appen A, Chap. 2, B.5.a														0
2012, Appen A, Chap. 2, B.10														0
2012, Appen A, Chap. 2, B.11														0
2012, Appen A, Chap. 2, B.12														0
2012, Appen A, Chap. 2, B.17														0
2012, Appen A, Chap.2, B.18														0
2012, Appen A, Chap.2, B.20														0
2012, Chapter 2, E.2.b.i.														0
2012, Chapter 2, E.2.b.ii.														0
2012 Appen A, Chap. 4.A.4														0
2012(B)(5)(e)														0
2012(c)(2)(A)		1			2									3
2012(c)(2)														0
2012(c)(3)														0
2012(c)(3)(A)					2									2
2012(c)(3)(B)														0
2012(c)(10)														0
2012(d)(2)														0
2012(d)(2)(A)														0
2012(d)(2)(D)														0
2012(f)(2)(A)														0
2012(g)(1)		1			2									3
2012(g)(3)														0
2012(g)(7)														0
2012(h)(3)														0
2012(h)(4)														0
2012(h)(5)														0
2012(h)(6)														0
2012(i)														0
2012(j)(1)														0
2012(j)(2)														0
2012, Protocol (Appen. A) Chap. 2, Part A.1.a														0
2012, Protocol (Appen. A) Chap. 2, Part B.4														0
2012, Protocol, (Appen A) Chap. 2, Part B.5.e														0
2012 Chapter 2, B.5.f														0
2012(m)														0
2012(m) Table 2012-1, and Appen. A, Chp 2, & Attachment C														0
2012(m) Appen. A, Attach. C														0
2012(m) Appen. A, Chap. 2, Sections 2.A.1 a-c, e.g, and B. 1-4 and Appendix A, Chapter 3, Section C.2 a, c & d														0
2012(m) Appen. A, Chap 3, Section (A)(6)														0
2012(m) Appen. A, Chap 5, Para G, Table 5B and Att. D														0
2202														0
3002														0
3002(c)														0
3002(c)(1)		2	3	1	4									10

Rules from which Variances and Order for Abatements were Requested in 2016														
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
3002(c)(2)														0
3004														0
Regulation II														0
Regulation IX														0
Regulation IX, 40 CFR Part 60, Subpart J														0
Regulation XI														0
Regulation XIII														0
H&S 39152(b)														0
H&S 41510														0
H&S 41700		1	1		1									3
H&S 41701					1									1
H&S 93115.6(c)(2)(C)(1)														0
H&S 42303														0
Title 13 Code of Regulations §2452														0

## Report of April 2016 Hearing Board Cases

Case Name and Case No.	Rules	Reason for Petition	District Position/ Hearing Board Action	Type and Length of Variance or Order	Excess Emissions
1. Air Liquide Large Industries US L.P. Case No. 5705-4 (N. Sanchez)	203(b) 1173(g)(1) 2004(f)(1) 3002(c)(1)	Additional time required for repair of leaking pressure safety valve.	Not Opposed/Granted	RV granted commencing 4/5/16 and continuing through 9/30/16, the FCD.	VOC & CO: TBD by 9/20/16
2. Beta Offshore Case No. 5855-4 (M. Reichert)	203(b) 1110.2 2004(f)(1)	ICEs serving offshore platform cranes failed source test on VOC limit.	Not Opposed/Granted	Ex Parte/EV granted commencing 4/14/16 and continuing for 30 days or until the IV hearing currently scheduled for 5/3/16, whichever comes first.	VOC: .3128 lb/day
3. Chevron Product Company Case No. 831-380 (K. Manwaring)	203(b) 464(b)(1)(A) 464(b)(3) 1176(e)(2) 2004(f)(1) 3002(c)(1)	Power outage resulted in petitioner diverting waste water to uncovered temporary storage area.	Not Opposed/Granted	Ex Parte/EV granted commencing 4/27/16 and continuing for 30 days or until the EV hearing currently scheduled for 5/3/16, whichever comes first.	None
4. County of Los Angeles Department of Public Works Case No. 6044-1 (T. Barrera)	1110.2(d)(1)(B)	Hoist ICE serving Santa Anita Dam exceeds VOC, NOx and CO limits.	Not Opposed/Granted	RV granted. The variance coverage shall be for 800 nonconsecutive hours between 11/1/16 and 10/31/17, the FCD.	NOx: 1188 lbs/total CO: 751.7 lbs/total VOC: 2331.8 lbs/total
5. SCAQMD vs. ExxonMobil Oil Corporation Case No. 1183-494 (B. Gilchrist)	203(b) 401(b)(1)(A) 404(a) 405(a) 407 2004(f)(1) 2011(c)(2)(A) 2011(c)(3)(A) 2011(e)(1) 2012(c)(2)(A) 2012(c)(3)(A) 2012(g)(1) 3002(c)(1) H&S Code §41701	Respondent seeks to restart refinery equipment with alternate startup sequence.	Stipulated/Issued	O/A issued commencing 4/2/16 and continuing through 7/29/16. The Hearing Board shall retain jurisdiction over this matter until 7/29/16.	N/A

Case Name and Case No.	Rules	Reason for Petition	District Position/ Hearing Board Action	Type and Length of Variance or Order	Excess Emissions
6. SCAQMD vs. Rainbow Transfer/Recycling, Inc. Case No. 4394-2 (K. Manwaring)	402 410 H&S Code §41700	Status report on progress to abate nuisance odors.	Stipulated/Issued	Mod. O/A issued commencing 4/13/16 and continuing through 2/1/18. The Hearing Board shall retain jurisdiction over this matter until 2/1/18.	N/A
7. SCAQMD vs. Western Riverside County Regional Wastewater Authority Case No. 6033-1 (N. Sanchez)	402	Additional time required due to unexpected delays in major expansion and odor abatement project.	Stipulated/Issued	Mod. O/A issued commencing 4/27/16 and continuing through 4/30/17. The Hearing Board shall retain jurisdiction over this matter until 4/30/17.	N/A
8. Tesoro Refining & Marketing Co., LLC Case No. 4982-101 (M. Reichert)	203(b) 2004(f)(1) 2011(c)(2)(A) 2011 (c)(3)(A) 2011(e)(1) 2012(c)(2)(A) 2012(c)(3)(A) 2012(g)(1) 3002(c)(1)	CEMS will be taken out of service for maintenance/repair during refinery turnaround.	Not Opposed/Granted	SV and AOC granted commencing on the date notice is given pursuant to Condition Nos. 2(b) and 3 of the Order and shall continue for 28 days, terminating on the day Petitioner provides records in accordance with Condition Nos. 4, 5 and 6. The variance and AOC period shall occur between 4/5/16 and 7/3/16.	None
9. World Auto Service Case No. 6050-1 (T. Barrera)	461(e)(5)	GDF failed vent blockage test.	Not Opposed/Granted	Ex Parte/EV granted commencing 4/22/16 and continuing for 30 days or until the SV currently scheduled for 5/19/16, whichever comes first.	None

### Acronyms

AOC: Alternative Operating Condition(s)  
CEMS: Continuous Emissions Monitoring System  
CO: Carbon Monoxide  
EV: Emergency Variance  
FCD: Final Compliance Date  
GDF: Gasoline Dispensing Facility  
H&S: Health and Safety  
IV: Interim Variance  
ICE: Internal Combustion Engine  
MFCD/EXT: Modification of Final Compliance Date and Extension of a Variance  
Mod. O/A: Modification of an Order for Abatement

N/A: Not Applicable  
NOx: Oxides of Nitrogen  
O/A: Order for Abatement  
RV: Regular Variance  
SOx: Oxides of Sulfur  
SV: Short Variance  
TBD: To Be Determined  
VOC: Volatile Organic Compounds