

EXECUTIVE SUMMARY - ENFORCEMENT MATTER

DOCKET NO.: 2007-0573-AIR-E **TCEQ ID:** RN100225945 **CASE NO.:** 33152

RESPONDENT NAME: The Dow Chemical Company

ORDER TYPE:		
<input checked="" type="checkbox"/> 1660 AGREED ORDER	<input type="checkbox"/> FINDINGS AGREED ORDER	<input type="checkbox"/> FINDINGS ORDER FOLLOWING SOAH HEARING
<input type="checkbox"/> FINDINGS DEFAULT ORDER	<input type="checkbox"/> SHUTDOWN ORDER	<input type="checkbox"/> IMMINENT AND SUBSTANTIAL ENDANGERMENT ORDER
<input type="checkbox"/> AMENDED ORDER	<input type="checkbox"/> EMERGENCY ORDER	
CASE TYPE:		
<input checked="" type="checkbox"/> AIR	<input type="checkbox"/> MULTI-MEDIA (check all that apply)	<input type="checkbox"/> INDUSTRIAL AND HAZARDOUS WASTE
<input type="checkbox"/> PUBLIC WATER SUPPLY	<input type="checkbox"/> PETROLEUM STORAGE TANKS	<input type="checkbox"/> OCCUPATIONAL CERTIFICATION
<input type="checkbox"/> WATER QUALITY	<input type="checkbox"/> SEWAGE SLUDGE	<input type="checkbox"/> UNDERGROUND INJECTION CONTROL
<input type="checkbox"/> MUNICIPAL SOLID WASTE	<input type="checkbox"/> RADIOACTIVE WASTE	<input type="checkbox"/> DRY CLEANER REGISTRATION
<p>SITE WHERE VIOLATION(S) OCCURRED: Dow Texas Operations Freeport, 2301 North Brazosport Boulevard, Freeport, Brazoria County</p> <p>TYPE OF OPERATION: Chemical manufacturing plant</p> <p>SMALL BUSINESS: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>OTHER SIGNIFICANT MATTERS: There are no complaints. There are ten additional pending enforcement actions regarding this facility location, Docket Nos. 2004-0071-AIR-E, 2004-1344-MLM-E, 2005-0211-AIR-E, 2006-0372-AIR-E, 2006-0597-AIR-E, 2006-1416-AIR-E, 2007-0923-AIR-E, 2007-1756-AIR-E, 2007-1843-IHW-E, and 2007-1981-AIR-E.</p> <p>INTERESTED PARTIES: No one other than the ED and the Respondent has expressed an interest in this matter.</p> <p>COMMENTS RECEIVED: The <i>Texas Register</i> comment period expired on March 10, 2008. No comments were received.</p> <p>CONTACTS AND MAILING LIST: TCEQ Attorney/SEP Coordinator: Ms. Melissa Keller, SEP Coordinator, Enforcement Division, MC 219, (512) 239-1768 TCEQ Enforcement Coordinator: Ms. Kimberly Morales, Enforcement Division, Enforcement Team 5, MC R-12, (713) 422-8938; Mr. Bryan Sinclair, Enforcement Division, MC 219, (512) 239-2171 Respondent: Ms. Linda Bartholome, Responsible Care Leader, Texas Operations, The Dow Chemical Company, 2301 Brazosport Boulevard, B-101, Freeport, Texas 77541 Respondent's Attorney: Not represented by counsel on this enforcement matter</p>		

VIOLATION SUMMARY CHART:

VIOLATION INFORMATION	PENALTY CONSIDERATIONS	CORRECTIVE ACTIONS TAKEN/REQUIRED
<p>Type of Investigation: <input type="checkbox"/> Complaint <input type="checkbox"/> Routine <input type="checkbox"/> Enforcement Follow-up <input checked="" type="checkbox"/> Records Review</p> <p>Date(s) of Complaints Relating to this Case: None</p> <p>Date of Investigation Relating to this Case: January 12, 2007</p> <p>Date of NOV/NOE Relating to this Case: February 15 and 16, 2007 (NOE)</p> <p>Background Facts: This was a routine record review.</p> <p>AIR</p> <p>1) Failed to prevent unauthorized emissions. Specifically, 682 pounds ("lbs") of Ethylene, 0.14 lb of Carbon Monoxide, and 0.03 lb of Nitrogen Oxide ("NOx") were released from the Train 3 reactor in the Polyethylene 2 Unit when wiring on a thermocouple connection failed due to insufficient torque value on the connection. This resulted in an emissions event that occurred on October 30, 2006 and lasted for one minute (Incident No. 83240). Since this emissions event was avoidable, the Respondent failed to meet the demonstrations for an affirmative defense in 30 TEX. ADMIN. CODE § 101.222 [30 TEX. ADMIN. CODE § 116.115(c), Air Permit No. 48813, Special Condition No. 1, and TEX. HEALTH & SAFETY CODE § 382.085(b)].</p> <p>2) Failed to maintain a minimum net heating value of 200 British Thermal Units per standard cubic foot ("BTU/scf") on Polypropylene Flare F-600, as reported in the deviation report dated October 26, 2006. Specifically, a net heating value of 190 BTU/scf was maintained for one hour on June 30, 2006 from 5:00 a.m. through 6:00 a.m. [30 TEX. ADMIN. CODE §§ 116.115(c) and 122.143(4), Air Permit No. 37884, Special Condition No. 6.A., Air Permit No. O-02313, Special Condition No. 1.A., 40 CODE OF FEDERAL REGULATIONS § 60.18(c)(3)(ii), and TEX. HEALTH & SAFETY CODE § 382.085(b)].</p>	<p>Total Assessed: \$34,670</p> <p>Total Deferred: \$6,934 <input checked="" type="checkbox"/> Expedited Settlement <input type="checkbox"/> Financial Inability to Pay</p> <p>SEP Conditional Offset: \$13,868</p> <p>Total Paid to General Revenue: \$13,868</p> <p>Site Compliance History Classification <input type="checkbox"/> High <input checked="" type="checkbox"/> Average <input type="checkbox"/> Poor</p> <p>Person Compliance History Classification <input type="checkbox"/> High <input checked="" type="checkbox"/> Average <input type="checkbox"/> Poor</p> <p>Major Source: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Applicable Penalty Policy: September 2002</p>	<p>Corrective Actions Taken:</p> <p>The Executive Director recognizes that the Respondent has implemented the following corrective measures at the Plant:</p> <p>a. Replaced a missing bull plug on a sample point in Unit OC4PPFU1 on January 4, 2006;</p> <p>b. Increased fuel gas flow to Polypropylene Flare F-600 on June 30, 2006 at 6:00 a.m. in order to increase the minimum net heating value. The heat value for the two hours following the fuel gas increase was 206 and 242 BTU/scf;</p> <p>c. Repaired the oxygen analyzer on Polypropylene Flare F-600 on September 17, 2006 at 10:00 a.m. The average hourly NOx emissions were 0.51 lb/hr after repairs were made;</p> <p>d. Implemented annual torque wrench calibration for Instrument & Electrical ("I&E") wrenches on November 6, 2006;</p> <p>e. Implemented a thermocouple assembly procedure on January 2, 2007;</p> <p>f. Began utilizing high pressure connection tags on thermocouples on January 2, 2007;</p> <p>g. Added I&E high pressure connections to the High Pressure Connection procedure with correct torque values specified on January 4, 2007; and</p> <p>h. Implemented an I&E procedure checklist for reactor strips that includes correct torque values for thermocouple connections and re-torquing thermocouples after installation on January 29, 2007.</p> <p>Ordering Provisions:</p> <p>The Order will require the Respondent to implement and complete a Supplemental Environmental Project ("SEP"). (See SEP Attachment A)</p>

<p>3) Failed to meet the maximum allowable emission rate of 0.65 lb/hour for NOx on Polypropylene Flare F-600, as reported in the deviation report dated October 26, 2006. Specifically, the average hourly NOx emissions were 0.69 lb/hour on September 17, 2006 from 4:00 a.m. through 10:00 a.m. due to a failed oxygen analyzer [30 TEX. ADMIN. CODE §§ 116.115(c) and 122.143(4), Air Permit No. 37884, Special Condition No. 1, Air Permit No. O-02313, Special Condition No. 8.A., and TEX. HEALTH & SAFETY CODE § 382.085(b)].</p> <p>4) Failed to seal an open-ended line with a second valve, blind flange, cap, or plug, as reported in the deviation report dated April 26, 2006. Specifically, one sample point in Highly Reactive Volatile Organic Compound (Propylene) service in Unit OC4PPFU1 had a missing bull plug on January 4, 2006 [30 TEX. ADMIN. CODE §§ 115.352(4), 115.783(5), 116.115(c), and 122.143(4), Air Permit No. 37884, Special Condition No. 8.E., Air Permit No. O-02313, Special Condition No. 8.A., 40 CODE OF FEDERAL REGULATIONS §§ 60.482-6(a)(1) and 60.562-2(a), and TEX. HEALTH & SAFETY CODE § 382.085(b)].</p>		
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Additional ID No(s): BL0082R



Penalty Calculation Worksheet (PCW)

Policy Revision 2 (September 2002)

PCW Revision March 19, 2007

DATES	Assigned	20-Feb-2007	Screening	22-Mar-2007	EPA Due	17-Nov-2007
	PCW	7-Jan-2008				

RESPONDENT/FACILITY INFORMATION			
Respondent	The Dow Chemical Company		
Reg. Ent. Ref. No.	RN100225945		
Facility/Site Region	12-Houston	Major/Minor Source	Major

CASE INFORMATION				
Enf./Case ID No.	33152	No. of Violations	4	
Docket No.	2007-0573-AIR-E	Order Type	1660	
Media Program(s)	Air	Enf. Coordinator	Kimberly Morales	
Multi-Media		EC's Team	Enforcement Team 5	
Admin. Penalty \$	Limit Minimum	\$0	Maximum	\$10,000

Penalty Calculation Section

TOTAL BASE PENALTY (Sum of violation base penalties) Subtotal 1

ADJUSTMENTS (+/-) TO SUBTOTAL 1

Subtotals 2-7 are obtained by multiplying the Total Base Penalty (Subtotal 1) by the indicated percentage.

Compliance History Enhancement Subtotals 2, 3, & 7

Notes: Penalty enhancement for 56 NOVs for the same or similar violations, 29 NOVs for unrelated violations (including 12 self-reported effluent violations), three agreed orders containing a denial of liability, and two agreed orders without a denial of liability. Penalty reduction for 40 notice of audit letters and eight disclosures of violations.

Culpability Enhancement Subtotal 4

Notes: The Respondent does not meet the culpability criteria.

Good Faith Effort to Comply Reduction Subtotal 5

	Before NOV	NOV to EDPRP/Settlement Offer
Extraordinary	<input type="text"/>	<input type="text"/>
Ordinary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
N/A	<input type="checkbox"/>	(mark with x)

Notes: The Respondent completed corrective actions on January 29, 2007.

Total EB Amounts Enhancement* Subtotal 6

Approx. Cost of Compliance *Capped at the Total EB \$ Amount

SUM OF SUBTOTALS 1-7 Final Subtotal

OTHER FACTORS AS JUSTICE MAY REQUIRE Adjustment

Reduces or enhances the Final Subtotal by the indicated percentage. (Enter number only; e.g. -30 for -30%.)

Notes:

Final Penalty Amount

STATUTORY LIMIT ADJUSTMENT Final Assessed Penalty

DEFERRAL Reduction Adjustment

Reduces the Final Assessed Penalty by the indicated percentage. (Enter number only; e.g. 20 for 20% reduction.)

Notes: Deferral offered for expedited settlement.

PAYABLE PENALTY

Screening Date 22-Mar-2007

Docket No. 2007-0573-AIR-E

PCW

Respondent The Dow Chemical Company

Policy Revision 2 (September 2002)

Case ID No. 33152

PCW Revision March 19, 2007

Reg. Ent. Reference No. RN100225945

Media [Statute] Air

Enf. Coordinator Kimberly Morales

Compliance History Worksheet

>> Compliance History Site Enhancement (Subtotal 2)

Component	Number of...	Enter Number Here	Adjust.
NOVs	Written NOVs with same or similar violations as those in the current enforcement action (number of NOVs meeting criteria)	56	280%
	Other written NOVs	29	58%
Orders	Any agreed final enforcement orders containing a denial of liability (number of orders meeting criteria)	3	60%
	Any adjudicated final enforcement orders, agreed final enforcement orders without a denial of liability, or default orders of this state or the federal government, or any final prohibitory emergency orders issued by the commission	2	50%
Judgments and Consent Decrees	Any non-adjudicated final court judgments or consent decrees containing a denial of liability of this state or the federal government (number of judgements or consent decrees meeting criteria)	0	0%
	Any adjudicated final court judgments and default judgments, or non-adjudicated final court judgments or consent decrees without a denial of liability, of this state or the federal government	0	0%
Convictions	Any criminal convictions of this state or the federal government (number of counts)	0	0%
Emissions	Chronic excessive emissions events (number of events)	0	0%
Audits	Letters notifying the executive director of an intended audit conducted under the Texas Environmental, Health, and Safety Audit Privilege Act, 74th Legislature, 1995 (number of audits for which notices were submitted)	40	-40%
	Disclosures of violations under the Texas Environmental, Health, and Safety Audit Privilege Act, 74th Legislature, 1995 (number of audits for which violations were disclosed)	8	-16%
<i>Please Enter Yes or No</i>			
Other	Environmental management systems in place for one year or more	No	0%
	Voluntary on-site compliance assessments conducted by the executive director under a special assistance program	No	0%
	Participation in a voluntary pollution reduction program	No	0%
	Early compliance with, or offer of a product that meets future state or federal government environmental requirements	No	0%

Adjustment Percentage (Subtotal 2) 392%

>> Repeat Violator (Subtotal 3)

No

Adjustment Percentage (Subtotal 3) 0%

>> Compliance History Person Classification (Subtotal 7)

Average Performer

Adjustment Percentage (Subtotal 7) 0%

>> Compliance History Summary

Compliance History Notes Penalty enhancement for 56 NOVs for the same or similar violations, 29 NOVs for unrelated violations (including 12 self-reported effluent violations), three agreed orders containing a denial of liability, and two agreed orders without a denial of liability. Penalty reduction for 40 notice of audit letters and eight disclosures of violations.

Total Adjustment Percentage (Subtotals 2, 3, & 7) 392%

Screening Date 22-Mar-2007

Docket No. 2007-0573-AIR-E

PCW

Respondent The Dow Chemical Company

Policy Revision 2 (September 2002)

Case ID No. 33152

PCW Revision March 19, 2007

Reg. Ent. Reference No. RN100225945

Media [Statute] Air

Enf. Coordinator Kimberly Morales

Violation Number 1

Rule Cite(s) 30 Tex. Admin. Code § 116.115(c), Air Permit No. 48813, Special Condition No. 1, and Tex. Health & Safety Code § 382.085(b)

Violation Description Failed to prevent unauthorized emissions. Specifically, 682 pounds ("lbs") of Ethylene, 0.14 lb of Carbon Monoxide, and 0.03 lb of Nitrogen Oxide were released from the Train 3 reactor in the Polyethylene 2 Unit when wiring on a thermocouple connection failed due to insufficient torque value on the connection. This resulted in an emissions event that occurred on October 30, 2006 and lasted for one minute (Incident No. 83240). Since this emissions event was avoidable, the Respondent failed to meet the demonstrations for an affirmative defense in 30 Tex. Admin. Code § 101.222.

Base Penalty \$10,000

>> Environmental, Property and Human Health Matrix

OR

Release	Harm		
	Major	Moderate	Minor
Actual			x
Potential			

Percent 25%

>> Programmatic Matrix

Falsification	Major	Moderate	Minor

Percent 0%

Matrix Notes

Human health or the environment has been exposed to insignificant amounts of pollutants which do not exceed levels that are protective of human health or environmental receptors as a result of the violation.

Adjustment \$7,500

\$2,500

Violation Events

Number of Violation Events 1

1 Number of violation days

daily	
monthly	
quarterly	
semiannual	
annual	
single event	x

mark only one with an x

Violation Base Penalty \$2,500

One single event is recommended.

Economic Benefit (EB) for this violation

Statutory Limit Test

Estimated EB Amount \$25

Violation Final Penalty Total \$11,675

This violation Final Assessed Penalty (adjusted for limits) \$10,000

Economic Benefit Worksheet

Respondent The Dow Chemical Company
Case ID No. 33152
Reg. Ent. Reference No. RN100225945
Media Air
Violation No. 1

Percent Interest	Years of Depreciation
5.0	15

Item Description	Item Cost	Date Required	Final Date	Yrs	Interest Saved	Onetime Costs	EB Amount
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No commas or \$

Delayed Costs

Equipment				0.0	\$0	\$0	\$0
Buildings				0.0	\$0	\$0	\$0
Other (as needed)				0.0	\$0	\$0	\$0
Engineering/construction				0.0	\$0	\$0	\$0
Land				0.0	\$0	n/a	\$0
Record Keeping System				0.0	\$0	n/a	\$0
Training/Sampling				0.0	\$0	n/a	\$0
Remediation/Disposal				0.0	\$0	n/a	\$0
Permit Costs				0.0	\$0	n/a	\$0
Other (as needed)	\$2,000	30-Oct-2006	29-Jan-2007	0.2	\$25	n/a	\$25

Notes for DELAYED costs

Estimated cost to prepare and implement corrective actions necessary to prevent the emissions event. Date required is the date of the emissions event. Final date is the date corrective actions were completed.

Avoided Costs

ANNUALIZE [1] avoided costs before entering item (except for one-time avoided costs)

Disposal				0.0	\$0	\$0	\$0
Personnel				0.0	\$0	\$0	\$0
Inspection/Reporting/Sampling				0.0	\$0	\$0	\$0
Supplies/equipment				0.0	\$0	\$0	\$0
Financial Assurance [2]				0.0	\$0	\$0	\$0
ONE-TIME avoided costs [3]				0.0	\$0	\$0	\$0
Other (as needed)				0.0	\$0	\$0	\$0

Notes for AVOIDED costs

Approx. Cost of Compliance	\$2,000	TOTAL	\$25
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Screening Date 22-Mar-2007

Docket No. 2007-0573-AIR-E

PCW

Respondent The Dow Chemical Company

Policy Revision 2 (September 2002)

Case ID No. 33152

PCW Revision March 19, 2007

Reg. Ent. Reference No. RN100225945

Media [Statute] Air

Enf. Coordinator Kimberly Morales

Violation Number

Rule Cite(s) 30 Tex. Admin. Code §§ 116.115(c) and 122.143(4), Air Permit No. 37884, Special Condition No. 6.A., Air Permit No. O-02313, Special Condition No. 1.A., 40 Code of Federal Regulations § 60.18(c)(3)(ii), and Tex. Health & Safety Code § 382.085(b)

Violation Description

Failed to maintain a minimum net heating value of 200 BTU/scf on Polypropylene Flare F-600, as reported in the deviation report dated October 26, 2006. Specifically, a net heating value of 190 BTU/scf was maintained for one hour on June 30, 2006 from 5:00 a.m. through 6:00 a.m.

Base Penalty

>> Environmental, Property and Human Health Matrix

OR

Release	Harm		
	Major	Moderate	Minor
Actual	<input type="text"/>	<input type="text"/>	<input type="text"/>
Potential	<input type="text"/>	<input type="text"/>	<input checked="" type="text" value="x"/>

Percent

>> Programmatic Matrix

Falsification	Major	Moderate	Minor
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Percent

Matrix Notes

Human health or the environment will or could be exposed to insignificant amounts of pollutants which would not exceed levels that are protective of human health or environmental receptors as a result of the violation.

Adjustment

Violation Events

Number of Violation Events

Number of violation days

mark only one with an x	daily	<input type="text"/>
	monthly	<input type="text"/>
	quarterly	<input type="text"/>
	semiannual	<input type="text"/>
	annual	<input type="text"/>
	single event	<input checked="" type="text" value="x"/>

Violation Base Penalty

One single event is recommended.

Economic Benefit (EB) for this violation

Statutory Limit Test

Estimated EB Amount

Violation Final Penalty Total

This violation Final Assessed Penalty (adjusted for limits)

Economic Benefit Worksheet

Respondent The Dow Chemical Company
Case ID No. 33152
Reg. Ent. Reference No. RN100225945
Media Air
Violation No. 2

Percent Interest	Years of Depreciation
5.0	15

Item Description	Item Cost	Date Required	Final Date	Yrs	Interest Saved	Onetime Costs	EB Amount
<small>No commas or \$</small>							

Delayed Costs

Equipment				0.0	\$0	\$0	\$0
Buildings				0.0	\$0	\$0	\$0
Other (as needed)				0.0	\$0	\$0	\$0
Engineering/construction				0.0	\$0	\$0	\$0
Land				0.0	\$0	n/a	\$0
Record Keeping System				0.0	\$0	n/a	\$0
Training/Sampling				0.0	\$0	n/a	\$0
Remediation/Disposal				0.0	\$0	n/a	\$0
Permit Costs				0.0	\$0	n/a	\$0
Other (as needed)	\$5,000	30-Jun-2006	30-Jun-2006	0.0	\$0	n/a	\$0

Notes for DELAYED costs
 Estimated cost to increase the fuel gas flow to the flare. Date required is the date of the violation. Final date is the date corrective actions were completed.

Avoided Costs

ANNUALIZE [1] avoided costs before entering item (except for one-time avoided costs)

Disposal				0.0	\$0	\$0	\$0
Personnel				0.0	\$0	\$0	\$0
Inspection/Reporting/Sampling				0.0	\$0	\$0	\$0
Supplies/equipment				0.0	\$0	\$0	\$0
Financial Assurance [2]				0.0	\$0	\$0	\$0
ONE-TIME avoided costs [3]				0.0	\$0	\$0	\$0
Other (as needed)				0.0	\$0	\$0	\$0

Notes for AVOIDED costs
 (Empty box for notes)

Approx. Cost of Compliance	\$5,000	TOTAL	\$0
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Screening Date 22-Mar-2007

Docket No. 2007-0573-AIR-E

PCW

Respondent The Dow Chemical Company

Policy Revision 2 (September 2002)

Case ID No. 33152

PCW Revision March 19, 2007

Reg. Ent. Reference No. RN100225945

Media [Statute] Air

Enf. Coordinator Kimberly Morales

Violation Number 3

Rule Cite(s) 30 Tex. Admin. Code §§ 116.115(c) and 122.143(4), Air Permit No. 37884, Special Condition No. 1, Air Permit No. O-02313, Special Condition No. 8.A., and Tex. Health & Safety Code § 382.085(b)

Violation Description Failed to meet the maximum allowable emission rate of 0.65 lb/hour for Nitrogen Oxides ("NOx") on Polypropylene Flare F-600, as reported in the deviation report dated October 26, 2006. Specifically, the average hourly NOx emissions were 0.69 lb/hour on September 17, 2006 from 4:00 a.m. through 10:00 a.m. due to a failed oxygen analyzer.

Base Penalty \$10,000

>> Environmental, Property and Human Health Matrix

Release	Harm			Percent
	Major	Moderate	Minor	
Actual			X	25%
Potential				

>> Programmatic Matrix

Falsification	Major	Moderate	Minor	Percent
				0%

Matrix Notes Human health or the environment has been exposed to insignificant amounts of pollutants which do not exceed levels that are protective of human health or environmental receptors as a result of the violation.

Adjustment \$7,500

\$2,500

Violation Events

Number of Violation Events 1 Number of violation days 1

mark only one with an x	daily	
	monthly	
	quarterly	
	semiannual	
	annual	
	single event	X

Violation Base Penalty \$2,500

One single event is recommended.

Economic Benefit (EB) for this violation

Statutory Limit Test

Estimated EB Amount \$0

Violation Final Penalty Total \$11,675

This violation Final Assessed Penalty (adjusted for limits) \$10,000

Economic Benefit Worksheet

Respondent The Dow Chemical Company
Case ID No. 33152
Reg. Ent. Reference No. RN100225945
Media Air
Violation No. 3

Percent Interest	Years of Depreciation
5.0	15

Item Description	Item Cost	Date Required	Final Date	Yrs	Interest Saved	Onetime Costs	EB Amount
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No commas or \$

Delayed Costs

Equipment	\$1,500	17-Sep-2006	17-Sep-2006	0.0	\$0	\$0	\$0
Buildings				0.0	\$0	\$0	\$0
Other (as needed)				0.0	\$0	\$0	\$0
Engineering/construction				0.0	\$0	\$0	\$0
Land				0.0	\$0	n/a	\$0
Record Keeping System				0.0	\$0	n/a	\$0
Training/Sampling				0.0	\$0	n/a	\$0
Remediation/Disposal				0.0	\$0	n/a	\$0
Permit Costs				0.0	\$0	n/a	\$0
Other (as needed)				0.0	\$0	n/a	\$0

Notes for DELAYED costs

Estimated cost to repair the oxygen analyzer. Date required is the date of the violation. Final date is the date corrective actions were completed.

Avoided Costs

ANNUALIZE [1] avoided costs before entering item (except for one-time avoided costs)

Disposal				0.0	\$0	\$0	\$0
Personnel				0.0	\$0	\$0	\$0
Inspection/Reporting/Sampling				0.0	\$0	\$0	\$0
Supplies/equipment				0.0	\$0	\$0	\$0
Financial Assurance [2]				0.0	\$0	\$0	\$0
ONE-TIME avoided costs [3]				0.0	\$0	\$0	\$0
Other (as needed)				0.0	\$0	\$0	\$0

Notes for AVOIDED costs

Approx. Cost of Compliance

\$1,500

TOTAL

\$0

Screening Date 22-Mar-2007

Docket No. 2007-0573-AIR-E

PCW

Respondent The Dow Chemical Company

Policy Revision 2 (September 2002)

Case ID No. 33152

PCW Revision March 19, 2007

Reg. Ent. Reference No. RN100225945

Media [Statute] Air

Enf. Coordinator Kimberly Morales

Violation Number 4

Rule Cite(s) 30 Tex. Admin. Code §§ 115.352(4), 115.783(5), 116.115(c), and 122.143(4), Air Permit No. 37884, Special Condition No. 8.E., Air Permit No. O-02313, Special Condition No. 8.A., 40 Code of Federal Regulations §§ 60.482-6(a)(1) and 60.562-2(a), and Tex. Health & Safety Code § 382.085(b)

Violation Description

Failed to seal an open-ended line with a second valve, blind flange, cap, or plug, as reported in the deviation report dated April 26, 2006. Specifically, one sample point in Highly Reactive Volatile Organic Compound (Propylene) service in Unit OC4PPFU1 had a missing bull plug on January 4, 2006.

Base Penalty \$10,000

>> Environmental, Property and Human Health Matrix

OR

Release	Harm		
	Major	Moderate	Minor
Actual			X
Potential			

Percent 25%

>> Programmatic Matrix

Falsification	Major	Moderate	Minor

Percent 0%

Matrix Notes

Estimated emissions of 0.0912 lbs of Propylene for the open-ended line was calculated utilizing the Facility/Compound Specific Fugitive Emission Factors in the "Air Permits Technical Guidance for Chemical Sources: Equipment Leak Fugitives" publication. Human health or the environment has been exposed to insignificant amounts of pollutants which do not exceed levels that are protective of human health or environmental receptors as a result of the violation.

Adjustment \$7,500

\$2,500

Violation Events

Number of Violation Events 1

1 Number of violation days

mark only one with an x	daily	
	monthly	
	quarterly	X
	semiannual	
	annual	
single event		

Violation Base Penalty \$2,500

One quarterly event is recommended.

Economic Benefit (EB) for this violation

Statutory Limit Test

Estimated EB Amount \$0

Violation Final Penalty Total \$11,675

This violation Final Assessed Penalty (adjusted for limits) \$10,000

Economic Benefit Worksheet

Respondent The Dow Chemical Company
Case ID No. 33152
Reg. Ent. Reference No. RN100225945
Media Air
Violation No. 4

Percent Interest	Years of Depreciation
5.0	15

Item Description	Item Cost	Date Required	Final Date	Yrs	Interest Saved	Onetime Costs	EB Amount
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No commas or \$

Delayed Costs

Equipment				0.0	\$0	\$0	\$0
Buildings				0.0	\$0	\$0	\$0
Other (as needed)	\$1,200	4-Jan-2006	4-Jan-2006	0.0	\$0	\$0	\$0
Engineering/construction				0.0	\$0	\$0	\$0
Land				0.0	\$0	n/a	\$0
Record Keeping System				0.0	\$0	n/a	\$0
Training/Sampling				0.0	\$0	n/a	\$0
Remediation/Disposal				0.0	\$0	n/a	\$0
Permit Costs				0.0	\$0	n/a	\$0
Other (as needed)				0.0	\$0	n/a	\$0

Notes for DELAYED costs

Estimated cost to equip the open-ended line with a plug. Date required is the date of the violation. Final date is the date corrective actions were completed.

Avoided Costs

ANNUALIZE [1] avoided costs before entering item (except for one-time avoided costs)

Disposal				0.0	\$0	\$0	\$0
Personnel				0.0	\$0	\$0	\$0
Inspection/Reporting/Sampling				0.0	\$0	\$0	\$0
Supplies/equipment				0.0	\$0	\$0	\$0
Financial Assurance [2]				0.0	\$0	\$0	\$0
ONE-TIME avoided costs [3]				0.0	\$0	\$0	\$0
Other (as needed)				0.0	\$0	\$0	\$0

Notes for AVOIDED costs

Approx. Cost of Compliance

\$1,200

TOTAL

\$0

Compliance History

Customer/Respondent/Owner-Operator:	CN600356976	The Dow Chemical Company	Classification: AVERAGE	Rating: 3.01
Regulated Entity:	RN100225945	DOW TEXAS OPERATIONS FREEPORT	Classification: AVERAGE	Site Rating: 5.26
ID Number(s):	AIR OPERATING PERMITS	ACCOUNT NUMBER		BL0082R
	AIR OPERATING PERMITS	PERMIT		1388
	AIR OPERATING PERMITS	PERMIT		2202
	AIR OPERATING PERMITS	PERMIT		2203
	AIR OPERATING PERMITS	PERMIT		2204
	AIR OPERATING PERMITS	PERMIT		2205
	AIR OPERATING PERMITS	PERMIT		2206
	AIR OPERATING PERMITS	PERMIT		2207
	AIR OPERATING PERMITS	PERMIT		2208
	AIR OPERATING PERMITS	PERMIT		2209
	AIR OPERATING PERMITS	PERMIT		2210
	AIR OPERATING PERMITS	PERMIT		2211
	AIR OPERATING PERMITS	PERMIT		2212
	AIR OPERATING PERMITS	PERMIT		2213
	AIR OPERATING PERMITS	PERMIT		2214
	AIR OPERATING PERMITS	PERMIT		2215
	AIR OPERATING PERMITS	PERMIT		2216
	AIR OPERATING PERMITS	PERMIT		2217
	AIR OPERATING PERMITS	PERMIT		2218
	AIR OPERATING PERMITS	PERMIT		2219
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	AIR OPERATING PERMITS	PERMIT		2221
	AIR OPERATING PERMITS	PERMIT		2311
	AIR OPERATING PERMITS	PERMIT		2313
	AIR OPERATING PERMITS	PERMIT		2697
	AIR OPERATING PERMITS	PERMIT		N041
	PUBLIC WATER SYSTEM/SUPPLY	REGISTRATION		0200535
	PUBLIC WATER SYSTEM/SUPPLY	REGISTRATION		0200232
	PUBLIC WATER SYSTEM/SUPPLY	REGISTRATION		0200027
	WASTEWATER	PERMIT		WQ0000007000
	WASTEWATER	PERMIT		TPDES0006483
	WASTEWATER	PERMIT		TX0006483
	WASTEWATER	PERMIT		TPDES0006484
	WASTEWATER	PERMIT		TX0059447000
	INDUSTRIAL AND HAZARDOUS WASTE GENERATION	EPA ID		TXD008092793
	INDUSTRIAL AND HAZARDOUS WASTE GENERATION	SOLID WASTE REGISTRATION # (SWR)		30106
	INDUSTRIAL AND HAZARDOUS WASTE STORAGE	PERMIT		50161
	INDUSTRIAL AND HAZARDOUS WASTE STORAGE	PERMIT		50161
	UNDERGROUND INJECTION CONTROL	PERMIT		WDW059
	UNDERGROUND INJECTION CONTROL	PERMIT		WDW071
	UNDERGROUND INJECTION CONTROL	PERMIT		WDW076
	UNDERGROUND INJECTION CONTROL	PERMIT		WDW081
	PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION		38910
	AIR NEW SOURCE PERMITS	PERMIT		2602
	AIR NEW SOURCE PERMITS	REGISTRATION		71888
	AIR NEW SOURCE PERMITS	REGISTRATION		72132
	AIR NEW SOURCE PERMITS	PERMIT		5340
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	AIR NEW SOURCE PERMITS	PERMIT		6383
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AIR NEW SOURCE PERMITS	PERMIT	46568
AIR NEW SOURCE PERMITS	PERMIT	46658
AIR NEW SOURCE PERMITS	PERMIT	46682
AIR NEW SOURCE PERMITS	PERMIT	46767
AIR NEW SOURCE PERMITS	PERMIT	46798
AIR NEW SOURCE PERMITS	PERMIT	46911
AIR NEW SOURCE PERMITS	PERMIT	46987
AIR NEW SOURCE PERMITS	PERMIT	47095
AIR NEW SOURCE PERMITS	PERMIT	47092
AIR NEW SOURCE PERMITS	PERMIT	47203
AIR NEW SOURCE PERMITS	PERMIT	47114
AIR NEW SOURCE PERMITS	PERMIT	47374
AIR NEW SOURCE PERMITS	PERMIT	47347
AIR NEW SOURCE PERMITS	PERMIT	47352
AIR NEW SOURCE PERMITS	PERMIT	47564
AIR NEW SOURCE PERMITS	PERMIT	47970

AIR NEW SOURCE PERMITS	PERMIT	48027
AIR NEW SOURCE PERMITS	PERMIT	48343
AIR NEW SOURCE PERMITS	PERMIT	48337
AIR NEW SOURCE PERMITS	PERMIT	48414
AIR NEW SOURCE PERMITS	PERMIT	48567
AIR NEW SOURCE PERMITS	PERMIT	48715
AIR NEW SOURCE PERMITS	PERMIT	48478
AIR NEW SOURCE PERMITS	PERMIT	48479
AIR NEW SOURCE PERMITS	PERMIT	48813
AIR NEW SOURCE PERMITS	PERMIT	49187
AIR NEW SOURCE PERMITS	PERMIT	49235
AIR NEW SOURCE PERMITS	PERMIT	49253
AIR NEW SOURCE PERMITS	PERMIT	47314
AIR NEW SOURCE PERMITS	PERMIT	49685
AIR NEW SOURCE PERMITS	PERMIT	37957
AIR NEW SOURCE PERMITS	PERMIT	9871
AIR NEW SOURCE PERMITS	PERMIT	9938
AIR NEW SOURCE PERMITS	PERMIT	9973
AIR NEW SOURCE PERMITS	PERMIT	834
AIR NEW SOURCE PERMITS	PERMIT	13682
AIR NEW SOURCE PERMITS	PERMIT	313
AIR NEW SOURCE PERMITS	PERMIT	646
AIR NEW SOURCE PERMITS	PERMIT	1407
AIR NEW SOURCE PERMITS	PERMIT	1430
AIR NEW SOURCE PERMITS	PERMIT	1496
AIR NEW SOURCE PERMITS	PERMIT	1496B
AIR NEW SOURCE PERMITS	PERMIT	1496C
AIR NEW SOURCE PERMITS	PERMIT	2008
AIR NEW SOURCE PERMITS	PERMIT	2804
AIR NEW SOURCE PERMITS	PERMIT	49715
AIR NEW SOURCE PERMITS	PERMIT	85494
AIR NEW SOURCE PERMITS	PERMIT	49965
AIR NEW SOURCE PERMITS	PERMIT	50298
AIR NEW SOURCE PERMITS	ACCOUNT NUMBER	BL0082R
AIR NEW SOURCE PERMITS	PERMIT	941
AIR NEW SOURCE PERMITS	PERMIT	2417
AIR NEW SOURCE PERMITS	PERMIT	3941
AIR NEW SOURCE PERMITS	PERMIT	3947
AIR NEW SOURCE PERMITS	PERMIT	10770
AIR NEW SOURCE PERMITS	PERMIT	11275
AIR NEW SOURCE PERMITS	PERMIT	11832
AIR NEW SOURCE PERMITS	PERMIT	12173
AIR NEW SOURCE PERMITS	PERMIT	12755
AIR NEW SOURCE PERMITS	PERMIT	15718
AIR NEW SOURCE PERMITS	PERMIT	15988
AIR NEW SOURCE PERMITS	PERMIT	18211
AIR NEW SOURCE PERMITS	PERMIT	18320
AIR NEW SOURCE PERMITS	PERMIT	19041
AIR NEW SOURCE PERMITS	ACCOUNT NUMBER	BL0023K
AIR NEW SOURCE PERMITS	REGISTRATION	78471
AIR NEW SOURCE PERMITS	REGISTRATION	78482
AIR NEW SOURCE PERMITS	REGISTRATION	78570
AIR NEW SOURCE PERMITS	REGISTRATION	78626
AIR NEW SOURCE PERMITS	REGISTRATION	78680
AIR NEW SOURCE PERMITS	REGISTRATION	78668
AIR NEW SOURCE PERMITS	REGISTRATION	78897
AIR NEW SOURCE PERMITS	REGISTRATION	78966
AIR NEW SOURCE PERMITS	REGISTRATION	79131
AIR NEW SOURCE PERMITS	REGISTRATION	79130
AIR NEW SOURCE PERMITS	REGISTRATION	79202
AIR NEW SOURCE PERMITS	REGISTRATION	79243
AIR NEW SOURCE PERMITS	REGISTRATION	79348
AIR NEW SOURCE PERMITS	REGISTRATION	79383
AIR NEW SOURCE PERMITS	REGISTRATION	79806
AIR NEW SOURCE PERMITS	REGISTRATION	79920
AIR NEW SOURCE PERMITS	REGISTRATION	80240
AIR NEW SOURCE PERMITS	REGISTRATION	80161
AIR NEW SOURCE PERMITS	REGISTRATION	80372
AIR NEW SOURCE PERMITS	REGISTRATION	80360

AIR NEW SOURCE PERMITS	REGISTRATION	80380
AIR NEW SOURCE PERMITS	REGISTRATION	80624
AIR NEW SOURCE PERMITS	EPA ID	PSDTX999
AIR NEW SOURCE PERMITS	REGISTRATION	81207
AIR NEW SOURCE PERMITS	REGISTRATION	81275
AIR NEW SOURCE PERMITS	REGISTRATION	81271
AIR NEW SOURCE PERMITS	REGISTRATION	81267
AIR NEW SOURCE PERMITS	REGISTRATION	81301
AIR NEW SOURCE PERMITS	REGISTRATION	81302
AIR NEW SOURCE PERMITS	REGISTRATION	81582
AIR NEW SOURCE PERMITS	REGISTRATION	81724
WATER LICENSING	LICENSE	0200232
WASTEWATER LICENSING	LICENSE	WQ0000007000
INDUSTRIAL AND HAZARDOUS WASTE COMPLIANCE PLANS	PERMIT	50161
IHW CORRECTIVE ACTION	SOLID WASTE REGISTRATION # (SWR)	30106

Location: 2301 N BRAZOSPORT BLVD, FREEPORT, TX, 77541 Rating Date: September 01 06 Repeat Violator: NO

TCEQ Region: REGION 12 - HOUSTON

Date Compliance History Prepared: May 01, 2007

Agency Decision Requiring Compliance History: Enforcement

Compliance Period: March 01, 2002 to March 01, 2007

TCEQ Staff Member to Contact for Additional Information Regarding this Compliance History

Name: Kimberly Morales Phone: (713) 422-8938

Site Compliance History Components

1. Has the site been in existence and/or operation for the full five year compliance period? Yes
2. Has there been a (known) change in ownership of the site during the compliance period? No
3. If Yes, who is the current owner? N/A
4. If Yes, who was/were the prior owner(s)? N/A
5. When did the change(s) in ownership occur? N/A

Components (Multimedia) for the Site :

- A. Final Enforcement Orders, court judgements, and consent decrees of the state of Texas and the federal government.
- Effective Date: 03/22/2002 ADMINORDER 2001-0854-AIR-E
 - Classification: Moderate
 - Citation: 30 TAC Chapter 101, SubChapter A 101.20(2)
30 TAC Chapter 116, SubChapter B 116.115(c)
40 CFR Chapter 61, SubChapter C, PT 61, SubPT F 61.65(b)
5C THC Chapter 382, SubChapter A 382.085(b)
 - Rqmt Prov: SC 12(A) PERMIT
 - Description: Failure to prevent a release of 3000 pounds of vinyl chloride monomer to the atmosphere.
 - Classification: Minor
 - Citation: 30 TAC Chapter 290, SubChapter E 290.51(a)(3)
5B THC Chapter 370, SubChapter B 370.008[G]
 - Description: Failure to pay outstanding Public Health Service and Toxic Chemical Release fees for Acct #'s 90200543 and 0500287 during FY 01.
 - Effective Date: 02/17/2003 ADMINORDER 2002-0689-IHW-E
 - Classification: Moderate
 - Citation: 30 TAC Chapter 335, SubChapter C 335.69(a)(1)(B)
30 TAC Chapter 335, SubChapter E 335.112(a)(9)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT C 262.34(a)(1)(ii)
40 CFR Chapter 265, SubChapter I, PT 265, SubPT J 265.193(b)
40 CFR Chapter 265, SubChapter I, PT 265, SubPT J 265.193(f)
 - Description: Failure to provide a secondary containment for ancillary piping having threaded connections for valves, gauges, and joints.
 - Effective Date: 11/11/2004 ADMINORDER 2003-0947-AIR-E
 - Classification: Moderate
 - Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)
 - Rqmt Prov: 46429 PERMIT

Description: Failure to demonstrate a VOC DRE of at least 99.99% as required by Permit No. 46429, SC 8.

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)(2)[G]
30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: 46429 MAERT PERMIT

Description: Failure to demonstrate compliance with VOC #/hr emission limits as required by Permit 46429 MAERT.

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: 46429 SC14 PERMIT

Description: Failure to provide a compliance test for NOx as specified in 40CFR60, Appendix A, Method 7E, § 2 as referenced to Method 6C, § 2.1 and 2.2.

3. Failure to provide a compliance test for NOx as specified in 40CFR60, Appendix A, Method 7E, § 2 as referenced to Method 6C, § 2.1 and 2.2.

Effective Date: 08/07/2005

ADMINORDER 2004-0572-AIR-E

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: TCEQ Air Permit #X-7386, SC#1 PERMIT

Description: Failed to prevent the premature failure of Primary Reactor R-1 rupture disk which resulted in the release of unauthorized emissions.

Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: NSR Permit 3301, Special Condition #9 PERMIT

Description: Failed to maintain logs whenever a chlorine leak is discovered in the unit.

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: NSR Permit 4022, Special Condition #7 PERMIT

Description: Failed to maintain a minimum of at least 8 weight percent caustic concentration in the series-operated D-206A/T-206A Scrubbers.

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: NSR Permit 3301, Special Condition #1 PERMIT

Description: Failed to adhere to the permitted limit in tons per year (EPN No. B47F1) for CO during CY 2002.

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 116, SubChapter B 116.116(a)[G]
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: NSR Permit 4021, Special Condition #9 PERMIT

Description: Failed to operate the tail gas back-up-scrubber (EPN No. B22SV31) exclusively within the conditions of the permit.

Effective Date: 04/14/2006

ADMINORDER 2005-0716-AIR-E

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter G 116.715(a)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: TCEQ Flex Air Permit No. 20432, SC III-1 PERMIT

Description: Failed to prevent unauthorized emissions of 2,372.99 pounds (lbs) of volatile organic compounds (VOCs), 2,753.36 lbs of carbon monoxide (CO), and 100% opacity.

Classification: Minor

Citation: 30 TAC Chapter 101, SubChapter F 101.201(a)(1)[G]
5C THC Chapter 382, SubChapter A 382.085(b)

Description: Failed to submit an initial report within 24 hours after the discovery of an emissions event.

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: Permit 834, Special Condition 1 PERMIT

Description: Failed to prevent unauthorized emissions of 1,174 pounds lbs of VOCs.

Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: NSR Permit No. 5340, Special Condition 1 PERMIT
 Description: Failed to prevent unauthorized emissions of 443.94 pounds lbs of VOCs.
 Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: TCEQ Air Permit #20996, SC #1 PERMIT
 Description: Failed to prevent unauthorized emissions of 66.64 lbs of 1,2-butylene oxide, 3,905.8 lbs of VOCs, 482.98 lbs of ethylene oxide, and 22.54 lbs of propylene oxide.
 Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: NSR Permit 48813, Special Condition 1 PERMIT
 Description: Failed to prevent unauthorized emissions of 1,893 lbs VOCs.

B. Any criminal convictions of the state of Texas and the federal government.

N/A

C. Chronic excessive emissions events.

N/A

D. The approval dates of investigations. (CCEDS Inv. Track. No.)

1	03/20/2002	(159589)
2	04/30/2002	(159594)
3	05/20/2002	(159598)
4	06/25/2002	(159602)
5	07/03/2002	(4135)
6	07/09/2002	(2159)
7	07/17/2002	(4563)
8	07/19/2002	(4762)
9	07/19/2002	(4827)
10	07/19/2002	(5014)
11	07/19/2002	(5209)
12	07/29/2002	(159606)
13	07/31/2002	(5786)
14	07/31/2002	(6169)
15	08/07/2002	(7213)
16	08/07/2002	(7201)
17	08/07/2002	(7186)
18	08/09/2002	(7520)
19	08/13/2002	(8036)
20	08/14/2002	(7906)
21	08/15/2002	(6894)
22	08/15/2002	(7525)
23	08/15/2002	(7533)
24	08/15/2002	(7408)
25	08/16/2002	(7720)
26	08/16/2002	(8175)
27	08/16/2002	(7857)
28	08/19/2002	(4885)
29	08/19/2002	(6722)
30	08/20/2002	(7588)
31	08/23/2002	(4928)
32	08/25/2002	(8609)
33	08/26/2002	(159609)
34	08/27/2002	(9435)
35	08/27/2002	(9436)
36	08/31/2002	(10381)
37	08/31/2002	(8599)
38	08/31/2002	(4886)
39	09/04/2002	(9088)
40	09/05/2002	(10360)
41	09/25/2002	(159612)
42	09/26/2002	(12350)
43	09/26/2002	(11829)
44	09/30/2002	(7575)
45	10/11/2002	(11055)
46	10/15/2002	(12337)

47	10/16/2002	(12820)
48	10/16/2002	(12725)
49	10/24/2002	(159615)
50	10/29/2002	(14541)
51	10/30/2002	(10265)
52	11/18/2002	(12073)
53	11/27/2002	(159619)
54	12/09/2002	(14830)
55	12/17/2002	(15107)
56	12/19/2002	(18859)
57	12/23/2002	(159623)
58	01/03/2003	(15110)
59	01/27/2003	(21017)
60	01/27/2003	(21168)
61	01/31/2003	(159627)
62	02/03/2003	(286198)
63	02/03/2003	(285652)
64	02/12/2003	(22520)
65	02/28/2003	(26378)
66	02/28/2003	(159586)
67	03/04/2003	(26394)
68	03/06/2003	(26396)
69	03/07/2003	(21400)
70	03/20/2003	(23813)
71	03/21/2003	(159590)
72	04/14/2003	(27517)
73	04/28/2003	(159595)
74	05/19/2003	(159599)
75	05/19/2003	(28851)
76	05/27/2003	(29063)
77	05/28/2003	(31177)
78	05/28/2003	(31159)
79	05/30/2003	(60877)
80	06/23/2003	(35416)
81	06/24/2003	(60303)
82	06/26/2003	(60783)
83	06/30/2003	(35785)
84	07/02/2003	(35418)
85	07/23/2003	(296010)
86	07/26/2003	(61449)
87	07/30/2003	(133869)
88	07/31/2003	(33803)
89	08/04/2003	(36623)
90	08/07/2003	(61967)
91	08/08/2003	(159603)
92	08/14/2003	(150122)
93	08/15/2003	(140682)
94	08/19/2003	(150391)
95	08/21/2003	(151151)
96	08/22/2003	(150711)
97	08/25/2003	(151529)
98	08/26/2003	(296012)
99	08/29/2003	(152748)
100	08/29/2003	(151240)
101	08/30/2003	(152221)
102	08/30/2003	(149187)
103	09/04/2003	(247717)
104	09/17/2003	(248098)
105	10/01/2003	(250440)
106	10/01/2003	(296014)
107	10/01/2003	(250457)
108	10/23/2003	(296016)
109	10/31/2003	(253956)
110	11/12/2003	(254614)
111	11/24/2003	(296017)
112	11/26/2003	(250021)
113	11/30/2003	(126059)
114	11/30/2003	(249732)

115	12/15/2003	(254080)
116	12/24/2003	(296018)
117	01/09/2004	(254701)
118	01/09/2004	(253974)
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121	02/03/2004	(257672)
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123	02/05/2004	(260440)
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125	02/11/2004	(260442)
126	02/11/2004	(260085)
127	02/11/2004	(260441)
128	02/23/2004	(260927)
129	02/26/2004	(296001)
130	03/10/2004	(261603)
131	03/10/2004	(264415)
132	03/15/2004	(262011)
133	03/15/2004	(261999)
134	03/15/2004	(261987)
135	03/22/2004	(263436)
136	03/22/2004	(296004)
137	03/29/2004	(264628)
138	03/30/2004	(264622)
139	04/12/2004	(264619)
140	04/13/2004	(265611)
141	04/19/2004	(296006)
142	04/23/2004	(265028)
143	04/23/2004	(258324)
144	04/29/2004	(255279)
145	04/30/2004	(255002)
146	04/30/2004	(254073)
147	05/12/2004	(257994)
148	05/14/2004	(248280)
149	05/14/2004	(263118)
150	05/17/2004	(253533)
151	05/24/2004	(31438)
152	05/26/2004	(352355)
153	05/26/2004	(258253)
154	06/01/2004	(254581)
155	06/02/2004	(272991)
156	06/03/2004	(258305)
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158	06/28/2004	(352356)
159	06/30/2004	(266880)
160	06/30/2004	(267508)
161	06/30/2004	(267938)
162	07/06/2004	(258308)
163	07/07/2004	(258307)
164	07/20/2004	(278387)
165	07/26/2004	(352357)
166	07/28/2004	(276490)
167	07/28/2004	(282417)
168	07/28/2004	(282469)
169	08/16/2004	(281509)
170	08/17/2004	(284165)
171	08/17/2004	(273076)
172	08/17/2004	(284292)
173	08/18/2004	(277856)
174	08/24/2004	(352358)
175	08/27/2004	(267540)
176	08/27/2004	(266751)
177	08/27/2004	(279078)
178	08/29/2004	(265955)
179	08/31/2004	(272564)
180	08/31/2004	(273678)
181	08/31/2004	(273416)
182	08/31/2004	(273127)

183	08/31/2004	(273881)
184	08/31/2004	(272729)
185	08/31/2004	(272789)
186	08/31/2004	(272814)
187	08/31/2004	(274129)
188	09/01/2004	(267453)
189	09/01/2004	(277902)
190	09/07/2004	(291280)
191	09/07/2004	(333240)
192	09/23/2004	(352359)
193	10/22/2004	(352360)
194	10/31/2004	(276897)
195	10/31/2004	(276789)
196	10/31/2004	(289698)
197	11/01/2004	(285137)
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201	11/04/2004	(338243)
202	11/05/2004	(334318)
203	11/05/2004	(334295)
204	11/22/2004	(335797)
205	11/24/2004	(352361)
206	12/06/2004	(284914)
207	12/10/2004	(114224)
208	12/13/2004	(339850)
209	12/13/2004	(336762)
210	12/13/2004	(334315)
211	12/16/2004	(285097)
212	12/16/2004	(286819)
213	12/16/2004	(114225)
214	12/16/2004	(289573)
215	12/17/2004	(286731)
216	12/17/2004	(339587)
217	12/17/2004	(338429)
218	12/20/2004	(339119)
219	12/20/2004	(339116)
220	12/21/2004	(334606)
221	12/22/2004	(289575)
222	12/22/2004	(289567)
223	12/23/2004	(381958)
224	12/28/2004	(251988)
225	12/28/2004	(256034)
226	12/31/2004	(338842)
227	01/05/2005	(285365)
228	01/06/2005	(339121)
229	01/07/2005	(338837)
230	01/07/2005	(339147)
231	01/07/2005	(339138)
232	01/07/2005	(339177)
233	01/09/2005	(339130)
234	01/14/2005	(338682)
235	01/17/2005	(249734)
236	01/21/2005	(337408)
237	01/21/2005	(381959)
238	01/27/2005	(347186)
239	01/31/2005	(347857)
240	01/31/2005	(347762)
241	01/31/2005	(347883)
242	02/01/2005	(347843)
243	02/21/2005	(337409)
244	02/21/2005	(344830)
245	02/21/2005	(337411)
246	02/21/2005	(345433)
247	02/21/2005	(345507)
248	02/21/2005	(344930)
249	02/23/2005	(346354)
250	02/23/2005	(346345)

251	02/24/2005	(339179)
252	02/25/2005	(345303)
253	02/28/2005	(381956)
254	03/02/2005	(372448)
255	03/07/2005	(372291)
256	03/07/2005	(372281)
257	03/10/2005	(346208)
258	03/18/2005	(346350)
259	03/18/2005	(346346)
260	03/21/2005	(346710)
261	03/22/2005	(346347)
262	03/23/2005	(347781)
263	03/28/2005	(381957)
264	04/01/2005	(345046)
265	04/08/2005	(347573)
266	05/04/2005	(347119)
267	05/04/2005	(338714)
268	05/06/2005	(376209)
269	05/10/2005	(346362)
270	05/17/2005	(376212)
271	05/17/2005	(376280)
272	05/17/2005	(376237)
273	05/20/2005	(392573)
274	05/23/2005	(262475)
275	05/23/2005	(345033)
276	05/23/2005	(376200)
277	05/24/2005	(380324)
278	05/27/2005	(379484)
279	05/27/2005	(374664)
280	05/31/2005	(346355)
281	06/02/2005	(376058)
282	06/02/2005	(376059)
283	06/14/2005	(375259)
284	06/14/2005	(350783)
285	06/15/2005	(380845)
286	06/17/2005	(376522)
287	06/22/2005	(350704)
288	06/24/2005	(396413)
289	06/24/2005	(396517)
290	06/28/2005	(376054)
291	06/29/2005	(347598)
292	07/01/2005	(378760)
293	07/08/2005	(376056)
294	07/11/2005	(393361)
295	07/12/2005	(393369)
296	07/13/2005	(397022)
297	07/21/2005	(393364)
298	07/22/2005	(397876)
299	07/22/2005	(397878)
300	07/22/2005	(397880)
301	07/22/2005	(397881)
302	07/28/2005	(380321)
303	08/04/2005	(398933)
304	08/05/2005	(398937)
305	08/05/2005	(396199)
306	08/05/2005	(393374)
307	08/08/2005	(396518)
308	08/11/2005	(377164)
309	08/12/2005	(285295)
310	08/15/2005	(398936)
311	08/15/2005	(393373)
312	08/19/2005	(404732)
313	08/19/2005	(393378)
314	08/22/2005	(396197)
315	08/24/2005	(403273)
316	08/25/2005	(404533)
317	08/25/2005	(397853)
318	08/29/2005	(398935)

319	08/30/2005	(398938)
320	09/01/2005	(403238)
321	09/12/2005	(406575)
322	09/14/2005	(431669)
323	09/28/2005	(406914)
324	09/28/2005	(402693)
325	09/30/2005	(402695)
326	10/05/2005	(374026)
327	10/26/2005	(432895)
328	10/26/2005	(432986)
329	10/26/2005	(432935)
330	10/26/2005	(431242)
331	10/26/2005	(432043)
332	10/26/2005	(432097)
333	11/15/2005	(435315)
334	11/30/2005	(373986)
335	11/30/2005	(435278)
336	12/30/2005	(433116)
337	01/10/2006	(436188)
338	01/17/2006	(376062)
339	01/27/2006	(436181)
340	02/03/2006	(436165)
341	02/07/2006	(436297)
342	02/09/2006	(435249)
343	02/27/2006	(436730)
344	02/27/2006	(453320)
345	03/02/2006	(431805)
346	03/17/2006	(340573)
347	03/23/2006	(436917)
348	03/23/2006	(433180)
349	03/24/2006	(374721)
350	03/28/2006	(436841)
351	03/31/2006	(436922)
352	03/31/2006	(454296)
353	04/11/2006	(454294)
354	04/17/2006	(459765)
355	04/17/2006	(454234)
356	04/17/2006	(436288)
357	04/17/2006	(433179)
358	04/19/2006	(459137)
359	04/26/2006	(433177)
360	05/09/2006	(459139)
361	05/11/2006	(459075)
362	05/11/2006	(459108)
363	05/11/2006	(289568)
364	05/17/2006	(462138)
365	05/17/2006	(461234)
366	05/17/2006	(463636)
367	05/17/2006	(465607)
368	05/24/2006	(466817)
369	05/25/2006	(462747)
370	05/25/2006	(462749)
371	05/25/2006	(462949)
372	05/31/2006	(457316)
373	06/15/2006	(481001)
374	06/22/2006	(458889)
375	07/14/2006	(457318)
376	07/14/2006	(486688)
377	07/14/2006	(484040)
378	07/14/2006	(480854)
379	07/14/2006	(480399)
380	07/14/2006	(480559)
381	07/14/2006	(485731)
382	07/17/2006	(462746)
383	07/17/2006	(462748)
384	07/17/2006	(482291)
385	07/18/2006	(481382)
386	07/21/2006	(482501)

387	07/21/2006	(457258)
388	08/07/2006	(466313)
389	08/07/2006	(438858)
390	08/08/2006	(479807)
391	08/11/2006	(457284)
392	08/11/2006	(247956)
393	08/14/2006	(483129)
394	08/14/2006	(483077)
395	08/14/2006	(483124)
396	08/15/2006	(489783)
397	08/15/2006	(490271)
398	08/15/2006	(462106)
399	08/18/2006	(465699)
400	08/18/2006	(483113)
401	08/18/2006	(480155)
402	08/18/2006	(338817)
403	08/18/2006	(338822)
404	08/22/2006	(490091)
405	08/22/2006	(484727)
406	08/23/2006	(509637)
407	08/23/2006	(457315)
408	08/23/2006	(457302)
409	08/23/2006	(484737)
410	08/25/2006	(509011)
411	08/25/2006	(484732)
412	08/28/2006	(484741)
413	08/28/2006	(497117)
414	08/28/2006	(490104)
415	08/31/2006	(457309)
416	09/01/2006	(487866)
417	09/01/2006	(489802)
418	09/01/2006	(509414)
419	09/01/2006	(509787)
420	09/01/2006	(509679)
421	09/01/2006	(508889)
422	09/01/2006	(497542)
423	09/01/2006	(487340)
424	09/01/2006	(489195)
425	09/07/2006	(510182)
426	09/07/2006	(510901)
427	09/08/2006	(489713)
428	09/08/2006	(489814)
429	09/08/2006	(490187)
430	09/08/2006	(490183)
431	09/08/2006	(510155)
432	09/18/2006	(509863)
433	09/29/2006	(513116)
434	10/11/2006	(512347)
435	10/12/2006	(515784)
436	10/12/2006	(515660)
437	10/25/2006	(509774)
438	10/25/2006	(516468)
439	10/30/2006	(512117)
440	10/30/2006	(509665)
441	11/07/2006	(516999)
442	11/07/2006	(516589)
443	11/08/2006	(515899)
444	11/10/2006	(517068)
445	11/15/2006	(518266)
446	11/21/2006	(519005)
447	11/28/2006	(340237)
448	11/30/2006	(532072)
449	11/30/2006	(519472)
450	12/04/2006	(518693)
451	12/04/2006	(518648)
452	12/04/2006	(518746)
453	12/04/2006	(518847)
454	12/05/2006	(518987)

455 12/05/2006 (519433)
 456 12/05/2006 (518994)
 457 12/07/2006 (532408)
 458 12/12/2006 (532985)
 459 12/13/2006 (512466)
 460 12/15/2006 (512613)
 461 12/18/2006 (512614)
 462 12/20/2006 (512546)
 463 12/20/2006 (518862)
 464 01/03/2007 (533504)
 465 01/08/2007 (533024)
 466 01/08/2007 (535581)
 467 01/16/2007 (535585)
 468 01/17/2007 (537051)
 469 01/18/2007 (512465)
 470 01/19/2007 (532798)
 471 01/19/2007 (532792)
 472 01/19/2007 (535582)
 473 01/19/2007 (535584)
 474 01/19/2007 (535587)
 475 01/25/2007 (535586)
 476 02/14/2007 (537570)
 477 02/15/2007 (532539)
 478 02/16/2007 (532501)
 479 02/16/2007 (538485)
 480 02/20/2007 (537571)
 481 02/27/2007 (518917)
 482 02/28/2007 (540981)

E. Written notices of violations (NOV). (CCEDS Inv. Track. No.)

Date: 08/20/2002 (7575)
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 101, SubChapter A 101.20(1)
 30 TAC Chapter 115, SubChapter D 115.354(1)(B)
 30 TAC Chapter 116, SubChapter B 116.115(c)[G]
 40 CFR Part 60, Subpart VV 60.482-7[G]
 Description: 8 difficult to monitor valves were not monitored during the year 1999, as required by rules.
 Self Report? NO Classification: Moderate
 Citation: TEXAS HEALTH AND SAFETY CODE 382.085
 Description: RE failed to control emissions on February 08, 2001 from KR-5 Kettle sample point, Incident No. 20051. This constitutes a violation of Texas Safety and Health CODE § 382.085(a),
 Date: 08/31/2002 (159612)
 Self Report? YES Classification: Moderate
 Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)
 TWC Chapter 26 26.121(a)[G]
 Description: Failure to meet the limit for one or more permit parameter
 Date: 09/30/2002 (159615)
 Self Report? YES Classification: Moderate
 Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)
 TWC Chapter 26 26.121(a)[G]
 Description: Failure to meet the limit for one or more permit parameter
 Date: 10/31/2002 (159619)
 Self Report? YES Classification: Moderate
 Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)
 TWC Chapter 26 26.121(a)[G]
 Description: Failure to meet the limit for one or more permit parameter
 Date: 11/30/2002 (159623)
 Self Report? YES Classification: Moderate
 Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)
 TWC Chapter 26 26.121(a)[G]
 Description: Failure to meet the limit for one or more permit parameter
 Date: 12/31/2002 (159627)
 Self Report? YES Classification: Moderate
 Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)
 TWC Chapter 26 26.121(a)[G]
 Description: Failure to meet the limit for one or more permit parameter
 Date: 12/31/2002 (15110)

Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 101, SubChapter F 101.222(b)(9) 5C THC Chapter 382, SubChapter A 382.085(a)		
Description:	Failure to control emissions.		
Date:	03/05/2003 (26396)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 290, SubChapter D 290.46(e)(3)[G]		
Description:	Failure to have at least a B-surface water operator.		
Date:	03/05/2003 (26394)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 290, SubChapter D 290.46(e)(3)[G]		
Description:	Failure to have proper grade of licensed operator.		
Date:	04/30/2003 (159599)		
Self Report?	YES	Classification:	Moderate
Citation:	30 TAC Chapter 305, SubChapter F 305.125(1) TWC Chapter 26 26.121(a)[G]		
Description:	Failure to meet the limit for one or more permit parameter		
Date:	05/24/2003 (29063)		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 101, SubChapter F 101.201(a)(2)(D) 30 TAC Chapter 101, SubChapter F 101.201(a)(2)[G] 30 TAC Chapter 116, SubChapter G 116.715(a)		
Description:	Dow failed to report the emissions and quantities by facility per 30 TAC 101.201(2)(G).		
Date:	05/30/2003 (60877)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 335, SubChapter A 335.6(c)[G]		
Description:	Notification updates under TAC 335.6 are required.		
Date:	06/30/2003 (296010)		
Self Report?	YES	Classification:	Moderate
Citation:	30 TAC Chapter 305, SubChapter F 305.125(1). TWC Chapter 26 26.121(a)[G]		
Description:	Failure to meet the limit for one or more permit parameter		
Date:	07/25/2003 (133869)		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 305, SubChapter F 305.125(1)		
Description:	Failure to maintain compliance with the permit effluent limits, at outfall 601, for the daily-maximum pounds/day of zinc.		
Date:	08/07/2003 (61967)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c)		
Description:	Failure to prevent the release of 1,202 lbs of unauthorized ethylene emissions.		
Date:	08/29/2003 (151240)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(b)(1)		
Description:	Failure to prevent the release of unauthorized emissions during an emissions event.		
Date:	08/30/2003 (152221)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(b)(1)		
Description:	Failure to control VOC emissions during an emissions event.		
Date:	08/31/2003 (296014)		
Self Report?	YES	Classification:	Moderate
Citation:	30 TAC Chapter 305, SubChapter F 305.125(1) TWC Chapter 26 26.121(a)[G]		
Description:	Failure to meet the limit for one or more permit parameter		
Date:	09/30/2003 (296016)		
Self Report?	YES	Classification:	Moderate
Citation:	30 TAC Chapter 305, SubChapter F 305.125(1) TWC Chapter 26 26.121(a)[G]		
Description:	Failure to meet the limit for one or more permit parameter		
Date:	11/30/2003 (249732)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 101, SubChapter F 101.201(a)(1)(B) 30 TAC Chapter 116, SubChapter B 116.115(b)(1)		
Description:	Dow failed to report an emissions event (Investigation No. 435278) after final emissions from a scheduled maintenance event exceeded emissions reported on the Initial Notification.		

Date: 11/30/2003 (249734)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 101, SubChapter F 101.201(a)(1)(B)
 30 TAC Chapter 116, SubChapter B 116.115(b)(1)
 Description: Dow failed to notify the TCEQ when the maintenance event became an emissions event.

Date: 12/02/2003 (250021)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 Rqmt Prov: PERMIT 7531
 Description: Failure to follow Reference Method 18 when testing for methylene chloride emissions from F-732 thermal oxidizer.

Date: 01/12/2004 (253974)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.116(b)(1)(A)
 30 TAC Chapter 116, SubChapter G 116.715(a)
 Rqmt Prov: PA Flexible Permit #20432, SC #4 and # I-17
 Description: Failure to meet the minimum heating value of 300 Btu/scf for a steam-assisted flare (FS-801) in accordance with 40 CFR 60.18 when waste streams containing significant quantities of hydrogen are sent to the flare.

Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter G 116.715(c)(7)
 Description: Dow exceeded the NOx emission cap established in the Maximum Allowable Emission Rate (MAER) table under Flexible Permit # 20432 for the three emission points (EPNs B68FU1, B70FU1 and B70F801).

Date: 02/06/2004 (251940)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 Rqmt Prov: PERMIT TCEQ AIR PERMIT #21596, SC #1
 Description: Avoidable emissions event with emissions of benzene.

Date: 03/29/2004 (264622)
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 290, SubChapter D 290.45(d)(2)(B)(ii)
 Description: Failure to provide a ground storage capacity which is equal to 50% of the maximum daily demand.

Date: 03/31/2004 (296006)
 Self Report? YES Classification: Moderate
 Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)
 TWC Chapter 26 26.121(a)[G]
 Description: Failure to meet the limit for one or more permit parameter

Date: 04/29/2004 (255279)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT TCEQ Air Permit #8567 S.C.#1
 Description: Exceeded VOC permit limit during an emissions event.

Date: 04/30/2004 (254073)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 106, SubChapter D 106.124(5)(A)
 30 TAC Chapter 116, SubChapter B 116.110(a)(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Description: Exceeded VOC PBR limit during an emissions event.

Date: 06/01/2004 (254581)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 106, SubChapter K 106.261(2)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Description: Avoidable emissions event.

Date: 06/03/2004 (258305)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.18(c)(3)(ii)
 Rqmt Prov: PERMIT 1472
 OP O-02220
 Description: Failure to maintain minimum BTU requirement in gas stream to Flare A26VELR02.

Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 1472

OP O-02220
 Description: Failure to maintain the minimum operating temperature in Waste Gas Boiler EPN A26S500.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 1472
 OP O-02220
 Description: Exceedance of permitted fill/drain rates for Tank D-275, Tank D-550 and Tank D-20M.
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)(2)(G)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 1472
 OP O-02220
 Description: Exceedance of MAERs for Tank R-1B and Tank D-15C.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 1472
 OP O-02220
 Description: Failure to use submerged fill loading for railcar equipment A26VELR02 and drum loading equipment A26VELR04.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 1472
 OP O-02220
 Description: Failure to equip open-ended valve with a plug.
 Date: 06/30/2004 (352357)
 Self Report? YES Classification: Moderate
 Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)
 TWC Chapter 26 26.121(a)[G]
 Description: Failure to meet the limit for one or more permit parameter
 Date: 07/12/2004 (258308)
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV 60.482-6(a)(1)
 Rqmt Prov: PERMIT 18561
 OP O-02221
 Description: Failure to cap open-ended lines.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 18561
 OP O-02221
 Description: Failure to maintain partial pressure records.
 Date: 07/12/2004 (258307)
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 122, SubChapter B 122.145(2)(A)
 Description: Failure to report a deviation in the semiannual deviation report.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 19519, Special Condition 5(E)
 PERMIT 48813, Special Condition 5(E)
 PERMIT 834, Special Condition 9(E)
 PERMIT 8567, Special Condition 8(E)
 OP O-02215
 Description: Failure to seal open-ended lines.
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 115, SubChapter D 115.354(2)(C)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 8567
 OP O-02215
 Description: Failure to monitor valves for fugitive emissions.
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 115, SubChapter D 115.354(2)(B)

Rqmt Prov:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) PERMIT 8567 OP O-02215		
Description:	Failure to monitor pump seals for fugitive emissions.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(b)(2)(G) 30 TAC Chapter 122, SubChapter B 122.143(4)		
Rqmt Prov:	PERMIT 19519 OP O-02215		
Description:	Cooling tower emissions exceeded MAER for VOCs.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 122, SubChapter B 122.144(1)(E)		
Description:	Failure to maintain records of daily flare observations.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 106, SubChapter K 106.262(4) 30 TAC Chapter 122, SubChapter B 122.143(4)		
Rqmt Prov:	OP O-02215		
Description:	Late submittal of PBR registration.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.18(c)(3)(ii)		
Rqmt Prov:	PERMIT 834 OP O-02215		
Description:	Failure to maintain minimum BTU requirement in feed stream to flare.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter D 115.352(2) 30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4)		
Rqmt Prov:	PERMIT 19519, Special Condition 5(I) PERMIT 48813, Special Condition 5(I) PERMIT 6803, Special Condition 8(I) PERMIT 8567, Special Condition 8(H) OP O-02215		
Description:	Failure to re-monitor fugitive components within 15 days.		
Date:	08/27/2004 (267540)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT TCEQ Air Permit #21596, SC #1		
Description:	Exceeded VOC permit limit during an avoidable emissions event.		
Date:	08/27/2004 (266751)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT TCEQ Air Permit #21596, SC #1		
Description:	Dow exceeded VOC permit limit during an avoidable emissions event.		
Date:	08/29/2004 (265955)		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(b)(1) 5C THC Chapter 382, SubChapter A 382.085(b)		
Description:	Exceeded HCL permit limit.		
Date:	11/05/2004 (338243)		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 101, SubChapter A 101.20(2) 30 TAC Chapter 115, SubChapter B 115.126(1)(A)(I) 30 TAC Chapter 116, SubChapter B 116.115(b)(2) 30 TAC Chapter 122, SubChapter B 122.143(4) 40 CFR Chapter 63, SubChapter C, PT 63, SubPT U 63.506(d)		
Rqmt Prov:	PA NSR Permit #3320, General Provision #5 OP Special Term & Condition #6A		
Description:	Failure to maintain continuous data records of thermal oxidizer (EPN B20TOX) firebox temperature on 8/27/2003; 3/3/2004 and 7/6/2004.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 122, SubChapter B 122.143(4)		
Rqmt Prov:	OP Special Term and Condition #5		
Description:	Failure to maintain working pressure data of Acrylonitrile Storage Tank D-121A on 8/27/2003; 3/3/2004 and 7/6/2004.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter D 115.352(2)		

Rqmt Prov: 30 TAC Chapter 122, SubChapter B 122.143(4)
 OP Special Term and Condition #1A
 Description: Failure to monitor with an instrument after repair a leaking component found via AVO inspection on 11/14/2003 and 1/3/2004.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 101, SubChapter A 101.20(2)
 30 TAC Chapter 115, SubChapter D 115.356(2)(F)(iii)
 30 TAC Chapter 115, SubChapter D 115.356(2)(F)(iv)
 30 TAC Chapter 116, SubChapter B 116.115(b)(2)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.181(d)(2)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.181(d)(3)

Rqmt Prov: PA NSR Permit #3320, General Provision #7K
 OP Special Term and Condition #1A
 Description: Failure to keep records of the date of first repair attempt and date of leak repair for two leaking valves.
 Date: 11/22/2004 (335797)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: OP O-02210, SC No. 10
 PA Permit No. 7531, SC No. 1
 Description: Unauthorized emissions which could have been avoided by good design, operation or maintenance practices.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(2)

Rqmt Prov: OP O-02210, SC No. 10
 PA Permit No. 7531, SC No. 3E.
 Description: Failure to cap or plug open-ended lines per the Permit No. 7531, SC No. 3E
 Date: 12/16/2004 (289573)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(a)
 5C THC Chapter 382, SubChapter A 382.085(b)

Description: Failure to report an emissions event within 24 hours following incident 35402
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 101, SubChapter F 101.201(a)(1)(B)
 Description: Failed to report an emissions event within 24 hours during Incident 35402
 Date: 12/22/2004 (289567)

Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT 5340
 Description: Incident 40337 was an avoidable emissions event.
 Date: 12/28/2004 (334606)

Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1)

Rqmt Prov: PERMIT 2472, SC 9E
 PERMIT 2773, SC12E
 OP O-02206, SC 1A and SC 12
 Description: Failure to plug open ended valves.
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: PERMIT 770, SC 1
 OP O-02206, SC 12
 Description: THROX unit exceeded CO MAER.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: PERMIT 770, SC 6
 OP O-02206, SC 12
 Description: Exceeded vinyl chloride average feedrate limit.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: PERMIT 770, SC 18

Description: OP O-02206, SC 12
 Exceeded firebox temperatures for THROX & TOX
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 770, SC 17
 OP O-02206, SC 12

Description: Flowmeters on vent stream to TOX not operational.
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 770, SC 1
 OP O-02206, SC 12

Description: Flare A32CSF1 exceeded hourly VOC MAER
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.168(d)(4)
 Rqmt Prov: PERMIT 2472, SC 9F
 PERMIT 2773, SC 12F
 OP O-02206, SC 1A and SC 12

Description: Failure to monitor valves and pressure sensing devices
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.174(b)(3)(iii)
 Rqmt Prov: OP O-02206, SC 1A

Description: Failure to monitor connectors
 Date: 12/28/2004 (256034)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT 941

Description: Incident 7827 was an avoidable emissions event.
 Date: 12/31/2004 (338842)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 101, SubChapter F 101.201(a)(2)(H)
 30 TAC Chapter 101, SubChapter F 101.201(c)

Description: Dow failed to report accurately. Avoidable emissions event during Incident 43280.
 Self Report? NO Classification: Major
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(a)
 30 TAC Chapter 116, SubChapter B 116.115(b)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT TCEQ Air Permit No. 48479 SC 1 and 4

Description: Incident #43280 was avoidable.
 Date: 12/31/2004 (381959)
 Self Report? YES Classification: Moderate
 Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)
 TWC Chapter 26 26.121(a)[G]

Description: Failure to meet the limit for one or more permit parameter
 Date: 01/14/2005 (338682)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: OP FOP O-02214, Spec Terms/Cond. 1.D.
 PERMIT Standard Permit #49187

Description: Dow exceeded the hourly emission limit for CO on unit B246PGT62 as authorized by Standard Permit (SP) 49187, at the following times:
 a) 8/13/03, 16:00 to 17:00, release of 290.38 lbs/hr, an exceedence of 213%
 b) 7/1/04, 19:00 to 20:00, release of 129 lbs/hr, an exceedence of 39%
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: OP FOP O-02214, Spec. Terms/Conds. #1.D.
 PERMIT Standard Permit #49187

Description: Dow exceeded the hourly emission limit for NOx on unit B246PGT62 as authorized by the Standard Permit (SP) 49187 limit of 38.3 lbs/hr, at eight (8) documented times.
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)(2)(G)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: OP FOP O-02214, Spec. Terms/Conds. #1.A.
 PERMIT NSR Permit #9044, Gen. Conditions #8

Description: Dow exceeded the hourly emission limit for NOx on unit B246PGT63 as

authorized by the NSR Permit 9044 limit of 585 lbs/hr, on 1/6/04, from 11:00 to 12:00, with a release of 590.89 lbs/hr, an exceedence of 1%.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)(2)(G)
30 TAC Chapter 122, SubChapter B 122.143(4)
Rqmt Prov: OP FOP O-2214, Spec. Terms/Conds. #1.A.
PERMIT NSR Permit #9046, Gen. Condition #8
Description: Dow exceeded the hourly emission limit for NOx on unit B246PGT66 as authorized by the NSR Permit 9046 limit of 826.99 lbs/hr, documented as eighteen (18) occurrences.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 117, SubChapter B 117.219(d)(5)
40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.7(d)
Description: Dow failed to accurately report periods of excess emissions for NOx in two semi-annual NOx RACT reports, dated January 14, 2004, and June 14, 2004.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 117, SubChapter B 117.219(d)[G]
30 TAC Chapter 122, SubChapter B 122.143(4)
40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.7(c)
Rqmt Prov: OP FOP O-02214, Spec. Terms/Cond. #1.A.
Description: Dow failed to make a timely submission of a semi-annual NOx RACT report. The deadline for the report submittal was 12/15/03, and the report was not submitted until 1/14/04.

Date: 03/23/2005 (347781)
Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 101, SubChapter A 101.20(1)
30 TAC Chapter 115, SubChapter D 115.352(4)
30 TAC Chapter 116, SubChapter B 116.115(c)
40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV 60.482-6(a)(1)
Rqmt Prov: PERMIT NSR Permit No. 37884, SC 8E
Description: Failed to seal open-ended lines.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 115, SubChapter H 115.781(b)(3)
Description: Failed to perform quarterly fugitive monitoring.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 115, SubChapter H 115.782(b)(1)
Description: Failed to attempt to repair leaks.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 115, SubChapter H 115.782(b)(2)
Description: Failed to attempt to repair leaks.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
Rqmt Prov: OP Title V Permit No. O-02313, SC 14
Description: Failed to meet risk management plan requirements.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 101, SubChapter A 101.20(1)
30 TAC Chapter 116, SubChapter B 116.115(c)
40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.18(c)(3)(ii)
Rqmt Prov: PERMIT NSR Permit No. 37884, SC 6A
Description: Failed to maintain a minimum Btu for a flare.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
Rqmt Prov: PERMIT NSR Permit No. 37884, SC 1
Description: Failed to meet maximum allowable emission rates.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 101, SubChapter F 101.201(b)
Description: Failed to create a final record of an emissions event.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
Rqmt Prov: PERMIT NSR Permit No. 37884, SC 1
Description: Failed to meet maximum allowable emission rates.
Date: 05/04/2005 (338714)

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
Rqmt Prov: OP FOP O-02205, Special Condition #9
Description: Dow failed to record the outlet gas temperature, at least weekly, of scrubber B5010SV110, for the weeks beginning 8/21/03, 10/5/03, 11/9/03, 11/30/03, 12/7/03, 12/14/03, 12/21/03, and 12/28/03.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: OP FOP O-02205, Special Condition #9
Description: Dow failed to comply with the requirement to operate the scrubber B5010SV110 under the maximum stack gas temperature of 95 degrees F.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: OP FOP O-02205, Special Condition #10
PERMIT NSR Permit #20607, Special Condition #7
Description: Dow failed to comply with the permit condition by filling a tank truck without employing the vapor balancing method from the truck to the tank.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: OP FOP O-02205, Special Condition #10
PERMIT NSR Permit #20774, Special Cond. #15.E.
Description: Dow failed to maintain caps and/or plugs on nine open-ended lines in the B5016 Contract Manufacturing Plant.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: OP FOP O-02205, Special Condition #10
PERMIT NSR Permit #20774, Spec. Cond. #9
Description: Dow failed to maintain the water flow rate minimum on Scrubber T-543 during periods of vent gas flow.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 116, SubChapter B 116.110(a)[G]
30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter A 382.05181(a)[G]
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP FOP O-02205, Gen. Terms and Conditions
Description: Dow failed to register the production processes of various Maxistab products under either a PBR or NSR permit.

Date: 05/24/2005 (380324)

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
Rqmt Prov: OP FOP O-02217, Special Condition #1
Description: Dow failed to keep monthly visual inspection records for three cold solvent degreasers.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 122, SubChapter B 122.145(2)(C)
Description: Dow failed to report eighteen deviations in the First Semi-Annual Report, reporting period October 16, 2003, through April 15, 2004.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)(2)(G)
30 TAC Chapter 122, SubChapter B 122.143(4)
Rqmt Prov: OP FOP O-02217, Special Condition #15
PERMIT NSR Permit #21596, General Condition #8
Description: Dow failed to minimize emissions on 12/24/03 by allowing absorbent pads contaminated with styrene used during a pump replacement to be discarded into a secondary containment area, which then collected rain water.

Date: 06/17/2005 (376522)

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1)
Description: Failure to equip open-ended lines with a cap or plug.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 101, SubChapter F 101.201(b)
Description: Failure to create records of five non-reportable emissions events within the required time frame.

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 116, SubChapter G 116.715(a)
Rqmt Prov: PA NSR Permit 20432, SC I-8
Description: Failure to complete pressure testing of tank trucks for loading operations.

Self Report? NO Classification: Moderate
Citation: 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.163(b)(1)
Description: Failure to monitor five pump seals monthly from March 2004 through July 2004.

Self Report? NO Classification: Moderate
Citation: 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.173(a)(1)
Description: Failure to monitor three agitators monthly from March 2004 through July 2004.

Self Report? NO Classification: Moderate
Citation: 40 CFR Chapter 61, SubChapter C, PT 61, SubPT FF 61.354(c)

Description: Failure to inspect continuous parameter monitoring data from EPNs OC3U3B901, OC3U3B902, OC3U3B903 daily from January 16, 2004 through January 29, 2004.
Failure to inspect continuous parameter monitoring data from EPNs OC3U3B901, OC3U3B902, OC3U3B903 daily from January 16, 2004 through January 29, 2004.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 115, SubChapter D 115.354(2)(C)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.168(d)(4)

Description: Failure to monitor an accessible valve in August 2004.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: OP Title V Permit O-02207, SC 13

Description: Failure to perform monthly inspection of a solvent cleaning station in October 2004.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)

Rqmt Prov: PERMIT NSR Permit 3434, SC 1

Description: Failure to meet the emission specifications for HCl, Cl2, SO2, and CO from EPNs OCD3SB901, OCD3SB902, and OCD3SB903.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter C 122.210(a)

Description: Failure to submit a Title V permit revision application to include EPN B39RX210 in the permit.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter G 116.715(a)

Rqmt Prov: PERMIT NSR Permit 20432, SC 2E

Description: Failure to equip open-ended lines with a cap or plug.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)

Rqmt Prov: PERMIT NSR Permit 21512, SC 9E

Description: Failure to equip open-ended lines with a cap or plug.
Failure to equip open-ended lines with a cap or plug.

Date: 06/29/2005 (378760)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 305, SubChapter F 305.125(1)

Description: Failure to maintain compliance with the permitted effluent limits.

Date: 07/08/2005 (376056)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT TCEQ Air Permit No. 19041, SC No. 1

Description: Dow had an avoidable emissions event during Incident 51417.

Date: 07/22/2005 (397876)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 335, SubChapter C 335.62
40 CFR Chapter 262, SubChapter I, PT 262, SubPT A 262.11(a)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT A 262.11(b)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT A 262.11(c)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT A 262.11(c)(1)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT A 262.11(c)(2)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT A 262.11(c)[G]
40 CFR Chapter 262, SubChapter I, PT 262, SubPT A 262.11(d)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT A 262.11[G]

Description: Complete hazardous waste determination is required.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 335, SubChapter A 335.6(c)

Description: NOR update required.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 335, SubChapter O 335.431(c)[G]
40 CFR Chapter 268, SubChapter I, PT 268, SubPT E 268.50(b)

Description: CSA, LDR, one year storage limit exceeded.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 335, SubChapter C 335.69(a)(1)(B)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT C 262.34(a)(1)(ii)

Description: Tank containment should be free of cracks.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 335, SubChapter C 335.69(a)(1)(B)
40 CFR Chapter 262, SubChapter I, PT 262, SubPT C 262.34(a)(1)(ii)

Description: Tank, inspection information should be documented.

Date: 08/08/2005 (396518)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Description: Dow Incident 55412 was avoidable. The incident was not excessive.
 Date: 08/15/2005 (393373)
 Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT TCEQ Air Permit 20775, SP No. 1
 Description: Dow had an avoidable emissions event during Incident 55560.
 Date: 08/15/2005 (398936)
 Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT 19519 GC No. 8
 Description: Dow had an avoidable emissions event during Incident 59062. Not an excessive event.
 Date: 08/22/2005 (404732)
 Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 4021, SC 1
 OP O-02202, SC 10
 Description: Exceedance of MAER for chlorine for T-307; Permit 4021, SC1
 Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 4021, SC 7
 OP O-02202, SC 10
 Description: Exceedance of the concentration limit for chlorine; Permit 4021, SC 7
 Date: 08/26/2005 (403273)
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 1472, SC 5
 OP O-02220, SC 7
 Description: Exceedance of permitted tank fill rate stipulated in Permit 1472, SC 5.
 Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 Rqmt Prov: PERMIT 1472, SC 1
 OP O-02220, SC 7
 Description: Exceedance of the MAER for ammonia for Tank D-330; Permit 1472, SC 1
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.145(2)(A)
 Description: Deviations omitted from 3 semiannual deviation reports
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.18(c)(2)
 Rqmt Prov: PERMIT 1472, SC 8
 OP O-02220, SC 1A & SC 7
 Description: Operation of Flare A26VEF1 without a flame present; Permit 1472, SC 8
 Date: 08/31/2005 (403238)
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV 60.482-6(a)(1)
 Rqmt Prov: OP FOP O-02221, Special Condition #12
 PERMIT NSR Permit #18561, Special Condition 6E
 Description: Dow failed to maintain caps and/or plugs on two open-ended lines in the B1300 Poly Glycol Methyldiethanolamines (MDEA) and Aminoethylethanolamines (AEEA) Plants for components.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 101, SubChapter A 101.20(1)
 30 TAC Chapter 115, SubChapter D 115.354(2)(G)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV 60.482-7(a)
 Rqmt Prov: OP FOP O-02221, Special Condition 12
 PERMIT NSR Permit #18561, Special Condition 6F
 PERMIT NSR Permit 18561, Spec. Conds. 6E and 6K
 Description: Dow failed to fugitive emission monitor fifty-nine (59) components, 16 valves and

43 connectors.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: OP FOP O-02221, Special Condition 12
PERMIT NSR Permit 18561, Special Condition 17

Description: Dow failed to maintain the minimum scrubber water flow rate for the SC-2 Kettle Scrubber (EPN B13SV3).

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)

Rqmt Prov: OP FOP O-02221, Special Condition 12
PERMIT NSR Permit 18561, Special Condition 17

Description: Dow failed to maintain the minimum scrubber water flow rate for the SC-2 Scrubber (EPN B13SV2).

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 101, SubChapter A 101.20(2)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT PPP 63.1438(f)[G]

Description: Dow failed to maintain a daily average scrubber water flow for the SC-2 Kettle Scrubber (EPN B13SV3).

Date: 03/02/2006 (431805)

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 115, SubChapter B 115.126(1)(A)(i)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT U 63.506(d)

Description: Failure to store required data from November 1, 2004 to November 3, 2004.

Self Report? NO Classification: Major

Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)(2)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1)

Rqmt Prov: PERMIT # 3320, General Provision 7 E

Description: Failure to maintain a plug on an open ended line.

Date: 03/27/2006 (374721)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 101, SubChapter A 101.20(1)
30 TAC Chapter 101, SubChapter F 101.221(a)
30 TAC Chapter 116, SubChapter B 116.115(c)
40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.18(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT TCEQ Air Permit 22072 - SC 4

Description: During Dow Inc. No. 80470 Dow sent emissions to an unlit flare.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT TCEQ Air Permit 22072 - SC 1

Description: During Dow Inc No. 92568 Dow did not determine the status of the salt dome prior to drilling.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 101, SubChapter A 101.20(1)
30 TAC Chapter 101, SubChapter F 101.221(a)
30 TAC Chapter 116, SubChapter G 116.715(a)
40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.18(c)(2)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT Flexible Air Permit 20432 SC III-1 & -21

Description: During Dow Incident 92771 the flame of the flare was not present.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter G 116.715(a)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT Flexible Air Permit 20432 SC III-1

Description: During Dow Incident 94567 (Inv 374721) a valve was inadvertently opened.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter G 116.715(a)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT Flexible Air Permit 20432 SC III-1

Description: Incident 51360 at Dow was an avoidable emissions event.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter G 116.715(a)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT Flexible Air Permit 20432 SC III-1

Description: Dow had an avoidable emissions event during Incident 94909.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov:	PERMIT Permit 48813 - SC 1		
Description:	During Incidents 84700, 84701, and 93405 Dow had avoidable emissions events		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 48813 Special Condition 1		
Description:	During Recordable Incident 95308, Dow had an avoidable emissions event.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 48813 SC 1		
Description:	Dow had an avoidable emissions event during recordable Incident 90045.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 48813 Special Condition 1		
Description:	Dow had an avoidable emissions event during recordable Incident 101031.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 834 Special Condition 1		
Description:	Incident 83616 at Dow was avoidable.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 834 Special Condition 1		
Description:	Dow Incident 88672 was an avoidable emissions event.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 834 Special Condition 1		
Description:	Dow Incident 89747 was an avoidable emissions event.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 834 Special Condition 1		
Description:	Dow Incident 93432 was an avoidable incident.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 834 Special Condition 1		
Description:	Dow Incident 93975 was an avoidable emissions event.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 834 Special Condition 1		
Description:	Dow Incident 95602 was an avoidable emissions event.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT 834 Special Condition 1		
Description:	Dow Incident 97687 was an avoidable emissions event.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 101, SubChapter A 101.20(2) 30 TAC Chapter 115, SubChapter D 115.352(4) 30 TAC Chapter 115, SubChapter H 115.783(5) 30 TAC Chapter 116, SubChapter B 116.115(c) 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1)		
Description:	Failure to equip each open-ended valve or line with a cap, blind flange, plug, or second valve. Two valves at Furnace F-7 with monitoring tag Nos 193757 and 197365 were observed with open-ended lines during the on-site investigation.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter D 115.352(4) 30 TAC Chapter 115, SubChapter H 115.783(5) 30 TAC Chapter 116, SubChapter B 116.115(c)		
Description:	Failure to equip each open-ended valve or line with a cap, blind flange, plug, or second valve. An open ended line in HRVOC service at the R102/S102 bay wall area was observed during the on-site investigation.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter D 115.352(4) 30 TAC Chapter 115, SubChapter H 115.783(5) 30 TAC Chapter 116, SubChapter B 116.115(c)		

Description: Failure to equip each open-ended valve or line with a cap, blind flange, plug, or second valve. An open ended line in HRVOC service at the R102/S102 bay wall area was observed during the on-site investigation.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 101, SubChapter A 101.20(2)
30 TAC Chapter 115, SubChapter D 115.354
30 TAC Chapter 115, SubChapter H 115.781(b)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.168(a)

Description: Failure to demonstrate that each applicable HRVOC valve in the process unit was monitored in accordance with the requirements described in 30 TAC § 115.354, as directed by 30 TAC § 115.781(b).
Failure to demonstrate that each applicable HRVOC valve in the process unit was monitored in accordance with the requirement

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 115, SubChapter D 115.354
30 TAC Chapter 115, SubChapter H 115.781(b)

Description: Failure to demonstrate that at least ten unmarked valves in HRVOC service were complying with the monitoring requirements described in the applicable sections of 30 TAC " 115.354 and 115.781(b). Ten unmarked valves in HRVOC service were subsequently numbered in the field with monitoring program identification numbers

Date: 04/18/2006 (433179)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 101, SubChapter F 101.201(a)(1)(B)
30 TAC Chapter 101, SubChapter F 101.201(b)
30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT TCEQ Air Permit 2008, SC1

Description: Failure to notify and report in a timely manner following a reportable emissions event (Incident No. 64153).

Date: 04/20/2006 (459137)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 117, SubChapter B 117.206(e)(2)
5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: PERMIT Permit 46306, Special Condition 7(C)

Description: Exceeded permitted limits of ammonia (NH3). Violation of Permit # 46306 Special Condition 7(C), 30 TAC 117.206 (e)(2), 30 TAC 116.115 (c), and 5 THC Chapter 382.085(b).

Date: 04/26/2006 (433177)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: PERMIT TCEQ Air Permit No. 2008, SC 1

Description: Failure to provide a backup dempster resulting in unauthorized emissions.(Incident No. 64154)

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 101, SubChapter F 101.201(a)(1)(A)

Description: Dow did not report in a timely manner during Incident 64154.

Date: 06/22/2006 (458889)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT NSR 20432, SC III-5
OP Title V O-02213, SC 16

Description: Dow failed to meet the NOx emissions hourly standard of 0.1 lb/MMBtu 87 times, and the CO emissions hourly standard of 0.034 lb/MMBtu 276 times from Pyrolysis Furnace Nos. 1 through 7 (OC6L8H1~7) as required by NSR Permit 20432, Special Condition (SC) III-5.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT NSR 20432, SC III-6
OP Title V O-02213, SC 16

Description: Dow failed to meet the NOx emissions hourly standard of 0.06 lb/MMBtu 301 times, and the CO emissions hourly standard of 0.015 lb/MMBtu 47 times from Pyrolysis Furnace Nos. 8 and 10 (OC6L8H8&10) as required by NSR Permit 20432, SC III-6.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
30 TAC Chapter 116, SubChapter B 116.115(c)

30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 20432, SC 1E
 OP Title V O-02213, SC IA and 16
 Description: Dow failed to equip open-ended lines with a valve or plug on 23 occasions.
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT NSR 20432, SC III-1
 OP Title V O-02213, SC 16
 Description: Dow failed to meet the permit allowables 4 times for NOx and 2 times for CO from Gas Turbine GT-30 (B72L7GT30).
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT NSR 20432, SC 4
 OP Title V O-02213, SC 16
 Description: Dow failed to meet the specified requirement of 300 BTU/SCF for the Flare B60L7F1 on November 15, 2004.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 61, SubChapter C, PT 61, SubPT FF 61.354(a)(2)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP Title V O-02213, SC 1A
 Description: that Dow failed to record daily review of the operating parameters for 8 days as required by 40 CFR 61.354(a)(2).
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP Title V O-02213, SC 15
 Description: Dow failed to collect flare pilot monitoring data for the Flares FS-1 and FX-1000 (OC6L8F1, and OC6L8F1000) on four occasions, and failed for the Flare B71S2F1 on three occasions.
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT RRR 60.702(a)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP Title V O-02213, SC 1A
 Description: Dow failed to route off gas from the processes subject to 40 CFR 60 Subpart RRR to its primary control device Furnaces OC6L8S1 thru OC6L8S10. The off gas was routed to the Flares OC6L8F1000 and OC6L8F1 on nineteen occasions.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT A 63.6(e)[G]
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP Title V O-02213, SC 10C
 Description: Dow failed to follow precisely the written startup, shutdown, and malfunction plan on three occurrences.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT A 63.6(e)[G]
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP Title V O-02213, SC 10C
 Description: Dow failed to update the written startup, shutdown, and malfunction plan as required.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 61, SubChapter C, PT 61, SubPT V 61.242-7(a)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: PERMIT NSR 20432, SC III-3B
 OP Title V O-02213, SC 1A and 16
 Description: Dow failed to monitor nine valves on six monthly monitoring activities during the period of April 19, 2004 through September 15, 2004.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP Title V O-02213, SC 3B(iii)
 Description: Dow failed to keep records of visible emissions observations for ten furnaces, one thermal oxidizer and one decoke vent during the 3rd quarter of 2004.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 115, SubChapter B 115.132(a)(1)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02213, SC 1A
 Description: Dow failed to maintain the compartment totally enclosed and have all openings sealed for the Water Separator OC6L8D27 as one leaking connector was noted between October 14, 2004 and October 19, 2004.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV 60.482-6(a)(2)
 40 CFR Chapter 61, SubChapter C, PT 61, SubPT V 61.242-6(a)(2)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 20432, SC 1E
 OP Title V O-02213, SC 1A and 16
 Description: Dow failed to equip open-ended lines with a valve or plug on four occasions.
 Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV 60.482-7(c)[G]
 40 CFR Chapter 61, SubChapter C, PT 61, SubPT V 61.242-7(c)[G]
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 20432, SC 1F
 OP Title V O-02213, SC 1A and 16
 Description: Dow failed to monitor 97 valves and 8 flanges on two quarterly monitoring activities during the period of April 19, 2004 through October 18, 2004.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 61, SubChapter C, PT 61, SubPT FF 61.343(a)(1)(i)(A)
 40 CFR Chapter 61, SubChapter C, PT 61, SubPT FF 61.347(a)(1)(i)(A)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02213, SC 1A
 Description: Dow failed to perform annual fugitive monitoring of components of the benzene waste management units on an annual basis.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 61, SubChapter C, PT 61, SubPT FF 61.354(a)(2)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02213, SC 1A
 Description: Dow failed to inspect daily the operating parameters for benzene waste operations for 20 days to ensure proper operations.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.163(b)(3)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02213, SC 1A
 Description: Dow failed to perform one weekly visual inspection of pumps as required.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV 60.482-2(a)(2)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02213, SC 1A
 Description: Dow failed to perform 13 weekly visual inspections of pumps as required.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 115, SubChapter D 115.354(3)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02213, SC 1A
 Description: Dow f Failed to perform nine weekly visual inspections of flanges as required.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 21596, SC 11E
 OP Title V O-02213, SC 1A and 16
 Description: Dow failed to equip open-ended lines with a valve or plug on 10 occasions.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 61, SubChapter C, PT 61, SubPT FF 61.354(f)(1)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: ORDER Title V O-02213, SC 1A

Description: Dow failed to perform monthly visual car-seal inspections on Benzene Waste Management Units' closed vent system in September and October of 2004.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 111, SubChapter A 111.111(a)(4)(A)(ii)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02213, SC 1A
 Description: Dow failed to perform eight daily visual flare observations as required.
 Date: 07/14/2006 (457318)
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 654, SC 4
 OP Title V O-02203, SC 14
 Description: Dow failed to install a pressure gauge or its equivalent between the rupture disk and the pressure safety valve on T-4 Tower.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 654, SC 10E
 OP Title V O-02203, SC 1A and 14
 Description: Dow failed to equip open-ended lines with plugs/caps on two occasions.
 Date: 07/18/2006 (462748)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT Special Condition 7(c)
 Description: Failure to meet permitted ammonia emission standard.
 Date: 07/18/2006 (462746)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Description: Ammonia limit exceedence. Violation of permit #46306 SC 7, 30 TAC 116.115(c), and 5 THC Chapter 382.085(b).
 Date: 07/21/2006 (457258)
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT 18561, SC 6E
 OP O-02221, STC 12
 OP O-02221, STC 1A
 Description: Failure to cap or plug the Twelve (12) open-ended lines in VOC service in Specialty Chemicals 2 Unit.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.110(a)(4)
 30 TAC Chapter 122, SubChapter C 122.222(k)(3)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Description: Failure to register the PBRs 106.261 and 106.262 within 10 days of increase in VOC emissions of 0.79 lbs/hr and 0.85 tons per year as a result of production of new line of products and failed to submit off-permit notification concurrently.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT 18561, SC 17
 OP O-02221, STC 12
 Description: Failure to maintain minimum flow rate of 10 gallons per minute (gpm) of water as required by NSR permit 18561, Special Condition 17 for the SC-2 kettle scrubber (EPN B13SV3).
 Date: 08/11/2006 (457284)
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 117, SubChapter B 117.216(a)(5)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02216, SC 6C
 Description: Dow failed to include the specific rule citation for any unit with a claimed

exemption from the emission specification of §117.206 in the final NOx control report submitted on March 31, 2005.

Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter D 115.352(4) 30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR 20525, SC 15E PERMIT NSR 46429, SC 12E PERMIT NSR 46431, SC 13E OP Title V O-02216, SC 1A and 15		
Description:	Dow failed to equip open-ended lines in hazardous air pollutant (HAP) with plugs/caps on fourteen occasions.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter D 115.354(3) 30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.163(b)(3) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR 46431, SC 13E OP Title V O-02216, SC 1A and 15		
Description:	Dow failed to conduct one weekly fugitive inspection by visual, audible, and/or olfactory means.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 46431, SC 21 OP Title V Permit O-02216, SC 15		
Description:	Dow failed to conduct daily analysis on the selective catalytic reduction (SCR) unit on four occasions.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 117, SubChapter B 117.211(a)(4) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	OP Title V O-02216, SC 1A		
Description:	Dow failed to conduct stack sampling on the furnace exhaust stack (EPN A36S621) within 60 days of startup of the emissions control.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 46431, SC 17 OP Title V Permit O-02216, SC 15		
Description:	Dow failed to maintain the pH in the scrubber (EPN A36S531) at 7.5 or greater on two occasions.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 40 CFR Chapter 63, SubChapter C, PT 63, SubPT A 63.7(a)(2) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 46431, SC 12C OP Title V Permit O-02216, SC 10D and 15		
Description:	Dow failed to conduct performance test on the thermal treatment unit (TTU) and the tail scrubber (EPN A36S531) within 180 days as required by 40 CFR 63.7(a) (2) and 63.116(c), and as required by NSR Permit 46431, SC 12C.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 46431, SC 22A OP Title V Permit O-02216, SC 15		
Description:	Dow failed to monitor the carbon bed during unloading operation for the tank (EPN A40S741).		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 2008, SC 1 OP Title V Permit O-02216, SC 15		
Description:	NOx, CO, SO2 emissions in lb/hr from the flare (EPN B4F19A) exceeded the allowables specified in the Maximum Allowable Emission Rate Table for NSR Permit 2008 during a period from January 10, 2005 through March 13, 2005.		

Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 2008, SC 9 OP Title V Permit O-02216, SC 15		
Description:	Dow failed to maintain the minimum requirement of 300 BTU/scf for the flare (EPN B4F19A) during a period from January 10, 2005 through June 10, 2005.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter D 115.352(4) 30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 2008, SC 14E OP Title V Permit O-02216, SC 1A and 15		
Description:	Dow failed to equip one open-ended line in VOC service with a cap or plug.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter B 115.112(a)(1) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	OP Title V Permit O-02216, SC 1A and 14		
Description:	Dow failed to maintain pilots for the flare (EPNA36MDF532), which was used as a control device for tank vents V-103 and V-534 at the time the pilots went out on September 19, 2005.		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	OP Title V Permit O-02216, SC 14		
Description:	Dow failed to keep two monthly inspection records for the degreaser (A36MDSC1).		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.168(d)(2) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 46431, SC 13F OP Title V Permit O-02216, SC 1A and 15		
Description:	Dow failed to monitor 107 valves during the first and second quarters of 2005.		
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.174(b)(2) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	PERMIT NSR Permit 46431, SC 14A OP Title V Permit O-02216, SC 1A and 15		
Description:	Dow failed to monitor 324 connectors during the first and second quarters of 2005.		
Date:	08/18/2006	(465699)	
Self Report?	NO	Classification:	Moderate
Citation:	30 TAC Chapter 116, SubChapter B 116.115(c) 5C THC Chapter 382, SubChapter D 382.085(b)		
Rqmt Prov:	PERMIT TCEA Air Permit No. 21596, SC 1		
Description:	Dow had an avoidable emissions event during Incident No. 73674.		
Date:	08/19/2006	(480155)	
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 113, SubChapter C 113.130 30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	OP FOP# O-02205, Special Condition #10 PA NSR Permit #20774, Special Condition 10E		
Description:	Failure to cap 6 open-ended valves/lines in HAP service per 63.167(a)(1).		
Self Report?	NO	Classification:	Minor
Citation:	30 TAC Chapter 115, SubChapter D 115.352(4) 30 TAC Chapter 116, SubChapter B 116.115(c) 30 TAC Chapter 122, SubChapter B 122.143(4) 5C THC Chapter 382, SubChapter A 382.085(b)		
Rqmt Prov:	OP FOP# O-02205, Special Condition #11 OP FOP# O-02205, Special Condition #1A PA NSR Permit 20774, Special Condition #10E		
Description:	Failure to cap one open-ended valve or line in general VOC service as required by 115.352(4).		
Self Report?	NO	Classification:	Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP FOP# O-02205, Special Condition #9
 Description: Failure to limit the outlet gas temperature of PT-110 to 95 degrees fahrenheit during venting operations.
 Date: 08/22/2006 (484727)
 Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 335, SubChapter A 335.9(a)(2)[G]
 Rqmt Prov: PERMIT VII.A.1.
 Description: Failure to report the burning of Waste Stream 2196219H in Boiler B-901 (NOR 089) on the 2005 Annual Waste Summary.
 Date: 08/23/2006 (457315)
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 20909, SC 5
 OP Title V O-02211, SC 14
 Description: Dow failed to install pressure indicators for all vent streams from process vessels that are routed to an emissions control device so that the pressure indicators would indicate positive flows from the vessels to the primary thermal oxidizer (EPN B35EWS200).
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 20909, SC 8
 OP Title V O-02211, SC 14
 Description: Dow failed to operate upset diverter valves and the backup oxidizer start-up automatically when a diversion is needed from the primary thermal oxidizer (EPN B35EWS200) to the backup thermal oxidizer (EPN B34EWS201).
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 117, SubChapter B 117.216(a)(5)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02211, SC 6C
 Description: Dow failed to include the specific rule citation for any unit with a claimed exemption from the emission specification of §117.206 in the final NOx control report.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: PERMIT NSR 313, SC 14
 OP Title V O-02211, SC 14
 Description: Dow failed to record fan amperage readings once every shift.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT DD 63.697(b)(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02211, SC 1A
 Description: Dow failed to submit the required semiannual report within the time frame allowed.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT A 63.6(e)[G]
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02211, SC 11C
 Description: Dow failed to follow malfunction procedure as it was written during a malfunction of a flow meter.
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 117, SubChapter B 117.219(d)[G]
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02211, SC 1A
 Description: Dow failed to submit the required semiannual report within the time frame allowed.
 Date: 08/23/2006 (457302)
 Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 106, SubChapter A 106.6(b)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter A 382.085(b)
 Rqmt Prov: OP Title V O-02218, SC 6
 Description: Dow failed to equip 23 open-ended lines with caps or plugs as fugitive emissions

were represented and authorized through Permit by Rule (PBR) 106.262.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 106, SubChapter K 106.262(3)
30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP Title V O-02218, SC 6

Description: Dow failed to provide notification using Form PI-7 within ten days following the modification of the facility.

Date: 08/23/2006 (484737)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 335, SubChapter F 335.152(a)(18)
40 CFR Chapter 264, SubChapter I, PT 264, SubPT BB 264.1052(e)

Rqmt Prov: PERMIT VI.A.21.a.

Description: Failure to conduct annual monitoring for fugitive emissions from Pump MP-506.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 335, SubChapter F 335.152(a)(18)
40 CFR Chapter 264, SubChapter I, PT 264, SubPT BB 264.1061(b)(2)

Rqmt Prov: PERMIT VI.A.21.a.

Description: Failure to provide the notification and perform annual monitoring of valves in light liquid service.

Date: 08/28/2006 (497117)

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP FOP #O-02206, Special Condition #11
OP FOP #O-02206, Special Condition #1A
PA NSR Permit 2773, Special Condition #12E

Description: Failure to cap 53 open-ended valves or lines in HAP service.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.168(f)(1)
5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: OP FOP #O-02006, Special Condition #1A
OP FOP #O-02206, Special Condition #11
PA NSR Permit 2472, Special Condition #9.I
PA NSR Permit 2773, Special Condition #12.I

Description: Failure to perform Method 21 remonitoring to three valves in HAP service within 15 days.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.163(c)(1)

Rqmt Prov: OP FOP #O-02206, Special Condition #11
OP FOP #O-02206, Special Condition #1A
PA NSR Permit #2472, Special Condition #9.I

Description: Failure to remonitor the P-206 pump seal, after repairs, within 15 days.

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
30 TAC Chapter 122, SubChapter B 122.143(4)
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.174(d)
5C THC Chapter 382, SubChapter A 382.085(b)

Rqmt Prov: OP FOP #O-02006, Special Condition #11
OP FOP #O-02206, Special Condition #1A
PA NSR Permit 2472, Special Condition #9.I

Description: Failure to remonitor four flanges in HAP service, after completion of repairs, within 15 days.

Date: 08/31/2006 (457309)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: OP O-2710, Special Condition 3(B)(iii)

Description: Failure to conduct the visible emissions observations for the units in B6200, B4300 area during the compliance years 2004 and 2005.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter G 116.715(a)
30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: PERMIT 20432, Special Condition I-38.c
OP O-02207, Special Condition 14

Description: Failure to conduct the quarterly cylinder gas audit (CGA) analysis of the continuous emissions monitoring system (CEMS) for the EPN B62CB1.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT 3434, Special Condition 27.B
 OP O-02207, Special Condition 14
 Description: Failure to maintain the sulfur content of the waste oils burned in the boilers below 50 ppmw.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 116, SubChapter G 116.715(a)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.167(a)(1)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT 20432, Special Condition 1.E
 PERMIT 3434, Special Condition 7.E
 OP O-02207, Special Condition 14
 OP O-02207, Special Condition 1A
 Description: Failure to cap or plug the Eight (8) open-ended lines in VOC service in the O-02207 Title V permit area.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 115, SubChapter D 115.354(2)(B)
 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 63, SubChapter C, PT 63, SubPT H 63.163(b)(1)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT 3434, Special Condition 7.G
 OP O-02207, Special Condition 14
 OP O-02207, Special Condition 1A
 Description: Failure to monitor nine pumps in VHAP service in the O-02207 Title V permit area.
 Self Report? NO Classification: Minor
 Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
 30 TAC Chapter 122, SubChapter B 122.145(2)(A)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: OP O-2207, General Terms & Conditions
 Description: The RE failed to report some instances of deviations in the deviation report dated November 17, 2005.
 Date: 10/12/2006 (515660)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT TCEQ Air Permit No. 48813, SC 1
 Description: Dow failed to prevent an operator error resulting in unauthorized emissions during Incident No. 79109.
 Date: 10/25/2006 (509774)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(b)(2)(F)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT TCEQ Air Permit No. 46429 MAERT
 Description: Investigation 509774 determined that Dow failed to communicate with a contractor technician properly to prevent unauthorized emissions during Incident 76828.
 Date: 11/30/2006 (519472)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: PERMIT TCEQ Permit No. 48813, SC 1
 Description: Investigation No. 519472 determined that Dow had an avoidable emissions event during Incident No. 79942.
 Date: 12/13/2006 (512466)
 Self Report? NO Classification: Moderate
 Citation: 30 TAC Chapter 106, SubChapter K 106.261(a)(7)(B)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)
 Rqmt Prov: OP O-02212, SC 16.A.
 Description: The Dow Chemical Company, Dow Texas Operations Freeport, failed to submit Form PI-7 on March 31, 2005, for the increase of ethylene and propylene emissions to the monitor well flare (BSRSRMW1T). This constitutes a violation of 30 Texas Administrative Code (TAC) § 106.261(a)(7)(B).
 Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.18(c)(3)(II)
 5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: OP O-02212, SC 16.A.
 PERMIT Permit No. 22072, SC 4

Description: the Dow Chemical Company ("Dow"), Dow Texas Operations Freeport, failed to maintain the minimum heat value for Monitor Well Flare no. 1 (unit I.D. BSRSRFMW1) and Brine Flare 2 (unit I.D. BSRF401).

Date: 12/18/2006 (512614)

Self Report? NO Classification: Minor

Citation: 40 CFR Chapter 63, SubChapter C, PT 63, SubPT SS 63.998(b)
 5C THC Chapter 382, SubChapter D 382.085(b)

Description: Dow failed to maintain records of daily average pH data for the T-734 Scrubber System (EPN B84S734) on October 5 and 6, 2005.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: PERMIT NSR 7531, SC 1
 OP Title V O-02210, SC 10

Description: Dow failed to meet the maximum permit allowable of 0.06 lb/hr for Cl2 from the T-734 Scrubber System (EPN B84S734) on the following dates during performance testing: 08-18-05 10:33 to 11:15 0.13 lb/hr; 08-29-05 11:23 to 12:14 0.38 lb/hr; 08-30-05 10:52 to 17:04 1.63 lb/hr; 10/12/05 9:43 to 13:23 0.1 lb/hr

Self Report? NO Classification: Minor

Citation: 30 TAC Chapter 106, SubChapter K 106.262[G]
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: OP Title V O-02210, SC 10

Description: Dow failed to register a minor process modification made in April 2005 under Permits by Rule (PBR) 106.262(a)(3) within ten days following the modification of the facility.

Date: 01/18/2007 (512465)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 117, SubChapter B 117.206(e)(1)(A)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: OP O-02214, SC 15.A.(I)

Description: The Dow Chemical Company, Dow Texas Operations Freeport exceeded the CO limit of 400 ppmv on Boiler No. 5 (Unit ID no. B664PB5, EPN FB-45). This constitutes a violation of 30 TAC 117.206(e)(1).

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: OP O-02214, SC 9.A.
 PERMIT Permit No. 46306, SC 7.C.

Description: The Dow Chemical Company, Dow Texas Operations Freeport exceeded the ammonia limit of 10 ppmvd on boiler FB-93 (EPN: B56SB3). This constitutes a violation of Permit no. 46306, PSD-TX-986, and N-059, Special Condition (SC) 7.C.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: OP O-02214, SC 9.A.
 PERMIT Permit No. 46306, SC 1

Description: The Dow Chemical Company, Dow Texas Operations Freeport exceeded the maximum allowable emission rate for NOx for boiler FB-92 (EPN: B56SB2) on March 3, 2006. This constitutes a violation of Permit no. 46306, PSD-TX-986, and N-059, SC 1.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
 30 TAC Chapter 122, SubChapter B 122.143(4)
 5C THC Chapter 382, SubChapter D 382.085(b)

Rqmt Prov: OP O-02214, SC 9.A.
 PERMIT Permit No. 46306, SC 7.A.

Description: The Dow Chemical Company, Dow Texas Operations Freeport exceeded the lb/mmBtu emission rate for NOx for boilers FB-92 (EPN: B56SB2) and FB-94 (EPN: B56SB4) on March 3, 2006. This constitutes a violation of Permit no. 46306, PSD-TX-986, and N-059, SC 7.A.

Date: 02/16/2007 (532501)

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 111, SubChapter A 111.111(a)(4)(A)(ii)
30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter D 382.085(b)
Rqmt Prov: OP O-02219, SC 1.A.
Description: Failure to record 188 daily observation of the flare (Unit I.D. B3808F1) beginning February 3, 2006, through September 30, 2006. This constitutes a violation of 30 Texas Administrative Code (TAC) § 111.111(a)(4)(A)(ii).

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 101, SubChapter F 101.201(b)
30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter D 382.085(b)
Rqmt Prov: OP O-02219, SC 2.F.
Description: Failure to create a final onsite record of emissions events. This constitutes a violation of 30 TAC § 101.201(b).

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)
30 TAC Chapter 122, SubChapter B 122.145(2)(A)
5C THC Chapter 382, SubChapter D 382.085(b)
Rqmt Prov: OP O-02219, General Terms and Conditions
Description: Failure to report all incidents of deviations as required by 30 TAC § 122.145(2)(A).

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 115, SubChapter D 115.352(4)
30 TAC Chapter 122, SubChapter B 122.143(4)
40 CFR Chapter 60, SubChapter C, PT 60, SubPT DDD 60.562-2(a)
40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV 60.482-6(a)(1)
5C THC Chapter 382, SubChapter D 382.085(b)
Rqmt Prov: OP O-02219, SC 13.A.
PERMIT Permit No. 20775, SC 7.E.
Description: Failure to maintain secondary enclosures on the following open-ended line tag nos. EAI 128564.2, EAI 80701.2, EAI 80353, and 80701.2.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 115, SubChapter H 115.767(1)
30 TAC Chapter 122, SubChapter B 122.143(4)
5C THC Chapter 382, SubChapter D 382.085(b)
Rqmt Prov: OP O-02219, SC 1.I.(iv)
Description: Failure to maintain the pressure between on the cooling water side at a minimum of 5 psig for HRVOC greater than the process fluid side for cooling tower B3831CT1.

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 115, SubChapter H 115.725(a)[G]
5C THC Chapter 382, SubChapter D 382.085(b)
Description: Failure to test HRVOC vents in the Research Reactor (BX250RX1).

Self Report? NO Classification: Minor
Citation: 30 TAC Chapter 122, SubChapter C 122.217(a)(2)
5C THC Chapter 382, SubChapter D 382.085(b)
Description: Failure to submit an Application for Minor Permit Revisions prior to operating the Research Reactor (B250RX1).
Date: 02/28/2007 (542323)

Self Report? NO Classification: Moderate
Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)
5C THC Chapter 382, SubChapter D 382.085(b)
Rqmt Prov: PERMIT TCEQ Flex Air Permit No. 20432, SC III-1
Description: Investigation No. 542323 determined that Dow had an avoidable emissions event during Incident No. 84696.

F. Environmental audits.

Notice of Intent Date: 02/18/2004 (265119)
No DOV Associated

Notice of Intent Date: 03/19/2004 (336700)
No DOV Associated

Notice of Intent Date: 04/14/2004 (274298)
No DOV Associated

Notice of Intent Date: 06/14/2004 (347895)
No DOV Associated

Notice of Intent Date: 12/17/2004 (347242)
Disclosure Date: 11/23/2005

Viol. Classification: Moderate
Citation: 30 TAC Chapter 115, SubChapter D
30 TAC Chapter 115, SubChapter H
40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV

40 CFR Chapter 61, SubChapter C, PT 61, SubPT FF
40 CFR Chapter 61, SubChapter C, PT 61, SubPT V
Rqmt Prov: PERMIT NSR Permit 20432
PERMIT NSR Permit 22072
Description: Failure to monitor Valves, Connectors, Pressure Relief Valves, Pumps, Compressors, Agitator and Instrumentation Systems in the Salt Dome Operation, LHC-7 and LHC8.
Viol. Classification: Minor
Citation: 30 TAC Chapter 101, SubChapter A
Description: Failure to include components which missed monitoring in emissions inventory calculations.
Notice of Intent Date: 03/30/2005 (378947)
No DOV Associated
Notice of Intent Date: 04/20/2005 (380855)
No DOV Associated
Notice of Intent Date: 08/16/2005 (434104)
Disclosure Date: 02/22/2006
Viol. Classification: Moderate
Rqmt Prov: PERMIT NSR permit 37884
Description: Failure to monitor 369 Valves, 1156 Connectors and 31 Pressure Relief Valves in the OC4 Polypropylene Unit.
Viol. Classification: Minor
Citation: 30 TAC Chapter 101, SubChapter A
40 CFR Chapter 372, SubChapter J, PT 372, SubPT B
Description: Failed to report emission calculations of components that were not monitored under a prescribed LDAR program
Notice of Intent Date: 09/16/2005 (436340)
No DOV Associated
Notice of Intent Date: 10/26/2005 (465631)
No DOV Associated
Notice of Intent Date: 01/06/2006 (452904)
No DOV Associated
Notice of Intent Date: 02/06/2006 (458261)
Disclosure Date: 08/04/2006
Viol. Classification: Moderate
Citation: 30 TAC Chapter 115, SubChapter D
30 TAC Chapter 115, SubChapter H
40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV
40 CFR Chapter 61, SubChapter C, PT 61, SubPT V
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H
Description: Failure to monitor valves, connectors and pressure relief valves under a prescribed Leak Detection and Repair Program.
Viol. Classification: Moderate
Citation: 30 TAC Chapter 101, SubChapter A
Description: Failure to submit emissions inventories for missed component monitoring.
Notice of Intent Date: 02/27/2006 (459089)
No DOV Associated
Notice of Intent Date: 03/29/2006 (464367)
No DOV Associated
Notice of Intent Date: 03/29/2006 (464509)
No DOV Associated
Notice of Intent Date: 03/29/2006 (464513)
Disclosure Date: 08/30/2006
Viol. Classification: Moderate
Citation: 30 TAC Chapter 115, SubChapter D
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H
Rqmt Prov: PERMIT NSR Permit 5340
Description: Failed to monitor 341 Valves and 1018 Connectors in the A18 Chlorinated Methane Unit.
Viol. Classification: Minor
Citation: 30 TAC Chapter 101, SubChapter A
Description: Failure to include components which missed monitoring in the emissions inventory calculations.
Notice of Intent Date: 03/29/2006 (466306)
Disclosure Date: 09/28/2006
Viol. Classification: Moderate
Citation: 30 TAC Chapter 115, SubChapter D
30 TAC Chapter 115, SubChapter H
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H
Rqmt Prov: PERMIT NSR Permit 8567
Description: Failure to monitor 261 Valves and 715 Connectors in the B77 Adhesive Polymers Plant.
Viol. Classification: Minor
Citation: 30 TAC Chapter 101, SubChapter A
Description: Failed to include components that missed monitoring in emissions inventory calculations.
Notice of Intent Date: 03/29/2006 (466317)

No DOV Associated

Notice of Intent Date: 04/21/2006 (465958)

Disclosure Date: 10/22/2006

Viol. Classification: Moderate

Citation: 40 CFR Chapter 60, SubChapter C, PT 60, SubPT VV
40 CFR Chapter 61, SubChapter C, PT 61, SubPT V
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H

Rqmt Prov: PERMIT NSR Flex Permit 20432

Description: Failure to monitor 633 Valves, 5175 Connectors, 4 Relief Devices and 38 Pumps in the B71 Styrene Plant.

Viol. Classification: Moderate

Citation: 30 TAC Chapter 101, SubChapter A

Description: Failure to include components which missed monitoring in emissions inventory calculations.

Notice of Intent Date: 04/25/2006 (480426)

Disclosure Date: 10/22/2006

Viol. Classification: Moderate

Citation: 30 TAC Chapter 115, SubChapter D
30 TAC Chapter 115, SubChapter H
40 CFR Chapter 264, SubChapter I, PT 264, SubPT BB
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H

Rqmt Prov: PERMIT NSR Flex Permit 20525

PERMIT NSR Flex Permit 46429

PERMIT NSR Permit 8567

Description: Failure to monitor Valves, Connectors and Agitators in B44 Voranol Plant, failure to monitor Valves and Connectors in B46 SPC Plant and failure to monitor Valves and Connectors in B46 Blending Plant.

Viol. Classification: Moderate

Citation: 30 TAC Chapter 115, SubChapter D
30 TAC Chapter 115, SubChapter H

Rqmt Prov: PERMIT NSR Flex Permit 20525

PERMIT NSR Flex Permit 46429

Description: Failure to include 2 Pumps and 14 Relief Valves in the LDAR Program in B44 Voranol Plant, failure to include 3 Pumps in the LDAR Program in B46 SPC Plant.

Viol. Classification: Minor

Citation: 30 TAC Chapter 101, SubChapter A

Description: Failure to include components which missed monitoring into Emissions Inventory calculations.

Notice of Intent Date: 05/12/2006 (465966)

Disclosure Date: 11/15/2006

Viol. Classification: Moderate

Citation: 30 TAC Chapter 115, SubChapter D
40 CFR Chapter 265, SubChapter I, PT 265, SubPT BB
40 CFR Chapter 63, SubChapter C, PT 63, SubPT H

Rqmt Prov: PERMIT NSR Flex permit 20432

Description: Failure to monitor 108 Valves, 392 Connectors and 3 Pumps in the B43 Epoxy 3. Failure to monitor 898 Valves, 3018 Connectors, 12 Pressure Relief Valves, 10 Pumps and 1 Agitator in the B62 Epoxy 2.

Viol. Classification: Minor

Citation: 30 TAC Chapter 101, SubChapter A

Description: Failure to include missed monitored components in emissions inventory calculations.

Viol. Classification: Minor

Citation: 1 THC Chapter 1

Rqmt Prov: PERMIT Title V permit O-02207

Description: Failure to included missed monitored components in previous Title V Deviation Reports.

Notice of Intent Date: 06/13/2006 (484536)

No DOV Associated

Notice of Intent Date: 06/20/2006 (486601)

No DOV Associated

Notice of Intent Date: 06/26/2006 (488476)

No DOV Associated

Notice of Intent Date: 08/15/2006 (511065)

No DOV Associated

Notice of Intent Date: 08/28/2006 (514018)

No DOV Associated

Notice of Intent Date: 10/24/2006 (461404)

No DOV Associated

Notice of Intent Date: 12/13/2006 (536545)

No DOV Associated

Notice of Intent Date: 12/13/2006 (536549)

No DOV Associated

Notice of Intent Date: 12/27/2006 (537891)

No DOV Associated

Notice of Intent Date: 01/09/2007 (541786)

No DOV Associated

Notice of Intent Date: 01/12/2007 (554256)

No DOV Associated

Notice of Intent Date: 01/19/2007 (541798)

No DOV Associated

Notice of Intent Date: 01/19/2007 (541800)

No DOV Associated

Notice of Intent Date: 01/25/2007 (541805)

No DOV Associated

Notice of Intent Date: 01/25/2007 (541810)

No DOV Associated

Notice of Intent Date: 02/13/2007 (542642)

No DOV Associated

Notice of Intent Date: 02/12/2007 (542650)

No DOV Associated

Notice of Intent Date: 02/26/2007 (554272)

No DOV Associated

Notice of Intent Date: 02/26/2007 (554275)

No DOV Associated

G. Type of environmental management systems (EMSs).

N/A

H. Voluntary on-site compliance assessment dates.

N/A

I. Participation in a voluntary pollution reduction program.

N/A

J. Early compliance.

N/A

Sites Outside of Texas

N/A

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



**IN THE MATTER OF AN
ENFORCEMENT ACTION
CONCERNING
THE DOW CHEMICAL COMPANY
RN100225945**

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§

**BEFORE THE
TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY**

AGREED ORDER DOCKET NO. 2007-0573-AIR-E

I. JURISDICTION AND STIPULATIONS

At its _____ agenda, the Texas Commission on Environmental Quality ("the Commission" or "TCEQ") considered this agreement of the parties, resolving an enforcement action regarding The Dow Chemical Company ("the Respondent") under the authority of TEX. HEALTH & SAFETY CODE ch. 382 and TEX. WATER CODE ch. 7. The Executive Director of the TCEQ, through the Enforcement Division, and the Respondent appear before the Commission and together stipulate that:

1. The Respondent owns and operates a chemical manufacturing plant at 2301 North Brazosport Boulevard in Freeport, Brazoria County, Texas (the "Plant").
2. The Plant consists of one or more sources as defined in TEX. HEALTH & SAFETY CODE § 382.003(12).
3. The Commission and the Respondent agree that the Commission has jurisdiction to enter this Agreed Order, and that the Respondent is subject to the Commission's jurisdiction.
4. The Respondent received notice of the violations alleged in Section II ("Allegations") on or about February 20 and 21, 2007.
5. The occurrence of any violation is in dispute and the entry of this Agreed Order shall not constitute an admission by the Respondent of any violation alleged in Section II ("Allegations"), nor of any statute or rule.
6. An administrative penalty in the amount of Thirty-Four Thousand Six Hundred Seventy Dollars (\$34,670) is assessed by the Commission in settlement of the violations alleged in Section II ("Allegations"). The Respondent has paid Thirteen Thousand Eight Hundred Sixty-Eight Dollars (\$13,868) of the administrative penalty and Six Thousand Nine Hundred Thirty-Four Dollars

(\$6,934) is deferred contingent upon the Respondent's timely and satisfactory compliance with all the terms of this Agreed Order. The deferred amount will be waived upon full compliance with the terms of this Agreed Order. If the Respondent fails to timely and satisfactorily comply with all requirements of this Agreed Order, the Executive Director may require the Respondent to pay all or part of the deferred penalty. Thirteen Thousand Eight Hundred Sixty-Eight Dollars (\$13,868) shall be conditionally offset by the Respondent's completion of a Supplemental Environmental Project ("SEP").

7. Any notice and procedures, which might otherwise be authorized or required in this action, are waived in the interest of a more timely resolution of the matter.
8. The Executive Director of the TCEQ and the Respondent have agreed on a settlement of the matters alleged in this enforcement action, subject to the approval of the Commission.
9. The Executive Director recognizes that the Respondent has implemented the following corrective measures at the Plant:
 - a. Replaced a missing bull plug on a sample point in Unit OC4PPFU1 on January 4, 2006;
 - b. Increased fuel gas flow to Polypropylene Flare F-600 on June 30, 2006 at 6:00 a.m. in order to increase the minimum net heating value. The heat value for the two hours following the fuel gas increase was 206 and 242 BTU/scf;
 - c. Repaired the oxygen analyzer on Polypropylene Flare F-600 on September 17, 2006 at 10:00 a.m. The average hourly NOx emissions were 0.51 lb/hr after repairs were made;
 - d. Implemented annual torque wrench calibration for Instrument & Electrical ("I&E") wrenches on November 6, 2006;
 - e. Implemented a thermocouple assembly procedure on January 2, 2007;
 - f. Began utilizing high pressure connection tags on thermocouples on January 2, 2007;
 - g. Added I&E high pressure connections to the High Pressure Connection procedure with correct torque values specified on January 4, 2007; and
 - h. Implemented an I&E procedure checklist for reactor strips that includes correct torque values for thermocouple connections and re-torquing thermocouples after installation on January 29, 2007.
10. The Executive Director may, without further notice or hearing, refer this matter to the Office of the Attorney General of the State of Texas ("OAG") for further enforcement proceedings if the Executive Director determines that the Respondent has not complied with one or more of the terms or conditions in this Agreed Order.
11. This Agreed Order shall terminate five years from its effective date or upon compliance with all the terms and conditions set forth in this Agreed Order, whichever is later.

12. The provisions of this Agreed Order are deemed severable and, if a court of competent jurisdiction or other appropriate authority deems any provision of this Agreed Order unenforceable, the remaining provisions shall be valid and enforceable.

II. ALLEGATIONS

As owner and operator of the Plant, the Respondent is alleged to have:

1. Failed to prevent unauthorized emissions, in violation of 30 TEX. ADMIN. CODE § 116.115(c), Air Permit No. 48813, Special Condition No. 1, and TEX. HEALTH & SAFETY CODE § 382.085(b), as documented during a record review conducted on January 12, 2007. Specifically, 682 pounds ("lbs") of Ethylene, 0.14 lb of Carbon Monoxide, and 0.03 lb of Nitrogen Oxide were released from the Train 3 reactor in the Polyethylene 2 Unit when wiring on a thermocouple connection failed due to insufficient torque value on the connection. This resulted in an emissions event that occurred on October 30, 2006 and lasted for one minute (Incident No. 83240). Since this emissions event was avoidable, the Respondent failed to meet the demonstrations for an affirmative defense in 30 TEX. ADMIN. CODE § 101.222.
2. Failed to maintain a minimum net heating value of 200 British Thermal Units per standard cubic foot ("BTU/scf") on Polypropylene Flare F-600, as reported in the deviation report dated October 26, 2006, in violation of 30 TEX. ADMIN. CODE §§ 116.115(c) and 122.143(4), Air Permit No. 37884, Special Condition No. 6.A., Air Permit No. O-02313, Special Condition No. 1.A., 40 CODE OF FEDERAL REGULATIONS § 60.18(c)(3)(ii), and TEX. HEALTH & SAFETY CODE § 382.085(b), as documented during a record review conducted on January 12, 2007. Specifically, a net heating value of 190 BTU/scf was maintained for one hour on June 30, 2006 from 5:00 a.m. through 6:00 a.m.
3. Failed to meet the maximum allowable emission rate of 0.65 lb/hour for Nitrogen Oxides ("NOx") on Polypropylene Flare F-600, as reported in the deviation report dated October 26, 2006, in violation of 30 TEX. ADMIN. CODE §§ 116.115(c) and 122.143(4), Air Permit No. 37884, Special Condition No. 1, Air Permit No. O-02313, Special Condition No. 8.A., and TEX. HEALTH & SAFETY CODE § 382.085(b), as documented during a record review conducted on January 12, 2007. Specifically, the average hourly NOx emissions were 0.69 lb/hour on September 17, 2006 from 4:00 a.m. through 10:00 a.m. due to a failed oxygen analyzer.
4. Failed to seal an open-ended line with a second valve, blind flange, cap, or plug, as reported in the deviation report dated April 26, 2006, in violation of 30 TEX. ADMIN. CODE §§ 115.352(4), 115.783(5), 116.115(c), and 122.143(4), Air Permit No. 37884, Special Condition No. 8.E., Air Permit No. O-02313, Special Condition No. 8.A., 40 CODE OF FEDERAL REGULATIONS §§ 60.482-6(a)(1) and 60.562-2(a), and TEX. HEALTH & SAFETY CODE § 382.085(b) as documented during a record review conducted on January 12, 2007. Specifically, one sample point in Highly Reactive Volatile Organic Compound (Propylene) service in Unit OC4PPFU1 had a missing bull plug on January 4, 2006.

III. DENIALS

The Respondent generally denies each allegation in Section II ("Allegations").

IV. ORDERING PROVISIONS

1. It is, therefore, ordered by the TCEQ that the Respondent pay an administrative penalty as set forth in Section I, Paragraph 6 above. The payment of this administrative penalty and the Respondent's compliance with all the terms and conditions set forth in this Agreed Order resolve only the allegations in Section II. The Commission shall not be constrained in any manner from requiring corrective action or penalties for violations, which are not raised here. Administrative penalty payments shall be made payable to "TCEQ" and shall be sent with the notation "Re: The Dow Chemical Company, Docket No. 2007-0573-AIR-E" to:

Financial Administration Division, Revenues Section
Attention: Cashier's Office, MC 214
Texas Commission on Environmental Quality
P.O. Box 13088
Austin, Texas 78711-3088
2. The Respondent shall implement and complete a SEP in accordance with TEX. WATER CODE § 7.067. As set forth in Section I, Paragraph 6 above, Thirteen Thousand Eight Hundred Sixty-Eight Dollars (\$13,868) of the assessed administrative penalty shall be offset with the condition that the Respondent implement the SEP defined in Attachment A, incorporated herein by reference. The Respondent's obligation to pay the conditionally offset portion of the administrative penalty assessed shall be discharged upon final completion of all provisions of the SEP agreement.
3. The provisions of this Agreed Order shall apply to and be binding upon the Respondent. The Respondent is ordered to give notice of the Agreed Order to personnel who maintain day-to-day control over the Plant operations referenced in this Agreed Order.
4. If the Respondent fails to comply with any of the Ordering Provisions in this Agreed Order within the prescribed schedules, and that failure is caused solely by an act of God, war, strike, riot, or other catastrophe, the Respondent's failure to comply is not a violation of this Agreed Order. The Respondent shall have the burden of establishing to the Executive Director's satisfaction that such an event has occurred. The Respondent shall notify the Executive Director within seven days after the Respondent becomes aware of a delaying event and shall take all reasonable measures to mitigate and minimize any delay.
5. The Executive Director may grant an extension of any deadline in this Agreed Order or in any plan, report, or other document submitted pursuant to this Agreed Order, upon a written and substantiated showing of good cause. All requests for extensions by the Respondent shall be made in writing to the Executive Director. Extensions are not effective until the Respondent receives written approval from the Executive Director. The determination of what constitutes good cause rests solely with the Executive Director.

6. This Agreed Order, issued by the Commission, shall not be admissible against the Respondent in a civil proceeding, unless the proceeding is brought by the OAG to: (1) enforce the terms of this Agreed Order; or (2) pursue violations of a statute within the Commission's jurisdiction, or of a rule adopted or an order or permit issued by the Commission under such a statute.
7. This agreement may be executed in multiple counterparts, which together shall constitute a single original instrument. Any executed signature page to this Agreement may be transmitted by facsimile transmission to the other parties, which shall constitute an original signature for all purposes.
8. Under 30 TEX. ADMIN. CODE § 70.10(b), the effective date is the date of hand-delivery of the Order to the Respondent, or three days after the date on which the Commission mails notice of the Order to the Respondent, whichever is earlier. The Chief Clerk shall provide a copy of this Agreed Order to each of the parties.

SIGNATURE PAGE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

For the Commission

John Srdin
For the Executive Director

2/6/2008
Date

I, the undersigned, have read and understand the attached Agreed Order. I am authorized to agree to the attached Agreed Order on behalf of the entity indicated below my signature, and I do agree to the terms and conditions specified therein. I further acknowledge that the TCEQ, in accepting payment for the penalty amount, is materially relying on such representation.

I also understand that failure to comply with the Ordering Provisions, if any, in this order and/or failure to timely pay the penalty amount, may result in:

- A negative impact on compliance history;
- Greater scrutiny of any permit applications submitted;
- Referral of this case to the Attorney General's Office for contempt, injunctive relief, additional penalties, and/or attorney fees, or to a collection agency;
- Increased penalties in any future enforcement actions;
- Automatic referral to the Attorney General's Office of any future enforcement actions; and
- TCEQ seeking other relief as authorized by law.

In addition, any falsification of any compliance documents may result in criminal prosecution.

Linda Bartholome
Signature

1-9-08
Date

LINDA BARTHOLOME
Name (Printed or typed)
Authorized Representative of
The Dow Chemical Company

RESPONSIBLE CARE LEADER
Title

Instructions: Send the original, signed Agreed Order with penalty payment to the Financial Administration Division, Revenues Section at the address in Section IV, Paragraph 1 of this Agreed Order.

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