

TRONOX

Fredrick R. Stater
Plant Manager

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January 26, 2009

Compliance Coordinator
Nevada Division of Environmental Protection
901 South Stewart Street, Suite 4001
Carson City, NV 89701-5249

SUBJECT: Fourth Quarter 2009 DMR – Permit # NEV2001516

Tronox LLC (Tronox) maintains a Permit # NEV2001516 covering synthetically lined pond operation in Henderson, Nevada. While there was no discharge to receiving waters from the covered ponds, the attached Discharge Monitoring Reports, DMR's, (Attachment 1) and accompanying tables provide operational information.

During the first & second quarters of 2009, suspected (minor) leak areas of the WC-East pond liner were identified. During the second & third quarters of 2009, WC-East pond level was lowered in preparation of pond liner repairs. During the fourth quarter pond liner repairs were completed on WC-East. Pond liner leakage was not detected in any ponds during the fourth quarter of 2009.

As required in Permit # NEV2001516, recent photographs of the ponds associated with this permit have also been attached.

Should you have any questions regarding this report, please contact Mike Skromyda at (702) 651-2228 or michael.skromyda@tronox.com. Thank you.

Sincerely,



Fredrick R. Stater
Plant Manager

Overnight Mail

cc: Mike Skromyda
John Hatmaker

Tronox. Adding value beyond the product.

560 West Lake Mead Parkway, Henderson, Nevada 89015 • P.O. Box 55, Henderson, Nevada 89009

ATTACHMENT 1

Discharge Monitoring Reports

October 2009

November 2009

December 2009

PERMITTEE NAME/ADDRESS:
 NAME: Tronox LLC
 ADDRESS: PO BOX 55
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 NEV2001516
 PERMIT NUMBER

FACILITY: Tronox LLC
 LOCATION: Henderson, NV
 Attn: Fredrick R. Stater

MONITORING PERIOD
 FROM 09 | 10 | 01 TO 09 | 10 | 31

NO DISCHARGE X

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. OF EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)			
Flow Influent	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	Please see attached Table 1	MGD				Monthly	Flow Meter
Leak Detection Information	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	Monitor and Report						
Pond Water Level	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Please see attached Table 2			Bi-Monthly	Discrete
Storage Volume	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Monitor and Report				
Water Balance Information	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Please see attached Table 1			Bi-Monthly	Calculation
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Monitor and Report				
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Please see attached Table 1			Monthly	Calculation
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Monitor and Report				
CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, AND COMPLY WITH ALL APPLICABLE FEDERAL AND STATE REQUIREMENTS AND REGULATIONS. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.								
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE			TELEPHONE		DATE	
Fredrick R. Stater					702-651-2200		10 01 25	
Plant Manager		OFFICER OR AUTHORIZED AGENT			AREA CODE NUMBER		YEAR MO DAY	
TYPED OR PRINTED					800-651-2200		10 01 25	

COMMENT AND EXPLANATION OF ANY VIOLATIONS
 Facility Ponds

(Reference all attachments here)

00044961223-1801

Form by WindowChem/07/864-0845pm/1090/v6.01/4/1/86

PAGE 1 OF 1

PERMITTEE NAME/ADDRESS:
 NAME: Tronox LLC
 ADDRESS: PO BOX 55
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

NEV2001516
 PERMIT NUMBER

001
 DISCHARGE NUMBER

FACILITY: Tronox LLC
 LOCATION: Henderson, NV
 Attn: Fredrick R. Stater

MONITORING PERIOD

FROM 09 | 11 | 01 TO 09 | 11 | 30

NO DISCHARGE

X

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)			
Flow Influent	SAMPLE MEASUREMENT					0	Monthly	Flow Meter
	PERMIT REQUIREMENT	Please see attached Table 1	MGD					
Leak Detection Information	SAMPLE MEASUREMENT					0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT	Monitor and Report		Please see attached Table 2				
Pond Water Level	SAMPLE MEASUREMENT					0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT	Monitor and Report		Monitor and Report				
Storage Volume	SAMPLE MEASUREMENT					0	Bi-Monthly	Calculation
	PERMIT REQUIREMENT	Monitor and Report		Please see attached Table 1				
Water Balance Information	SAMPLE MEASUREMENT					0	Monthly	Calculation
	PERMIT REQUIREMENT	Monitor and Report		Please see attached Table 1				
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	Monitor and Report		Monitor and Report				
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	Monitor and Report		Monitor and Report				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Fredrick R. Stater Plant Manager	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	Monitor and Report		Please see attached Table 1				
TYPED OR PRINTED								TELEPHONE
COMMENT AND EXPLANATION OF ANY VIOLATIONS Facility Ponds								DATE
						702-651-2200		10 01 25
						AREA CODE NUMBER		YEAR MO DAY
						OFFICER OR AUTHORIZED AGENT		
						SIGNATURE OF PRINCIPAL EXECUTIVE		

Fredrick R. Stater
 SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

702-651-2200
 AREA CODE NUMBER

10 | 01 | 25
 YEAR MO DAY

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE OF THE REQUIREMENTS FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR EXISTING VIOLATIONS.

(Reference all attachments here)

ATTACHMENT 2

Pond Monitoring Results

Table 1a – Mn-1 Pond Monitoring Information

Date	Flow Into Pond (MGD)	Storage Volume (thousand gallons)	Water Balance (thousand gallon)	Discharge from Pond (thousands gallons)
10/12/09	0.0003	1,795	67.0	0.0
10/26/09		1,795		
11/16/09	0.0004	1,795	58.5	0.0
11/30/09		1,828		
12/07/09	0.0003	1,861	76.2	0.0
12/28/09		1,861		

Table 2a – Mn-1 Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons pumped)
10/12/09	0.0
10/26/09	0.0
11/16/09	0.0
11/30/09	0.0
12/07/09	0.0
12/28/09	0.0

Table 1b – WC East Pond Monitoring Information

Date	Flow Into Pond (MGD)	Storage Volume (thousand gallons)	Water Balance (thousand gallon)	Discharge from Pond (thousand gallons)
10/12/09	0.119	4,140	-620	0.0
10/26/09		3,650		
11/16/09	0.120	3,346	-84.6	0.0
11/30/09		3,234		
12/16/09	0.142	3,099	-473	0.0
12/28/09		3,180		

Table 2b – WC-East Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons pumped)
10/01/09 thru 10/15/09	0.0
10/16/09 thru 10/31/09	0.0
11/01/09 thru 11/15/09	0.0
11/16/09 thru 11/30/09	0.0
12/01/09 thru 12/15/09	0.0
12/16/09 thru 12/31/09	0.0

Note: The new leak detection sump pump (with level sensor) was installed on July 24, 2008. The sump level and pump rate are continuously monitored and recorded on a data logger.

Table 1c – WC-West Pond Monitoring Information

Date	Flow Into Pond (MGD)	Storage Volume (thousands gallons)	Water Balance (thousands gallon)	Discharge from Pond (thousand gallons)
10/12/09	0.017	8,088	259	0.0
10/26/09		8,265		
11/16/09	0.012	8,425	97.9	0.0
11/30/09		8,545		
12/16/09	0.011	8,646	43.4	0.0
12/28/09		8,667		

Table 2c – WC-West Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons pumped)
10/12/09	0.0
10/26/09	0.0
11/16/09	0.0
11/30/09	0.0
12/16/09	0.0
12/28/09	0.0

Table 1d – AP-5 Pond Monitoring Information

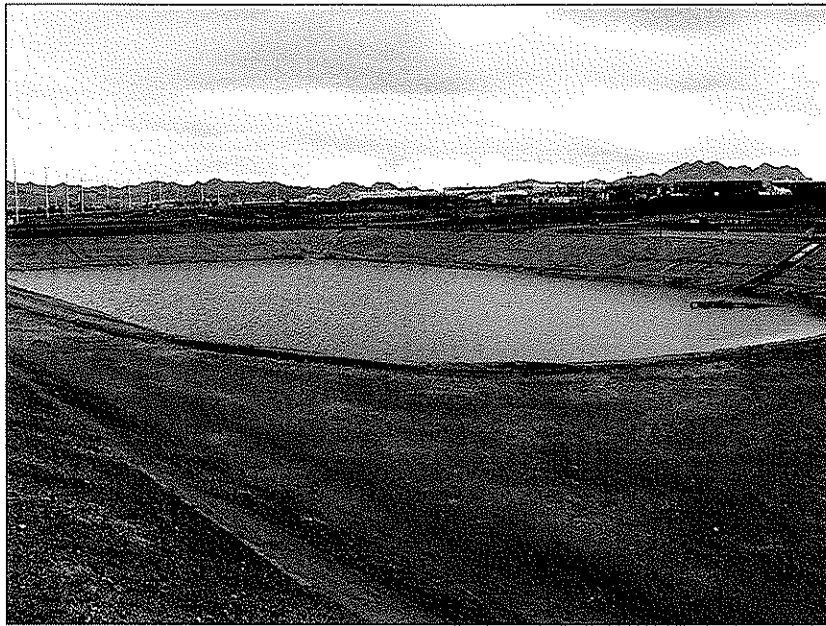
Date	Flow Into Pond (MGD)	Storage Volume (thousand gallons)	Water Balance (thousand gallon)	Discharge from Pond (thousand gallons)
10/12/09	0.006	641	320	0.0
10/26/09		670		
11/16/09	0.012	698	162	0.0
11/30/09		655		
12/16/09	0.010	776	-22.3	0.0
12/28/09		585		

Table 2d – AP-5 Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons pumped)
10/12/09	0.0
10/26/09	0.0
11/16/09	0.0
11/30/09	0.0
12/16/09	0.0
12/28/09	0.0

ATTACHMENT 3

Recent Pond Pictures



WC-East Pond



WC-West Pond



AP-5 Pond



MN-1 Pond