

Fredrick R. Stater Plant Manager (702) 651-2235 Fax (702) 651-2310 Rick.Stater@tronox.com

October 27, 2009

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

SUBJECT: Third 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. Pond liner leakage was not detected during the third quarter of 2009. Pond liner repairs for WC-East are scheduled to begin during the first week of November 2009.

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

## **ATTACHMENT 1**

## Discharge Monitoring Reports

July 2009

August 2009

September 2009

YEAR MO DAY 707)864-0845;p/n11090;v5.01;4/1/96

AREA CODE NUMBER Forms by WindowCher

OFFICER OR AUTHORIZED AGENT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DIMR)

NEV2001516

PERMIT NUMBER

PO BOX 55 HENDERSON, NV 89009-7000

Tronox LLC

ADDRESS:

NAME:

PERMITTEE NAME/ADDRESS:

LOCATION: Henderson, NV

FACILITY: Tronox LLC

NO DISCHARGE DISCHARGE NUMBER 31 07 MONITORING PERIOD 60 0 0 07 60 FROM

Discrete Discrete Calculation Calculation SAMPLE Meter TYPE Flow 09 | 10 | 27 ш DAT NOTE: Read instructions before completing this form Bi-Monthly Bi-Monthly FREQUENCY Bi-Monthly Monthly Monthly ANALYSIS 8 702-651-2200 S X TELEPHONE 0 0 0 0 0 LINI 30 Day Ave (lb/dav) SIGNATURE OF PRINCIPAL EXECUTIVE QUALITY OR CONCENTRATION 7 Day Ave (mg/l) Please see attached Table 2 Please see attached Table 1 Please see attached Table 1 Please see attached Table 1 Monitor and Report Monitor and Report Monitor and Report Monitor and Report 30 Day Ave (mg/l) LOGRITHY NAMES PROJECT OF LAW THAT THIS DOCAMEN'S AND ALL ANGADAGNESS WERE PREMARED TO STREAM AND ANGADAGNESS WERE PROPERED. ANGADAGNESS WERE AND COLABOR PROPERED PRESONNEL PROPERED TO ACTUE. AND EVALUATION THE INFORMATION STREAM OF THE PRESON OF PRESONNEL PROPERED THE AND EVALUATION. THE REPORT WHICH THE PROPERED PROPERED THE PROPERED PROPERED THE PROPERTY OF THE PROPERED THE PROPERTY OF THE PROPERED THE PROPERTY OF THE PROP UNITS MGD QUANTITY OR LOADING Please see attached Table 1 MAXIMUM Monitor and Report AVERAGE SAMPLE MEASUREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT MEASUREMENT MEASUREMENT MEASUREMENT REQUIREMENT REQUIREMENT MEASUREMENT REQUIREMENT REQUIREMENT REQUIREMENT SAMPLE PERMIT NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Fredrick R. Stater Leak Detection Information Water Balance Information Fredrick R. Stater Plant Manager **PARAMETER** Pond Water Level Storage Volume Influent Flow Attn:

COMMENT AND EXPLANATION OF ANY VIOLATIONS TYPED OR PRINTED Facilty Ponds

(Reference all attachments here)

00044/961223-1801

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

NEV2001516 PERMIT NUMBER

001 DISCHARGE NUMBER

MONITORING PERIOD TO

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

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

FACILII Y: I ronox LLC											
LOCATION: Henderson, NV			FROM 09	08   01	то 09	08   31	NO DISC	DISCHARGE			
Attn: Fredrick R. Stater						N	NOTE: Read instructions before completing this form.	ons before corr	pleting th	s form.	
PARAMETER		QUAN	QUANTITY OR LOADING			QUALITY OR CONCE	CONCENTRATION		NO. FREQ	FREQUENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave	LIND	EX	OF T	TYPE
Flow	SAMPLE	Please see at	Please see attached Table 1	MGD	7 FEBRUARY 1				0 Mor	Monthly N	Flow Meter
Influent	PERMIT REQUIREMENT	Monitor a	Monitor and Report			1					
Leak Detection Information	SAMPLE MEASUREMENT				Please see attached Table	ached Table 2			O Bi-M	Bi-Monthly Dis	Discrete
	PERMIT REQUIREMENT				Monitora	Monitor and Report					
Pond Water Level	SAMPLE MEASUREMENT				Please see attached Table	ached Table 1			O Bi-M	Bi-Monthly Dis	Discrete
	PERMIT REQUIREMENT				Monitora	Monitor and Report					
Storage Volume	SAMPLE MEASUREMENT				Please see att	attached Table 1			O Bi-M	Bi-Monthly Cale	Calculation
	PERMIT REQUIREMENT				Monitor a	Monitor and Report					
Water Balance Information	SAMPLE MEASUREMENT				Please see att	attached Table 1			0 Moi	Monthly Cale	Calculation
	PERMIT REQUIREMENT				Monitor a	Monitor and Report					
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COMMENT AND EXPLANATION OF ANY VIOLATIONS	ANY VIOLATIONS		(Referen	(Reference all attachments here)	ents here)			Forms by WindowChem(707)864-0845;p/n11090;v5.01;4/1/96	wChem(707)864	-0845;p/n11090;	v5.01;4/1/96

COMMENT AND EXPLANATION OF ANY VIOLATIONS Facilty Ponds

(Reference all attachments here)

00044/961223-1801

AREA CODE NUMBER YEAR MO DAY Forms by WindowChem(707)864-0845;p/n11090;v5.01;4/1/96

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NEV2001516 PERMIT NUMBER

ADDRESS: PO BOX 55 HENDERSON, NV 89009-7000

Tronox LLC

NAME:

PERMITTEE NAME/ADDRESS:

Fredrick R. Stater

Attn:

FACILITY: Tronox LLC LOCATION: Henderson, NV

DISCHARGE NUMBER

NOTE: Read instructions before completing this form NO DISCHARGE 30 60 MONITORING PERIOD 60 2 09 | 01 60 FROM

Discrete Discrete Calculation Calculation SAMPLE Meter Flow TYPE 09 | 10 | 27 DATE FREQUENCY Monthly Bi-Monthly Bi-Monthly Bi-Monthly Monthly ANALYSIS PF 702-651-2200 S X TELEPHONE 0 0 0 0 0 LIND 30 Day Ave (lb/dav) SIGNATURE OF PRINCIPAL EXECUTIVE QUALITY OR CONCENTRATION OFFICER OR AUTHORIZED AGENT 7 Day Ave (mg/l) Please see attached Table 2 Please see attached Table 1 Please see attached Table 1 Please see attached Table 1 Monitor and Report Monitor and Report Monitor and Report Monitor and Report 30 Day Ave (mg/l) I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OF SUFFICIENCY OF LAW THAT SYSTEM DESIGNED TO AGREE THAT OF LEAD PERSONS WITH GOWING STRENGE THAT OF THE PROGRAMMOS SUBJECTLY REPROGRAMMOS SUBJECTLY DESPONSIBLE FOR CATHERINGY OF THE PRISADS WHO ANAMOR THE SYSTEM, OF THOSE PERSONS DIRECTLY REPROGRAMMENTED IN PROGRAMMOS THE PRISADS OF REPROBACITON STRAITED.

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COMMENT AND EXPLANATION OF ANY VIOLATIONS TYPED OR PRINTED Facilty Ponds

(Reference all attachments here)

00044/961223-1801

## **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 (Ihousands gallons)	
07/06/09	0.0003	1,763	274	0.0	
07/31/09	0.0003	1,828	2/4	0,0	
08/10/09	0.0004	1,828	365	0.0	
08/31/09	0.0004	1,795	300	0.0	
09/15/09	0.0003	1,795	3.7	0.0	
09/28/09	J 0.0003 [	1,795	0.7	0.0	

Table 2a - Mn-1 Pond Leak Detection Monitoring

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Date	Volume in Detection Well
	(gallons pumped)
07/06/09	0.0
07/31/09	0.0
08/10/09	0.0
08/31/09	0.0
09/15/09	0.0
09/28/09	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)
07/06/09	0.145	5,615	-52.7	0.0
07/31/09	U. 140	4,952	-02.7	0.0
08/10/09	0.450	4,782	-156	0.0
08/31/09	0.150	4,521	-100	0.0
09/15/09	0.151	4,898	00.7	0.0
09/28/09		4,540	-83.7	0.0

Table 2b - WC-East Pond Leak Detection Monitoring

I	Date		Volume in Detection Well (gallons pumped)
07/01/09	thru	07/15/09	0.0
07/16/09	thru	07/31/09	0.0
08/01/09	thru	08/15/09	0.0
08/16/09	thru	08/31/09	0.0
09/01/09	thru	09/15/09	0.0
09/16/09	thru	09/30/09	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)
07/06/09	0.014	8,068	597	0.0
07/31/09	0.014	8,068	1 091	0.0
08/10/09	0.012	8,029	408	0.0
08/31/09	0.012	7,892	400	0.0
09/15/09	0.015	7,931	340	0.0
09/28/09	0.010	8,029	340	0.0

Table 2c - WC-West Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons pumped)
07/06/09	0.0
07/31/09	0.0
08/10/09	0.0
08/31/09	0.0
09/15/09	0.0
09/28/09	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)	
07/01/09	0.006	698	253	0.0	
07/15/09	0.000	771	200	0.0	
08/02/09	0.008	655	267	0.0	
08/18/09	7 0.006	641	201	0.0	
09/01/09	- 0.001	698	157	0.0	
09/15/09	7 0.001	613	101	0.0	

Table 2d - AP-5 Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons pumped)
07/01/09	0.0
07/15/09	0.0
08/02/09	0.0
08/18/09	0.0
09/01/09	0.0
09/15/09	0.0