

# TRONOX

Fredrick R. Stater  
Plant Manager

(702) 651-2233  
Fax (702) 651-2310  
rick.stater@tronox.com

July 19, 2010

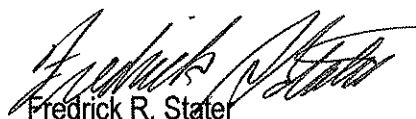
Compliance Coordinator  
Nevada Division of Environmental Protection  
901 South Stewart Street, Suite 4001  
Carson City, NV 89701-5249

SUBJECT: Second Quarter 2010 DMR - Permit NEV2001515 – GW-11 Pond

Tronox LLC, Tronox, maintains a Permit #NEV2001515 covering the synthetically double-lined GW-11 pond operation in Henderson, Nevada. No water was discharged directly from GW-11 pond to the receiving water body. However, water from GW-11 pond (along with other groundwater sources) was treated for perchlorate removal and discharged under the authority of an NPDES permit NV0023060. The attached Discharge Monitoring Reports, DMR's, (Attachment 1) and accompanying tables provide pond operational information.

Should you have any questions concerning this report, please contact Susan M. Crowley at (702) 592-7727 (cell) or e-mail [susan.crowley@tronox.com](mailto:susan.crowley@tronox.com). Thank you.

Sincerely,



Fredrick R. Stater

## Overnight Mail

CC: Please see attached distribution sheet



C:\smc\My  
Documents\Document1

## Attachments

Smc/10 2nd Q GW11 Pond DMR - Cvr Ltr.doc

**Tronox. Adding value beyond the product.**

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

**Tronox Document Distribution List**

Updated:

1-Jul-10

Document Name: Pond Permit NEV2001515DMRs \*

\* Cover letter includes everything but the analytical reports on CD (Data) - and is reproduced in a 2-sided transmittal

Name (Last, First)		Firm	Distribution	
			Hard	e-Copy Cvr Only
Croft	Todd	NDEP		
King	Val	NDEP		
Najima	Jim	NDEP		
Lovato	Greg	NDEP		
Sous	Nadir	NDEP		X
Tirney	Al	NDEP		
Palm	Jon	NDEP		
Harbour	Shannon	NDEP		
Black	Paul	Neptune		
Hackenberry	Paul	Hackenberry		
Copeland	Teri	Neptune		
Gratson	Dave	Neptune		
Otani-Fehling	Joanna	Neptune		
Pohlmann	Brenda	COH		
Conaty	Barry	COH Counsel		
Mulroy	Pat	SNWA		
Goff	Mike	SNWA		
Liesing	Joe	SNWA		
Kaplan	Mitch	EPA, Reg 9		
Compliance Coordinator		NDEP	X	
Compliance Coordinator		DAQEM		
Juma	Ebrahim	CCDAQEM		
Public Repository		Library		
Widman	Roy	Tronox		X
Paque	Matt	Tronox Counsel		X
Stater	Rick	Tronox		X
Crowley	Susan	Crowley Environmental	X	X
Skromyda	Mike	Tronox		X
Bailey	Keith	Environ Answers		X
Krish	Ed	Hydrogeologist		X
Chambers	Deni	Northgate		X
Leavitt	Alan	Northgate		X
Donnelly	Dara	Northgate		X
Willis	Derrick	Northgate		X
Arnold	Cindy	Northgate		X
Otis	Josh	Northgate		X
Lambeth	Jeff	Vedlia		X
Baker	Ken	Chartis		X
Diebenow	Julle	Chartis		X
Giroux	Barry	GEI		
Gibson	Jeff	AmPac		
Stowers	Kirk	Broadbent		
Sahu	Rahnijit	BMI		
Crouse	George	Syngenta		
Erickson	Lee	Stauffer		
Kelly	Joe	Montrose		
Sundberg	Paul	Montrose		
Gibson	Jeff	AmPac		
Richards	Curt	Olin		
Bellotti	Michael	Olin		
Wilkinson	Craig	Timet		
Mack	Joel	Montrose Counsel		

# **ATTACHMENT 1**

## **Discharge Monitoring Reports**

C:\smc\My  
Documents\Excel Spr

**April 2010**

C:\smc\My  
Documents\Excel Spr

**May 2010**

C:\smc\My  
Documents\Excel Spr

**June 2010**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PERMITTEE NAME/ADDRESS:  
 Tronox LLC  
 PO Box 55  
 Henderson, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV2001515  
 DISCHARGE NUMBER: 001

FACILITY: Tronox LLC  
 LOCATION: Henderson, NV  
 ATTN: Susan Crowley

MONITORING PERIOD

FROM 10 | 04 | 01 TO 10 | 04 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	UNIT			
Flow	SAMPLE MEASUREMENT	Please see attached Table 1	MGD	30 Day Ave (mg/l)	0	Monthly	Flow Meter
	PERMIT REQUIREMENT			7 Day Ave (mg/l)			
Influent	SAMPLE MEASUREMENT	Monitor and Report		30 Day Ave (lb/day)			
	PERMIT REQUIREMENT						
Leak Detection Information	SAMPLE MEASUREMENT	-----		Please see attached Table 2	0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT			Monitor and Report			
Pond Water Level	SAMPLE MEASUREMENT	-----		Please see attached Table 1	0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT			Monitor and Report			
Storage Volume	SAMPLE MEASUREMENT	-----		Please see attached Table 1	0	Bi-Monthly	Calculation
	PERMIT REQUIREMENT			Monitor and Report			
Water Balance Information	SAMPLE MEASUREMENT			Please see attached Table 1	0	Monthly	Calculation
	PERMIT REQUIREMENT			Monitor and Report			
	SAMPLE MEASUREMENT						
	PERMIT REQUIREMENT						
	SAMPLE MEASUREMENT						
	PERMIT REQUIREMENT						
	SAMPLE MEASUREMENT						
	PERMIT REQUIREMENT						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER				TELEPHONE	DATE		
Fredrick R. Stater				702-651-2200	10   07   01		
Plant Manager				SIGNATURE OF PRINCIPAL EXECUTIVE			
TYPED OR PRINTED				OFFICER OR AUTHORIZED AGENT			
COMMENT AND EXPLANATION OF ANY VIOLATIONS				AREA CODE NUMBER			
Pond GW-11				702-651-2200			
				YEAR MO DAY			
				10   07   01			

I 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. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SERIOUS PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

Forms by WindowChem/7071864-9845;ant1090;v5.01;4/1/98

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PERMITTEE NAME/ADDRESS:  
 Tronox LLC  
 PO Box 55  
 Henderson, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV2001515  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

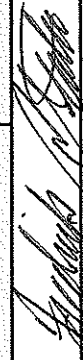
FACILITY: Tronox LLC  
 LOCATION: Henderson, NV  
 ATTN: Susan Crowley

MONITORING PERIOD

FROM 10 | 05 | 01 TO 10 | 05 | 31

NO DISCHARGE

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	SAMPLE MEASUREMENT					0	Monthly	Flow
	PERMIT REQUIREMENT	Please see attached Table 1	MGD					Meter
Influent	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	Monitor and Report						
Leak Detection Information	SAMPLE MEASUREMENT					0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT			Please see attached Table 2				
Pond Water Level	SAMPLE MEASUREMENT					0	Bi-Monthly	Discrete
	PERMIT REQUIREMENT			Monitor and Report				
Storage Volume	SAMPLE MEASUREMENT					0	Bi-Monthly	Calculation
	PERMIT REQUIREMENT			Please see attached Table 1				
Water Balance Information	SAMPLE MEASUREMENT					0	Monthly	Calculation
	PERMIT REQUIREMENT			Please see attached Table 1				
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Monitor and Report				
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Monitor and Report				
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT			Monitor and Report				
I 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. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATION.								
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER						TELEPHONE		DATE
Fredrick R. Stater						702-651-2200		10   07   01
Plant Manager						AREA CODE NUMBER		YEAR   MO   DAY
TYPED OR PRINTED						702-651-2200		10   07   01
SIGNATURE OF PRINCIPAL EXECUTIVE						OFFICER OR AUTHORIZED AGENT		
								

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 Pond GW-11

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

PERMITTEE NAME/ADDRESS:  
**Tronox LLC**  
**PO Box 55**  
**Henderson, NV 89009-7000**

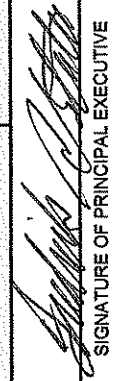
PERMIT NUMBER: **NV2001515**  
 DISCHARGE NUMBER: **001**

FACILITY: **Tronox LLC**  
 LOCATION: **Henderson, NV**  
 ATTN: **Susan Crowley**

MONITORING PERIOD  
 FROM **10 | 06 | 01** TO **10 | 06 | 30**

NO DISCHARGE

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)				30 Day Ave (lb/day)	UNIT		
<b>Flow</b>	SAMPLE MEASUREMENT	Please see attached Table 1	MGD	-----	-----	-----	-----	Flow Meter				
	PERMIT REQUIREMENT								Monitor and Report			
<b>Influent</b>	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----	-----	-----				
	PERMIT REQUIREMENT								Monitor and Report			
<b>Leak Detection Information</b>	SAMPLE MEASUREMENT	-----	-----	Please see attached Table 2	-----	-----	-----	Discrete				
	PERMIT REQUIREMENT								Monitor and Report			
<b>Pond Water Level</b>	SAMPLE MEASUREMENT	-----	-----	Please see attached Table 1	-----	-----	-----	Discrete				
	PERMIT REQUIREMENT								Monitor and Report			
<b>Storage Volume</b>	SAMPLE MEASUREMENT	-----	-----	Please see attached Table 1	-----	-----	-----	Calculation				
	PERMIT REQUIREMENT								Monitor and Report			
<b>Water Balance Information</b>	SAMPLE MEASUREMENT	-----	-----	Please see attached Table 1	-----	-----	-----	Calculation				
	PERMIT REQUIREMENT								Monitor and Report			
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----	-----	-----				
	PERMIT REQUIREMENT								-----			
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----	-----	-----				
	PERMIT REQUIREMENT								-----			
I 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 GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWN VIOLATIONS.												
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER <b>Fredrick R. Stater</b> <b>Plant Manager</b>				SIGNATURE OF PRINCIPAL EXECUTIVE  OFFICER OR AUTHORIZED AGENT					TELEPHONE <b>702-651-2200</b>		DATE <b>10   07   01</b>	
TYPED OR PRINTED				AREA CODE NUMBER <b>702-651-2200</b>		YEAR MO DAY <b>10   07   01</b>		Firms by WinslowChem (707)954-8845;aim1109c;v.01;4/1/98				

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
**Pond GW-11**

(Reference all attachments here)

## **ATTACHMENT 2**

### **Pond Monitoring Results**

C:\smc\My Documents\Excel Spr      C:\smc\My Documents\Excel Spr  
**Pond Data**

C:\SMC\My Documents\Excel Spr  
**Water Balance**

**Table 1 – GW-11 Pond Monitoring Information**

Date	Flow Into Pond (MGD)	Storage Volume (thousand gallons)	Water Balance (Mgallons)	Flow from Pond to FBR's * (thousand gallons)
4-1-10	-0.065	9,076		1,589
4-15-10		9,460	-5.17	1,618
5-1-10	0.129	6,295		1,492
5-15-10		14,162	-0.34	1,921
6-1-10	0.009	10,116		1,889
6-15-10		9,528	-4.72	1,434

\* No water discharged directly from the pond to the receiving water body.

**Table 2 – GW-11 Pond Leak Detection Monitoring**

Date	Volume in Detection Well (gallons)
4-1-10	SE – Dry
"	SW – 250
"	NW – Dry
"	NE – Dry
4-15-10	SE – Dry
"	SW – 250
"	NW – Dry
"	NE – Dry
5-6-10	SE – Dry
"	SW – 350
"	NW – Dry
"	NE – Dry
5-20-10	SE – Dry
"	SW – 250
"	NW – Dry
"	NE – Dry
6-3-10	SE – Dry
"	SW – 375
"	NW – Dry
"	NE – Dry
6-17-10	SE – Dry
"	SW – 365
"	NW – Dry
"	NE – Dry