

Fredrick R. Stater **Plant Manager** 

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

April 22, 2010

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

SUBJECT: First 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. Pursuant to I.A.14, this fourth quarter report also includes a labeled and dated photograph of the G-11 pond.

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. Thank you.

Sincerely,

Overnight Mail

cc: Please see attached distribution sheet

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Attachments

Smc/10 1st Q GW11 Pond DMR - Cvr Ltr.doc

### **Tronox Document Distribution List**

Updated:

21-Apr-10

**Document Name:** 

Pond Permit NEV2001515DMRs \*

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

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Sundberg	Paul	Montrose					
Gibson	Jeff	AmPac					
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Bellotti	Michael	Olin					
Wilkinson	Craig	Timet					
Mack	Joel	Montrose Counsel			<u> </u>		

## **ATTACHMENT 1**

# Discharge Monitoring Reports

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January 2010

C:\smc\My
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February 2010

C:\smc\My
Documents\Excel Spr

March 2010

PERMITTEE NAME/ADDRESS:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NAME:	Tronox LLC

ADDRESS: PO Box 55

Henderson, NV 89009-7000

DISCHARGE MO	NITORING	REPORT	(DMI
10/000/5/5	1 Г		

001 NV2001515 PERMIT NUMBER DISCHARGE NUMBER

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

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

NO DISCHARGE X NOTE: Read instructions before completing this form.

ATTN: Susan Crowley		QUAI	NTITY OR LOADING			QUALITY OR CONCE	ENTRATION	NO. FREQUENCY			SAMPLE	
PARAMETER	$ \times $	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	EX	OF ANALYSIS	TYPE	
Flow	SAMPLE MEASUREMENT	Please see a	ttached Table 1	MGD					0	Monthly	Flow Meter	
Influent	PERMIT REQUIREMENT	Monitor a	and Report		ery red to 1 cm 400		; <b></b>					
Leak Detection Information	SAMPLE MEASUREMENT				Please see att	ached Table 2			0	Bi-Monthly	Discrete	
	PERMIT REQUIREMENT				Monitor a	nd Report						
Pond Water Level	SAMPLE MEASUREMENT				Please see att	ached Table 1			0	Bi-Monthly	Discrete	
	PERMIT REQUIREMENT				Monitor a	nd Report						
Storage Volume	SAMPLE MEASUREMENT				Please see att	ached Table 1			0	Bi-Monthly	Calculation	
	PERMIT REQUIREMENT				Monitor a	nd Report	31 3 T					
Water Balance Information	SAMPLE MEASUREMENT				Please see att	tached Table 1			0	Monthly	Calculation	
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TYPED OR PRINTED										m(707)864-0845;p/		

COMMENT AND EXPLANATION OF ANY VIOLATIONS Pond GW-11

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NAME:	Tronox	LLC

ADDRESS: PO Box 55

Henderson, NV 89009-7000

DISCHARGE MO	NITORING REPORT (DMR)
NV2001515	]

001 PERMIT NUMBER DISCHARGE NUMBER

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

MONITORING PERIOD 02 | 28 FROM 10 | 02 | 01 TO 10 |

NO DISCHARGE X NOTE: Read instructions before completing this form.

ATTN: Susan Crowley		NOTE. Read listiu					ons before c	Jilibie	Ting this form	<del>'''</del>		
PARAMETER		QUAN	NTITY OR LOADING		QUALITY OR CONCENTRATION		NO. FREQU			FREQUENCY		
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	EX	OF ANALYSIS		
Flow	SAMPLE MEASUREMENT	Please see at	tached Table 1	MGD					0	Monthly	Flow Meter	
Influent	PERMIT REQUIREMENT	Monitor a	and Report		espiro Ti							
Leak Detection Information	SAMPLE MEASUREMENT	*****			Please see att	ached Table 2	******		0	Bi-Monthly	Discrete	
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Pond Water Level	SAMPLE MEASUREMENT		*********		Please see att	ached Table 1			0	Bi-Monthly	Discrete	
	PERMIT REQUIREMENT				Monitor a	nd Report	-					
Storage Volume	SAMPLE MEASUREMENT	*********			Please see att	ached Table 1			0	Bi-Monthly	Calculatio	
	PERMIT REQUIREMENT				Monitor a	nd Report						
Water Balance Information	SAMPLE MEASUREMENT				Please see att	ached Table 1			0	Monthly	Calculatio	
	PERMIT REQUIREMENT				Monitor and Report							
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Plant Manager	AWARE	IATION SUBMITTED IS, TO THE BES' THAT THERE ARE SIGNIFICANT PEN ID IMPRISONMENT FOR KNOWING VIO	F OF MY KNOWLEDGE AND BELIEF, TH ALTIES FOR SUBMITTING FALSE INFOR- MATIONS	RUE, ACCURATE, AND MATION, INCLUDING T	HE POSSIBILITY OF	ATURE OF PRINCIPAL		702-651-22	200	10   0	04   22	
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COMMENT AND EXPLANATION OF ANY VIOLATIONS Pond GW-11

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NAME:	Tronox LLC
ADDRESS:	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 | 03 | 01 TO 10 | 03 | 31

NO DISCHARGE X

NOTE: Read instructions before completing this form.

ATTN: Susan Crowley							TE: Read Instruct	ions before c	omple	ting this torn	11.		
PARAMETER		QUANTITY OR LOADING				QUALITY OR CONCENTRATION		QUALITY OR CONCENTRATION				FREQUENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	EX	OF ANALYSIS	TYPE		
Flow	SAMPLE MEASUREMENT	Please see at	ttached Table 1	MGD					0	Monthly	Flow Meter		
Influent	PERMIT REQUIREMENT	Monitor a	and Report										
Leak Detection Information	SAMPLE MEASUREMENT				Please see att	ached Table 2			0	Bi-Monthly	Discrete		
	PERMIT REQUIREMENT				Monitor a	nd Report							
Pond Water Level	SAMPLE MEASUREMENT				Please see att	ached Table 1			0	Bi-Monthly	Discrete		
	PERMIT REQUIREMENT				Monitor a	nd Report							
Storage Volume	SAMPLE MEASUREMENT				Please see att	ached Table 1			0	Bi-Monthly	Calculatio		
	PERMIT REQUIREMENT				Monitor a	nd Report	4 - May	<b>-</b>					
Water Balance Information	SAMPLE MEASUREMENT				Please see att	ached Table 1			0	Monthly	Calculatio		
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Plant Manager	INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PRIALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF SIGNATURE OF PRINCIPAL EXECUTIVE 702-651-2200 10   04   22						4   22						
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COMMENT AND EXPLANATION OF ANY VIOLATIONS Pond GW-11

(Reference all attachments here)

Forms by WindowChem(707)864-0845;p/n11090;v5.01;4/1/96

## **ATTACHMENT 2**

## **Pond Monitoring Results**

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**Pond Data** 

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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)		
1-1-10	-0.063	12,274		1,833		
1-15-10		12,014	3.7	1,637		
2-1-10	-0.071	12,127		1,598		
2-15-10		11,438	4.6	1,437		
3-1-10	-0.066	11,901		1,235		
3-15-10	·	10,590	7.8	1,434		
* No water discharged directly from the pond to the receiving body.						

Table 2 – GW-11 Pond Leak Detection Monitoring

Table 2 - GW-11	Pond Leak Detection Monitorin
Date	Volume in Detection Well
	(gallons)
1-7-10	SE – Dry
tt.	SW – 185
и	NW – Dry
и	NE – Dry
1-21-10	SE – Dry
u	SW - 350
et	NW – Dry
и	NE – Dry
2-4-10	SE – Dry
tt	SW - 270
ec	NW – Dry
u	NE – Dry
2-18-10	SE – Dry
cc cc	SW - 350
rr.	NW – Dry
tt.	NE – Dry
3-4-10	SE – Dry
u	SW - 250
u	NW – Dry
u	NE – Dry
3-18-10	SE – Dry
u	SW - 250
u	NW – Dry
u	NE – Dry