

William K. Taylor Production Manager

(702) 651-2235 Fax (702) 651-2310 Bill.Taylor@tronox.com

July 27, 2009

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

SUBJECT: Second 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 quarter of 2009 some flow was recorded from the leak collection sump in WC-East Pond. This flow gradually decreased to zero in the first quarter, as the pond level was gradually lowered. During the second quarter, plant operations continued to lower the pond level and the automatic leak collection sump pump in WC-East Pond did not record any flow from the leak collection sump.

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

Sincerely,

William K. Taylor Production Manager

Overnight Mail

cc: Mike Skromyda John Hatmaker

ATTACHMENT 1

Discharge Monitoring Reports

April 2009

May 2009

June 2009

	g this form.	FREQUENCY SAMPLE	OF TYPE ANALYSIS	Monthly Meter		Bi-Monthly Discrete		Bi-Monthly Discrete		Bi-Monthly Calculation		Monthly Calculation						DATE		09 07 27	TEA CODE NUMBER YEAK MO UAY Forms by WindowChem(707)864-0845;p/n11090;v5.01;4/1/96	
	X mpleting		Ň	0		0		0		0		0						ЧN		200	ABER owChem(70	
	HARGE		UNIT															TELEPHONE		/02-651-2200	AREA CODE NUMBER Forms by WindowChe	
(NPDES)	NO DISCHARGE X NOTE: Read instructions before completing this form	CONCENTRATION	30 Day Ave (Ib/dav)																	EXECUTIVE FD AGENT		
ISCHARGE ELIMINATION SYSTEM EPORT (DMR) 001 DISCHARGE NUMBER	04 30	QUALITY OR CONCI	7 Day Ave (mg/l)		1	attached Table 2	id Report	attached Table 1	id Report	attached Table 1	ld Report	attached Table 1	nd Report				(Ill A U.		DEFICED OF PRINCIPAL EXECUTIVE		
DISCHARGE MONITORING REPORT (DMR) NEV2001516 NUMBER DISCHARGE NUMBER	MONITORING PERIOD		30 Day Ave (mg/l)			Please see atta	Monitor and Report	Please see atta	Monitor and Report	Please see atta	Monitor and Report	Please see atta	Monitor and				7	ANY DIRECTION	X			nis riere)
NATIONAL DISCHARGE MON NEV2001516 T NUMBER	MONIT 04 01		UNITS	MGD														TERE PREPARED UNDER	250N OR PERSONS WH ATTON, THE INFORMAT ETE. 1 AM AWARE TI	SIBILITY OF FINE AND	(Reference all attachments here	e all allacimie
DISCHARC NEV2001 PERMIT NUMBER	FROM 09	TITY OR LOADING	MAXIMUM	ached Table 1	nd Report													DOCUMENT AND ALL ATTACHNENTS W	a construction the reaction. The structure is a second of the second of	SE INFORMATION, INCLUDING THE POS	(Referenc	רמומומוני
		QUANTITY	AVERAGE	Please see attached	Monitor and Re													TUNDER PENALTY OF LAW THAT THIS	LUATE THE INFORMATION SUBMITTE OR THOSE PERSONS DIRECTLY RESPO	ANT PENALTIES FOR SUBMITTING FAL WING VIOLATIONS.		
89009-7000				SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT	1.000	AND EVA SYSTEM. IS, TO TH	FOR KNO	ANY VIOLATIONS	
PERMITTEE NAME/ADDRESS: NAME: Tronox LLC ADDRESS: PO BOX 55 HENDERSON, NV 89009-7000	FACILITY: Tronox LLC LOCATION: Henderson, NV Attn: William K. Taylor	PARAMETER		Flow	Influent	Leak Detection Information		Pond Water Level		Storage Volume		Water Balance Information						NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	William K. Laylor	TYPED OF PRINTED	COMMENT AND EXPLANATION OF ANY VIOLATIONS	Facility Ponds

00044/961223-1801

PAGE 1 OF 1

	orm.	ICY SAMPLE	TYPE	ly Flow Meter		Ily Discrete		Ily Discrete		ly Calculation		y Calculation						DATE	20120160	-	11090	
	X completing this form	FREQUENCY	OF ANALYSIS	Monthly		Bi-Monthly		Bi-Monthly		Bi-Monthly		Monthly							00	YEAR	(707)864-084	
	X	ON	Ж	0		0		0		0		0						IONE	0000-	NUMBER	/indowChem	
	DISCHARGE		UNIT															TELEPHON	702-651-2200	AREA CODE NUMBER	Forms by M	
(NPDES)	NO DISCHARGE	CONCENTRATION	30 Day Ave (lb/dav)															1	EXECUTIVE	ED AGENT		
SCHARGE ELIMINATION SYSTEM EPORT (DMR) 001 DISCHARGE NUMBER	05 31	QUALITY OR CONCE	7 Day Ave (mg/l)		1	attached Table 2	id Report	attached Table 1	ld Report	attached Table 1	id Report	attached Table 1	and Report					Ma CV D	SIGNATURE OF PRINCIPAL			
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) NEV2001516 001 DISCHARGE NUMBER	PERIOI		30 Day Ave (mg/l)		[Please see atta	Monitor and Report	Please see atta	Monitor and Report	Please see atta	Monitor and Report	Please see atta	Monitor an					MY DIRECTION	Y		nts here)	
NATIONAL DISCHARGE MON NEV2001516 T NUMBER	MONITORING		UNITS	MGD														ERE PREPARED UNDEF	LEON OR PERSONS WH ATION, THE INFORMAT ETE. 1 AM AWARE TH SIRULITY OF FIVE AND		(Reference all attachments here,	
DISCHARG NEV2001 PERMIT NUMBER	FROM 09	QUANTITY OR LOADING	MAXIMUM	ached Table 1	Monitor and Report													СЕКПТУ UNDER FEMALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACIMENTS WHERE FEMALTY OF LAW THAT THIS DOCUMENT AND ALL THOUSENESS WAYS DORATING TO ASSUME THAT OLUMENTS AND ALL THOUSENESS AND ALL THOUSENESS AND ALL THOUSENESS AND ALL AND ALL THOUSENESS AND ALL ATTACIMENTS AND ALL THOUSENESS AND ALL THOUSENESS AND ALL THOUSENESS AND ALL THOUSENESS AND ALL THAT OLUMENTS AND ALL THOUSENESS AND ALL THOUSENESS AND ALL THAT OLUMENTS AND AL	TADD EVALUATE INFORMATIONS STRUMTIND JAND ON WITHOUT OF THE REPORTATIONS WHO ANALYDIT 18 YSTFLA OF THE REPORATIONS STRUMTIND AND STRUMEND ON THE REPORTATIONS T		(Referenc	
		QUAN	AVERAGE	Please see attached	Monitor a													UNDER PENALTY OF LAW THAT THIS VISION IN ACCORDANCE WITH A SYS	LUATE THE INFORMATION SUBMITTI OR THOSE PERSONS DIRECTLY RESPO E BEST OF MY KNOWLEDGE AND B MY PENALTES FOR SUBMITTING FAI	OR KNOWING VIOLATIONS.		
89009-7000				SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	SAMPLE MEASUREMENT	PERMIT REQUIREMENT		AND EVA SYSTEM. IS, TO TH SIGNIFIC	FOR KNO	NY VIOLATIONS	
PERMITTEE NAME/ADDRESS: NAME: Tronox LLC ADDRESS: PO BOX 55 HENDERSON, NV 89009-7000	FACILITY: Tronox LLC LOCATION: Henderson, NV Attn: William K. Taylor	PARAMETER		Flow	Influent	Leak Detection Information		Pond Water Level		Storage Volume		Water Balance Information						NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	Production Manager	TYPED OR PRINTED	COMMENT AND EXPLANATION OF ANY VIOLATIONS Facilty Ponds	

00044/961223-1801

PAGE 1 OF 1

PERMITTEE NAME/ADDRESS: NAME: Tronox LLC ADDRES: PO BOX 55 HENDERSON, NV 89009-7000	89009-7000		DISCHARC NEV2001 PERMIT NUMBER	INATIONAL ISCHARGE MON EV2001516 VUMBER	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) NEV2001516 DISCHARGE NUMBER	EPORT (DMR) EPORT (DMR) 001 DISCHARGE NUMBER	(NPDES)				
FACILITY: Tronox LLC LOCATION: Henderson, NV Attn: William K. Tavlor			FROM 09	MONIT 06 01	MONITORING PERIOD	JG 30	NOTE: Read instructions before completing this form	DISCHARGE	X moleting th	is form	
PARAMETER		QUAN	QUANTITY OR LOADING			QUALITY OR CONCENTRATION	ENTRATION		NO. FREDI		SAMPI F
	$\left\langle \right\rangle$	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (Ib/dav)	UNIT			ТҮРЕ
Flow	SAMPLE MEASUREMENT	Please see attached	tached Table 1	MGD					0 Mor	Monthly Me	Flow Meter
Influent	PERMIT REQUIREMENT	Monitor a	Monitor and Report								
Leak Detection Information	SAMPLE MEASUREMENT				Please see attached	ached Table 2			0 Bi-Mo	Bi-Monthly Disc	Discrete
	PERMIT REQUIREMENT				Monitor and Report	ld Report					
Pond Water Level	SAMPLE MEASUREMENT				Please see atta	attached Table 1		-	0 Bi-Mo	Bi-Monthly Disc	Discrete
	PERMIT REQUIREMENT				Monitor ar	and Report					
Storage Volume	SAMPLE MEASUREMENT				Please see atta	attached Table 1			0 Bi-Mo	Bi-Monthly Calcu	Calculation
	PERMIT REQUIREMENT				Monitor and Report	ld Report					
Water Balance Information	SAMPLE MEASUREMENT				Please see atta	attached Table 1			0 Mor	Monthly Calcu	Calculation
	PERMIT REQUIREMENT				Monitor and Report	ld Report					
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER William K Tavlor	1	UNDER PENALTY OF LAW THAT THIS VISION IN ACCORDANCE WITH A SYS	E DOCUMENT AND ALL ATTACHMENTS V STEM DESIGNED TO ASSURE THAT QUA	VERE PREPARED UNDER	R MY DIRECTION	lh CC Q		TELEPHONE	ONE	DATE	
Production Manager	SYSTEM, C SYSTEM, C SIGNIFICA SIGNIFICA	DATE THE INFORMATION SUBMITT OR THOSE PERSONS DIRECTLY RESP. E BEST OF MY KNOWLEDGE AND B MT PENALTIES FOR SUBMITTING FAI	ASOFT ALONG THE REQUARDS SHARTED AND ON AT PROPAGATOR TO THE REQUIRE THE REQUARDS WAY ANALE THE SYSTEM OF A THE REQUARDS SHARTED AND ON AT PROPAGATOR THE REQUARDS AND ANALE THE SYSTEM OF A THE REMARDS DIRECTLY RESONANCE TO A THERMO THE ROOMATION THE REQUARDS WAY ANALE THE SYSTEM OF A THE REMARDS DIRECTLY RESONANCE AND ALL AND A THERMO THE ROOMATION SHARTED SYSTEM OF A THE REMARDS DIRECTLY RESONANCE AND ALL AND A THERMO THE ROOMATION OF A THE REMARDS AND ANALE THE SYSTEM OF A THE REMARDS DIRECTLY RESONANCE AND ALL AND A THE ROOMATION OF A THE ROOMATION SHARTED SYSTEM OF A THE REMARDS DIRECTLY RESONANCE AND ALL AND A THE ROOMATION AND A THE REMARDS AND ANALE THE REMARDS AND ANALE AND A THE ROOMATION AND A THE REMARDS AND ANALE AND A THE REMARDS AND ANALE AND A THE ROOMATION AND A THE ROOMATION AND A THE ROOMATION AND A THE REMARDS AND ANALE AND A THE ROOMATION AND A THE ROOMA	RSON OR PERSONS WH IATION, THE INFORMAT LETE. 1 AM AWARE TI SSIBILITY OF FINE AND		SIGNATURE OF PRINCIPAL EXECUTIVE	EXECUTIVE	702-651-2200	004440	09 07 27	
TYPED OR PRINTED	FOK NNOV	VING VIOLATIONS.				OFFICER OR AUTHORIZED AGENT	ED AGENT	AREA CODE NUI	MBER	AREA CODE NUMBER YEAR MO DAY	X
COMMENT AND EXPLANATION OF ANY VIOLATIONS Facilty Ponds	NY VIOLATIONS		(Referenc	(Reference all attachments here)	nts here)			Forms by Wind	lowChem(707)864-	-0845;p/n11090;v5.0	.01;4/1/96

00044/961223-1801

PAGE 1 OF 1

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)
04/06/09	0.0003	1,763	407	[
04/20/09	0.0003	1,763	137	0.0
05/01/09	0.0003	1,763	208	0.0
05/26/09	0.0003	1,763	200	0.0
06/01/09	0.0004	1,763	217	0.0
06/29/09	0.0004	1,763	217	0.0

Table 2a - Mn-1 Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons pumped)
04/06/09	0.0
04/20/09	0.0
05/01/09	0.0
05/26/09	0.0
06/01/09	0.0
06/29/09	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)
04/06/09		9,128		
04/20/09	0.170	8,787	-520	0.0
05/01/09	0.131	8,334	010	0.0
05/26/09	0.131	6,973	-912	0.0
06/01/09	0.149	6,821	-709	0.0
06/29/09	_ 0.149	5,816	-709	0.0

Table 2b - WC-East Pond Leak Detection Monitoring

)ate		Volume in Detection Well (gallons pumped)
04/01/09	thru	04/15/09	North – 0.0
11		II.	South – 0.0
04/16/09	thru	04/30/09	North – 0.0
Ħ		ŧ	South – 0.0
05/01/09	thru	05/15/09	North – 0.0
Ĥ		li	South – 0.0
05/16/09	thru	05/31/09	North – 0.0
11		h	South - 0.0
06/01/09	thru	06/15/09	North – 0.0
11		13	South – 0.0
06/16/09	thru	06/30/09	North – 0.0
44		1)	South – 0.0

<u>Note:</u> 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.

Date	Flow Into Pond (MGD)	Storage Volume (thousands gallons)	Water Balance (thousands gallon)	Discharge from Pond (thousand gallons)
04/06/09	0.016	8,606	164	0.0
04/20/09	0.010	8,646	104	0.0
05/01/09	0.010	8,606	308	0.0
05/26/09	0.010	8,385	300	0.0
06/01/09	0.010	8,345	450	0.0
06/29/09	0.010	8,166	450	0.0

Table 1c - WC-West Pond Monitoring Information

Table 2c - WC-West Pond Leak Detection Monitoring

Date	Volume in Detection Well (gallons pumped)
04/06/09	North – 0.0
04/06/09	South – 0.0
04/20/09	North – 0.0
04/20/09	South – 0.0
05/01/09	North – 0.0
05/01/09	South – 0.0
05/26/09	North – 0.0
05/26/09	South – 0.0
06/01/09	North – 0.0
06/01/09	South – 0.0
06/29/09	North – 0.0
06/29/09	South – 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)
04/01/09	0.014	641 ·	224	0.0
04/15/09	0.014	712	224	0.0
05/01/09	0.005	712	219	0.0
05/19/09	0.000	683	219	0.0
06/02/09	0.003	771	216	0.0
06/25/09	0.003	641	210	0.0

Table 2d – AP-5 Pond Leak Detection Monitoring
--

ona zoun zouooden montennig
Volume in Detection Well
(gallons pumped)
0.0
0.0
0.0
0.0
0.0
0.0