

Fredrick R. Stater Plant Manager (702) 651-2233 Fax (702) 651-2310 Rick.Stater@tronox.com

January 27, 2009

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

SUBJECT: Fourth Quarter 2008 DMR - NPDES Permit # NV0000078

Tronox LLC (Tronox) maintains an NPDES Permit #NV0000078 covering its production operations in Henderson, Nevada. The attached Discharge Monitoring Reports (Attachment 1) reflect discharge from the Tronox Henderson facility as monitored by NPDES equipment. Stabilized water, from water leaks, discharged through the outfall collection systems for brief periods are quantified in Table 1a, below. Storm water discharge is quantified in Table 1b, below.

	iavic la. N	OIPOLOINI I IOW TOTAL	3
Outfall	October Flow (thousands of gallons)	November Flow (thousands of gallons)	December Flow (thousands of gallons)
001	0 a	0 a	0 a
002	1.08	2.78	0
003	0	0	0

Table 1a. Non-Storm Flow Totals

Table 1b.	Stormwater	Flow	Totals
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Outfall	October Flow (thousands of gallons)	November Flow (thousands of gallons)	December Flow (thousands of gallons)
001	0ª	0 a	() a
002	0	1.21	5.40
003	0	0	0

^a Although minor flows were recorded on the flow meter, due to the low flows & overall length of the onsite storm water ditch, water was contained onsite and was not discharged off site.

Analytical associated with outfall flow is attached to this report. Should you have any questions concerning this report, please contact Mike Skromyda at (702) 651-2228 or e-mail michael.skromyda@tronox.com Thank you.

Sincerely,

Fredrick R. Stater

Plant Manager

Overnight Mail cc: Mike Skromyda Matt Paque

Attachments

Tronox LLC 8000 West Lake Mead Parkway, Henderson, Nevada 89015 · P.O. Box 55, Henderson, Nevada 89009

ATTACHMENT 1

Discharge Monitoring Reports

October 2008

November 2008

December 2008

Discharge Monitoring Report

October 2008

JERMITTEE NAME/ADDRESS: NAME: Tronox LLC		L	DISCHARG	E MONITO	TANT DISCHARGE ELI	MINATION SYSTEM	(NPDES)	DISCHAR	GE - 001		
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FACILITY: Tronox LLC	-			AONITO	RING PERIO	6			Ā		
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PAGE 1 OF 1

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DISCHARGE 002

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PAGE 1 OF 1

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PAGE 1 OF 2

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

001 STORMWATER MONITORING

001 B DISCHARGE NUMBER

NV0000078 PERMIT NUMBER

MONITORING PERIOD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DIMR)

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NO DISCHARGE

PAGE 2 OF 2

AREA CODE NUMBER YEAR MO DAY Forms by WardowChem(707)884-0845;ptn11090;v5.01;4/189

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(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

TYPED OR PRINTED

00044/961223-1801

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

FACILITY: Tronox LLC LOCATION: BMI Park - Henderson

002 B DISCHARGE NUMBER FROM 08 10 01 TO 08 10 31 MONITORING PERIOD NV0000078 PERMIT NUMBER

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002 STORMWATER MONITORING

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

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PAGE 1 OF 2

PERMITTEE NAME/ADDRESS AD

	NV 89009-7000	
PO Box 55	Henderson,	
DRESS:		

FACILITY:	Tronox LLC
LOCATION:	BMI Park - Hende
Attn:	Mike Skromvda

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QUANTITY OR LOADING

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002 STORMWATER MONITORING

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

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PAGE 1 OF 2

AREA CODE NUMBER YEAR MO DAY coms by WindowChem/(707)864-0845;pin11090;y5:01;4/1/05

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

Plant Manager TYPED.OR.PRINTED

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E/ADDRESS:	Tronox LLC	PO Box 55	Londorohu
ERMITTEE NAM	VAME:	ADDRESS:	

	VV 89009-7000	
	PO Box 55 Henderson, 1	
AME:	DDRESS:	

BMI Park - Henderson Mike Skromyda Tronox LLC OCATION: FACILITY: Attn:

PARAMETER

	MONITORING PERIOD
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003 STORMWATER MONITORING

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

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SUS

MAXIMUM

REPORT

MUMINIM

SAMPLE MEASUREMENT

REPOR

PERMIT RECURREMENT

EFFLUENT GROSS VALUE

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(AS SO4)

SULFATE, TOTAL

QUALITY OR CONCENTRATION

(19)	0		
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MG/L		ONCE/ DISCHG	DISCRT

DAILY MX

OPTIONAL 30DA AVG

**** ****

PERMIT REQUIREMENT

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SOLIDS, TOTAL

DISSOLVED

SAMPLE MEASUREMENT

REPOR1

REPORT DAILY WX

OPTIONAL SODA AVG

PERMIT RECUREMENT

70295 1 0 0 EFFLUENT GROSS VALUE

SAMPLE MEASUREMENT

REQUIREMENT

DISCRT

ONCEV

MG/L (19)

REPORT DAILY WX

OPTIONAL 30DA AVG

PERMIT

EFFLUENT GROSS VALUE

MANGANESE, TOTAL

(AS MN)

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(19)

DISCRT

ONCE

MG/L

DAILY WX

REPORT

OPTIONAL 30DA AVG

PERMIT

EFFLUENT GROSS VALUE

PERCHLORATE (CLO4)

SAMPLE MEASUREMENT

SAMPLE MEASUREMENT

0

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TELEPHONE		702-651-2200	AREA CODE NUMBER	s by WindowChem(707)s
1 18 Long	e ul titule	INCIPAL EXECUTIVE	THORIZED AGENT	Fam

PERMIT

SAMPLE

DATE

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	J CERTIFY UNDER FEMALTF OF LAW THAT THIS INCURENT AND ALL ATTACHMENTS WHEE PRIPARED Income up theory of streamistics of approximance with A system DESIGNED TO ASSUME THAT	
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COMMENT AND EXPLANATION OF ANY VI	OLATIONS (Reference all attachments her	(e)

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00044/961223-1801

PAGE 1 OF 1

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COMMENT AND EXPLANATION OF ANY VIOLATIONS No Discharge

Discharge Monitoring Report

November 2008

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PERMITTEE NAME/ADDRESS: NAME: Tronox LLC			DISCHARG	NAL POLLU	TANT DISCHARGE ELI	MINATION SYSTEM (DMR)	(NPDES)	DISCHARC	яе - 001	
ADDRESS: PO Box 55 Henderson, NV	/ 89009-700	0	PERMIT NUM	BER	DISCHAI	RGE NUMBER		F - FINAL MAJOR		
FACILITY: Tronox LLC				NONITO	RING PERIOI	0		i	ſ	
LOCATION: BMI Park - He After: Mike Skromve	enderson da		FROM 08 1	1 01	TO 08 1	1 30	NO DISCHA NOTE: Read inst	RGE	X fore comp	leting this form
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COMMENT AND EXPLANATION	UOF ANY VIOL	ATIONS	(Refere)	nce all attaci	hments here)	bun ottomo boo	redaaito taa aan	her		
Note: Although a relatively si	mall water flow	v was recorded a	at this monitoring	station, 1	flow was contain	ned onsite and	Was fiut uischar			

PAGE 1 OF 1

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LUCCATION: Image: Mail and	FACILITY: Tronox LLC				MONITC	RING PERIOD			1 (ſ		
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TERMERATURE, WATER Macutable		$\left\langle \right\rangle$	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNIT	EX ANALO	LYSIS TY	Щ.
0000 1 0	TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	****		****	25	31	(04)	0		
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Composite sampler was unable to sample these low flows.

PAGE 1 OF 1

Tronox LLC PERMITTEE NAME/ADDRESS: ADDRESS: NAME:

001 B DISCHARGE NUMBER MONITORING PERIOD 10 08 11 01 NV000078 PERMIT NUMBER FROM PO Box 55 Henderson, NV 89009-7000 FACILITY: Tronox LLC LOCATION: BMI Park - Henderson Attn: Mike Skromvda

MAJOR NO DISCHARGE X NOTE: Read instructions before completing this form 8 08 11

001 STORMWATER MONITORING

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

F - FINAL

	$ \Lambda $		ITY OR LOADING			JALITY OR CONC	ENTRATION	TINI	NO. FRED	DUENCY S	AMPLE
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REQUIREMENT				****		OPTIONAL 30DA AVG	REPORI DAILY WX	MG/L	Ф <u></u> б	NCH SOLO	DSOR 1
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AMPRISONMENT FOR KNOWING VIOLATIONS.	MPRISONMENT FOR KNOWTNG VIOLATIONS.	VIIONS,			110	FICER OR AUTHOR	SIZED AGENI	AREA CODE	NUMBER	YEAR M	U UAT

Note: Although a relatively small water flow was recorded at this monitoring station, flow was contained onsite and was not discharged. (Reference all attachments here) COMMENT AND EXPLANATION OF ANY VIOLATIONS

TYPED OR PRINTED

PAGE 1 OF 2

00044/961223-1801

AREA CODE NUMBER YEAR MO DAY Forms by WindowChem(707)864-0845;pin11095;v5:01:471/85

OFFICER OR AUTHORIZED AGENT

ES) STORMWATER MONITORING	MAJOR DISCHARGE X	E: Read instructions before completing this form	ALIUN NO. FREQUENC SAMPLE	CIMUM UNIT EX OF TYPE	(19) 0	ALPOINT MG/L DISCHE	(19) 0	REPORT ONCE DISCRT ALLY MIX MG/L	(19) 0	REPORT ONCE DISCRET									TELEPHONE DATE	ECUTIVE TWO REAL 22001 09 01 27	
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/ 89009-7000	enderson	da			SAMPLE MFASLIREMENT	REQUIREMENT	SAMPLE MEASUREMENT	RECUREMENT	SAMPLE	REGUREMENT	SAMPLE	REQUIREMENT	SAMPLE MEASUREMENT	RECUREMENT	SAMPLE MEASUREMENT	PERMIT	SAMPLE	PERMIT		UCON UCON UCON	PENAL PROM
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فالشطري فيلترك والالا فرائده والاردار والدوار

00044/961223-1801

PAGE 2 OF 2

E/ADDRESS:	Tronox LLC	PO Box 55
ERMITTEE NAM	NAME:	ADDRESS:

www.www.www.www.www.

89009-7000	
Henderson, NV	Tronox LLC

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (MPDES) DISCHARGE MONITORING REPORT (DIIR) NV0000078 002 B 002 STORMWATER MONITORING PERMIT NUMBER F - FINAL	FROM 08 11 01 TO 08 11 30 NO DISCHARGE	NOTE: Read instructions before completing this totil	QUANTITY OK EUAUNG CONTRACT ON CONTRACT OF AND THE OF TYPE	GE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNIT ANALYSIS	· · · · · · · · · · · · · · · · · · ·	THE REPORT REPORT REPORT ONCE DISCRET	* ****** 11 11 (19) 0	••••••••••••••••••••••••••••••••••••••	* ***** 3.8 3.8 (19) 0	Contract and a contract and contract and contract and a contract and a contract and a contr	* ****** 3.3 3.3 (19) 0	* ***** **** **** OPTIONAL REPORT ONCE DISORD	* ***** 0.78 0.78 (19) 0	The second se	* ***** 3.2 (19) 0	Contraction of the contract	001 0.001 (.03) ****** ***** 0	DRT REPORT AVG DAILY MX MGD *****	ТУ ОГ ИМ ТИЛ ТИК РОССИНИТА ИЛИ АТТАСИИНАТК ИТНЕ БЕЛИКОР Л Г 7 Л Г 7 Л Г 7 ТЕLEPHONE DATE	A DESTRUCTION OF A DEST	
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60068 /	enderson	da			SAMPLE	PERMIT	SAMPLE	PERMIT	SAMPLE MEASUREMENT	REQUIREMENT	SAMPLE SAMPLE MEASUREMENT	PERMIT	SAMPLE MEASUREMENT	PERMIT	SAMPLE MEASUREMENT	REOUREMENT	SAMPLE	RECUREMENT		CODER COLUE COLUER COLU	(man)
ME: Tronox LLC ME: Tronox LLC DRESS: PO Box 55 Henderson, NV	ACILITY: Tronox LLC DCATION: BMI Park - He	tn: Mike Skromy	PARAMETER			7400 1 0 0 FFLUENT GROSS VALUE	DLIDS, TOTAL USPENDED	530 1 0 0 FFLUENT GROSS VALUE	ITROGEN, AMMONIA DTAL (AS N)	0610 1 0 0 FFILIENT GROSS VALUE	ITRITE PLUS NITRATE DTAL 1 DFT (AS N)	0630 1 0 0 FELUENT GROSS VALUE	HOSPHORUS, TOTAL	0665 1 0 0 FFILIENT GROSS VALUE	01 AND GREASE	3582 1 0 0 FFELUENT GROSS VALUE	LOW, IN CONDUIT OR HRU TREATMENT PLANT	0050 1 0 0 FEI HENT GROSS VALUE	AME / TITLE PRINCIPAL EXECUTIN	redrick R. Stater	

00044/961223-1801

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Tronox LLC PERMITTEE NAME/ADDRESS: ADDRESS: NAME:

Second Second

الواليران المراجع بماريوس

002 STORMWATER MONITORING

002 B DISCHARGE NUMBER

NV000078 PERMIT NUMBER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

F - FINAL MAJOR

MONITORING PERIOD

PO Box 55 Henderson, NV 89009-7000

Tronox LLC	BMI Park - Hendersc	Mike Skromyda
FACILITY:	LOCATION:	Attn:

lenderson
17

N: BMI Park - Henderson Mike Skromvda	ARAMETER	AVER	COD4) SAMPLE ****	0 0 GROSS VALUE REQUIREMENT	OTAL DISSOLVED MEASUREMENT ****	0 0 GROSS VALUE	OXYGEN SAMPLE **** (COD) MEASUREMENT ****	0 0 1 GROSS VALUE	SAMPLE MEASUREMENT	RECONFERENCE	SAMPLE	PERMIT PERODUNENT	SAMPLE MEASUREMENT	RECOURTING	SAMPLE MEASUREMENT
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PAGE 2 OF 2

YEAR MO DAY 4-0845;p/m11090;v5.01;4/1/96 09 01 27

AREA CODE NUMBER

orms by

702-651-2200

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

TYPED OR PRINTED

DATE

TELEPHONE

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

Records of constraints and a second

003 STORMWATER MONITORING

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

003 B DISCHARGE NUMBER

NV0000078 PERMIT NUMBER

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EACILITY: Tronov LLC				MONITC	DRING PERIO	0	MAJOR	1			
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No Discharge

Discharge Monitoring Report

December 2008

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Note : Although a relatively small water flow was recorded at this monitoring station, flow was contained onsite and was not discharged.

			leting this form	SNCN SAMPLE	TYPE SIS		IN RCORDR		E DISCRI		Ine RCORDR		E DISCRI		EV DISCRT		PE DISCRT		B DISCRT	DATE	9101127	AR MO DAY	cp/n11090;v5.01:4/1/96
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PERMITTEE NAME/ADDRESS: NAME: Tronox LLC ADDRESS: PO Box 55 Hendérson: NV		FACILITY: Tronox LLC	LOCATION: BMI Park - H Attn: Mike Skromv	PARAMETER		TEMPERATURE, WATER DEG: CENTIGRADE	00010 1 0 0 EFFLUENT GROSS VALUE	Hd	00400 1 0 0 EFFLUENT GROSS VALUE	FLOW, IN CONDUIT OR THRU TREATMENT PLANT	50050 1 0 0 EFFLUENT GROSS VALUE	PERCHLORATE (CIO4)	61209 1 0 0 EFFLUENT GROSS VALUE	SOLIDS, TOTAL DISSOLVED	70295 IN 0 INCREASE (NOT END OF PIPE)					NAME / TITLE PRINCIPAL EXECUTI	Fredrick R. Stater		

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PERMITTEE NAME/ADDRESS: NAME: Tronox LLC ADDRESS: PO Box 55	Henderson, NV	FACILITY: Tronox LLC	LOCATION: BMI Park - H After Mike Skronw	PARAMETER		TEMPERATURE, WATER	00010 1 0 0 EFFLUENT GROSS VALUE	Hợ	00400 1 0 0 EFFLUENT GROSS VALUE	FLOW, IN CONDUIT OR THRU TREATMENT PLANT	50050 1 0 0 EFFLUENT GROSS VALUE	PERCHLORATE (CIO4)	61209 1 0 0 EFFLUENT GROSS VALUE	SOLIDS, TOTAL DISSOLVED	70295 IN 0 INCREASE (NOT END OF PIPE)	······································				NAME / TITLE PRINCIPAL EXECUTI	Fredrick R. Stater	Plant Wanager TYPED OR PRINTED	COMMENT AND EXPLANATION

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PAGE 1 OF 1

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PERMITTEE NAME/ADDRESS: NAME: Tronor 11 C			DISCHARG	ONAL POLLU	TANT DISCHARGE ELI	MINATION SYSTEM	(NPDES)				
ADDRESS: PO Box 55 Henderson, NV	/ 89009-700	Ġ	NV00 PERMIT NUM	00078 BER	DISCHA	001 B RGE NUMBER	001 STORIMWAT	ER MONI	TORIN	(ħ	
FACILITY Tronox LLC				MONITO	RING PERIOI	6	MAJOR				
LOCATION: BMI Park - H	enderson		FROM 08	12 01	TO 08 1	2 31	NO DISCHA NOTE: Read inst	RGE	efore of	phieting	this form
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Plant Manager	EVON PENAL	LEDGE AND BELIEF, TRUF, ACCU THES FOR SUMMITING FAILSE OSMENT FOR ENOWING VIOLATI	ATE, AND COMPLETE, I AM AWA INPRAMATION, INCLUMING 7 DNN	NULTRATT THERE AS	OF THE AND SIGNAL	URE OF HRINUIP	IL EXECUTIVE	702-651-2 AREA CODE 1	200 NUMBER	VEAR M	1∠/ 0 DAY
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Note : Although a relatively s	mall water flov	v was recorded	at this monitorin	g station,	flow was contai	ned onsite and	was not dischai	rged.			

00044/961223-1801

PAGE 1 OF 2

REMITTEE NAME/ADDRESS. NAME: Tronox LLC ADDRESS: PO Box 55 Henderson, NV	002-60068 /	0	DISCHARG NVOC PERMIT NUN	DINAL POLLU	DRING REPORT	MINATION SYSTEM (DMR) 001 B RGE NUMBER	(WPDES) 001 STORMWAT F - FINAL	FER MONIT	ORING	
FACILITY: Tronox LLC	andareon			MONITC	RING PERIO	D 12 31	MAJOR NO DISCH	ARGE	C	
Attn: Mike Skromy	da						NOTE: Read ins	tructions be	fore compl	leting this form
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	$\left\langle \right\rangle$	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	LINN	EX OF ANALY	TYPE sis
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CHEMICAL OXYGEN	SAMPLE	*****	*****		大大大大			(19)	0	
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	SAMPLE									
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Plant Manager	18481	CHES FOR SCIENTING FAIS	E INDEMATION, INCLUDING 1	IIIE POSSIBILITY	or fine And CFF	CCER OR AUTHOR	IZED AGENT	AREA CODE N	MBER YE	AR MO DAY
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PAGE 2 OF 2

PERMITTEE NAME/ADDRESS: MANAE: Tronox 11 C			NAT DISCHAR(IONAL POLLI	JTANT DISCHARGE EL	MINATION SYSTEM (DMR)	(NPDES)				
ADDRESS: PO Box 55 Henderson, N	/ 89009-700(NVOI PERMIT NUN	00078 /BER	DISCHA	002 B RGE NUMBER	002 STORWWA1	FER MONI	TORIN	ю	
EACILITY Tronox LLC				MONITC	DRING PERIO	0	MAJOR				
LOCATION: BMI Park - H Attr: Mike Skromw	enderson da		FROM 08	12 01	TO 08 1	2 31	NO DISCH/ NOTE: Read ins	ARGE tructions b		ompleting	this form
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00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT	*	-	****	*****	OPTIONAL 30DA AVG	REPORT DAILY MX	MG/L		ONCE	DISCRT
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OIL AND GREASE	SAMPLE MEASUREMENT	*****	****		****	1.6	1.6	(19)	0		
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PAGE 1 OF 2

PERMITTEE NAME/ADDRESS: NAME: Tronox LLC ADDRESS: PO Box 55 Henderson, NV	/ 89009-7000	······	DISCHARG	IONAL POLLU DOOO78 IBER	TANT DISCHARGE EL	MINATION SYSTEM (DMR) 002 B RGE NUMBER	(NPDES) 002 STORMWAT	ER MONIT	ORING		
FACILITY: Tronox LLC LOCATION: BMI Park - H	enderson		FROM 08	MONITO 12 01]	RING PERIO To 08 1 1	D 2 31	F - FINAL MAJOR NO DISCHA				
Attn: Mike Skromy	ga	QUANT	ITY OR LOADING		ğ	JALITY OR CONC	NOTE: Read Inst CENTRATION	ructions bet	OIE COMPI	eting this tor	E m
		AVERAGE	MAXIMUM	NITS	MINIMUM	AVERAGE	MAXIMUM	LINN	EX OF ANALY	SIS TYPE	
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PERMITTEE NAME/ADDRESS: NAME: Tronox LLC			DISCHARC	IONAL POLLI	DIANT DISCHARGE EI	(DINR) SYSTEM	(NPDES)				
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				MONITC	DRING PERIC	Q	MALOR				
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Annual Plots of Analyzed Stormwater Constituents







Annual Plots of Analyzed Stormwater Constituents (cont.)





Annual Plots of Analyzed Non-stormwater Constituents







Annual Plots of Analyzed Non-stormwater Constituents (cont.)

m Sugar



NPDES Permit NV0000078

Supporting Analytical Reports

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein, exceptions and corresponding justifications are provided below.

Michael Skromyda, CEM 2121, (exp. 10-18-09)

1/27/09 Date



Note: Electronic copies of complete lab reports were not available for sampling events on 11/5/08 and 12/22/08, at the time this report was issued.