ATR NS / BRooo1A/RN101993764/705/CO/20140828/Investigation Report **Texas Commission on Environmental Quality Investigation Report**

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Customer: Koppers Inc. Customer Number: CN602411605

Regulated Entity Name: KOPPERS INDUSTRIES

Regulated Entity Number: RN101993764

Investigation # 1192595

Incident Numbers

202269

202883

Investigator:

SARAH MOMAN

Site Classification

RECEIVED

Conducted: 08/28/2014 -- 08/28/2014

SIC Code: 2491

IAN 1 3 2015

NAIC Code: 321114

SIC Code: 4011 **NAIC Code: 482111** TCEQ CENTRAL FILE ROOM

Program(s):

AIR NEW SOURCE PERMITS

Investigation Type: Compliance Investigation

Location: 290 County Rd 423, Somerville, TX

Additional ID(s):

83674

705

BR0001A

Address: 290 COUNTY ROAD 423,

SOMERVILLE, TX, 77879

Local Unit: REGION 09 - WACO

Activity Type(s):

AIRCOMPL - AIR CMPL - AIR

COMPLAINT INV

Principal(s):

Role

Name

RESPONDENT

KOPPERS INC

Contact(s):

Role

Title

Name

Phone

Regulated Entity

PLANT MANAGER

MR WILLIAM R

NEWTON

(979) 596-1321

Contact

Other Staff Member(s):

Role

Name

Investigator

JESSICA GABLER

Supervisor

JASON NEUMANN

Supervisor

ELIJAH GANDEE

Associated Check List

Checklist Name

Unit Name

AIR FOCUSED INVESTIGATON - ODOR SURVEY

Koppers

AIR COMPLAINT INVESTIGATION

Koppers

Investigation Comments:

INTRODUCTION

KOPPERS INDUSTRIES - SOMERVILLE

8/28/2014 Inv. # - 1192595

Page 2 of 4

I, Elizabeth Moman, Environmental Investigator for the Texas Commission on Environmental Quality (TCEQ), Waco Regional Air Section, conducted this investigation in response to an odor complaint in Burleson County, Texas.

Daily Narrative

On July 31, 2014 at approximately 12:58 p.m., a complaint (Incident No. 202269) was received at the TCEQ Waco Regional Office. I spoke with the complainant at this time and gathered information regarding the alleged complaint. The complainant reported a strong creosote odor being emitted form Koppers Industries (Koppers) when the winds were out of the west/northwest. I informed the complainant I would be conducting an investigation of this complaint.

On August 25, 2014 at approximately 11:30 a.m., a complaint (Incident No. 202883) was received at the TCEQ Waco Regional Office. The complainant reported a strong creosote odor being emitted from Koppers Industries.

On August 26, 2014 at approximately 2:30 p.m., I contacted the complainant to inform them I would be conducting the investigation on August 28, 2014.

On August 28, 2014 at approximately 12:02 p.m., I arrived at the complainant's location and met with the complainant. I was accompanied by Ms. Jessica Gabler, TCEQ Environmental Investigator. The winds were out of the east/southeast at 6 to 9 mph. The sky was cloudy and the temperature was 90°F. No odors were experienced at this location. The complainant also stated they were not experiencing odors at that time. I inquired when the odors typically occur. The complainant stated the odor is typically present between 8:30 a.m. and 12:00 p.m. The complainant further stated the odor is typically present on Saturdays. We departed this location at approximately 12:10 p.m., and began an odor survey of the surrounding area (see Attachment No. 1).

Odor Survey Spot No. 1

At approximately 12:14 p.m., we arrived at a location crosswind of Koppers; located at the intersection of County Road 287 and 1361. No changes in the weather conditions were noted. We remained at this location for approximately 11 minutes and no odors were detected. We departed this location at approximately 12:25 p.m. and proceeded to the next survey spot.

Odor Survey Spot No. 2

At approximately 12:30 p.m., we arrived at a location upwind of Koppers, located at the intersection of Avenue A and 1361. No changes in the weather conditions were noted. We remained at this location for approximately 10 minutes. An intermittent light odor, which occurred for approximately 30 seconds at a time, was detected at this location. The odor was characterized as unpleasant. We departed this location at approximately 12:40 a.m. and proceeded to the next survey spot.

Odor Survey Spot No. 3

At approximately 12:45 p.m., we arrived at a crosswind location of Koppers, located near the intersection of Thornberry and 7th Street. No changes in the weather conditions were noted. We remained at this location for approximately 10 minutes and no odors were detected. We departed this location at approximately 12:55 p.m. and proceeded to Koppers.

At approximately 1:03 p.m., we arrived at Koppers. Upon entering the facility, a moderate creosote odor was experienced. The odor was constant and characterized as unpleasant. We proceeded to the office building located on site and met with Mr. William Newton, Plant Manager. I informed Mr. Newton of the complaint and nature of this investigation. I requested production records for July 31, 2014 and August 25, 2014. Mr. Newton provided me with a copy of the monthly production rates (see Attachment No. 2) and stated he would email the rest of the records to me later that week.

At this time, I requested a walk-through of the facility. Mr. Newton accompanied us around the facility and explained the daily processes that go on at Koppers. Mr. Newton showed us the 4 pressure cylinders used to treat the railroad ties with creosote. We also observed a covered area where the treated railroad ties are kept once they have been removed from the pressure cylinders. The covered area was equipped with piping used to spray the ties with Ecosorb which is a liquid used to neutralize odors. Mr. Newton stated they have been using this method for over 3 years now. I inquired how many days a week the facility operates. Mr. Newton stated they typically operate 5 to 6 days a week but they have the potential to operate on Sundays as well. I further inquired how often creosote is delivered to the facility. Mr. Newton stated typically one railcar of creosote is unloaded a day. We departed this

KOPPERS INDUSTRIES - SOMERVILLE

8/28/2014 Inv. # - 1192595

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is delivered to the facility. Mr. Newton stated typically one railcar of creosote is unloaded a day. We departed this location at approximately 1:30 p.m., and proceeded to the final survey spot.

Odor Survey Spot No. 4

At approximately 1:33 p.m., we arrived at a downwind location of Koppers, located on Hwy 36 between County Road 423 and County Road 437. No changes in the weather conditions were noted. We remained at this location for approximately 10 minutes and no odors were detected. We departed this location at approximately 1:43 p.m., and returned to the Waco Regional Office.

On September 2, 2014, I emailed Mr. Newton requesting records showing compliance with Special Condition 11 of Permit No. 705. Specifically, I requested to see the quantity of timbers treated, the creosote used in gallons, and the number of cylinder loads treated during the months of July and August 2014.

On September 2, 2014, I received the requested records via email demonstrating compliance with Permit No. 705 (see Attachment No. 3).

Exit Interview Not Applicable

GENERAL FACILITY AND PROCESS INFORMATION

Process Description

New Source Review Permit No. 705 was authorized on April 15, 2005. Koppers uses creosote to treat wood railroad ties. Raw material is shipped from suppliers via rail cars. Material is then inspected and trimmed. It is incised to allow moisture to escape. Material is loaded onto tram carts that are then pushed into a pressure vessel. After the doors are sealed, the vessel is filled with hot creosote and heated to 190 degrees Fahrenheit. Vacuum pressure is used to remove excess water. Water removal takes about 12 to 14 hours. The creosote is then pumped out of the vessel, and then another vacuum of excess moisture is performed. After one hour, air pressure is applied to force air into the wood cells. The vessel is again filled with creosote to bleed out the air and to force creosote into the wood cells using pressure pumps at 190lbs/sq. in. A vacuum of air is performed again, which pushes out excess creosote. The tram carts with finished product are then pushed out of the vessel onto a platform to be inspected and prepared for shipment. Koppers Inc. uses a production balance sheet method of recordkeeping to verify emission rates are below required limits. A wet scrubber has been installed and put into operation to reduce odors.

BACKGROUND

Current Enforcement Actions

No violations were documented during the course of this investigation.

Agreed Orders, Court Orders, and Other Compliance Agreements

A file review indicated the regulated entity has not been issued any agreed orders, court orders or other compliance agreements within the past five years.

Prior Enforcement Issues

The regulated entity has not been issued any Notices of Enforcement (NOEs) or Notices of Violation (NOVs) within the past five years.

Complaints

A file review indicated that the Waco Regional Office has received several air complaints against this facility within the past five years.

ADDITIONAL INFORMATION

The applicable nuisance rule, Title 30 Texas Administrative Code (TAC) § 101.4, states that no person shall discharge from any source whatsoever one or more air contaminants or combinations thereof, in such concentration and of such duration as are or may tend to be injurious to or to adversely affect human health or welfare, animal life, vegetation, or property, or as to interfere with the normal use and enjoyment of animal life, vegetation, or property.

The TCEQ conducts complaint investigations in order to confirm adverse effects from nuisance conditions. If the investigation confirms that a nuisance condition exists, then a written, signed statement describing the impact

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8/28/2014 Inv. # - 1192595

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and nuisance condition must be submitted by the complainant. If formal enforcement proceedings result from a nuisance violation issued under these circumstances, then the complainant must formalize this statement in the form of a sworn, notarized affidavit, and must also be willing to testify in a related enforcement action regarding the contents of his/her statement. If a complainant were to allege health effects as a result of the nuisance, then the requirements are similar to those listed above, except that (1) if transitory health effects (such as nausea or eye irritation) are alleged, then the investigator must experience similar impacts and be able to confirm the origin as the alleged source; and (2) if significant health impacts are alleged, then documentation from a health care professional is necessary. The above nuisance violation requirements were established in a TCEQ Interoffice Memorandum dated October 7, 2008.

Conclusions and Recommendations

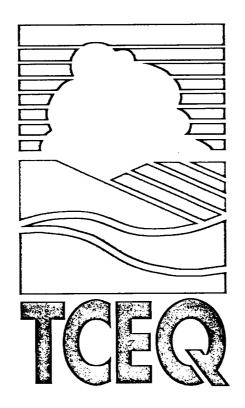
No off-property nuisance odor conditions were detected at the complainant's location during the investigation conducted on August 28, 2014.

Additional Issues None

No Violations Associated to this Investigation

2. 9/23/14

Environmental Investigator	Date 1700 SIV 1
Signed Jason Neumann Supervisor	Date 9/23/2014
Attachments: (in order of final report sub	omittal)
Enforcement Action Request (EAR)	Maps, Plans, Sketches
Letter to Facility (specify type) :	Photographs
Investigation Report	Correspondence from the facility
Sample Analysis Results	$\underline{\checkmark}$ Other (specify):
Manifests	1) Survey Map
Notice of Registration	a) Anduction Rates
	3) Records



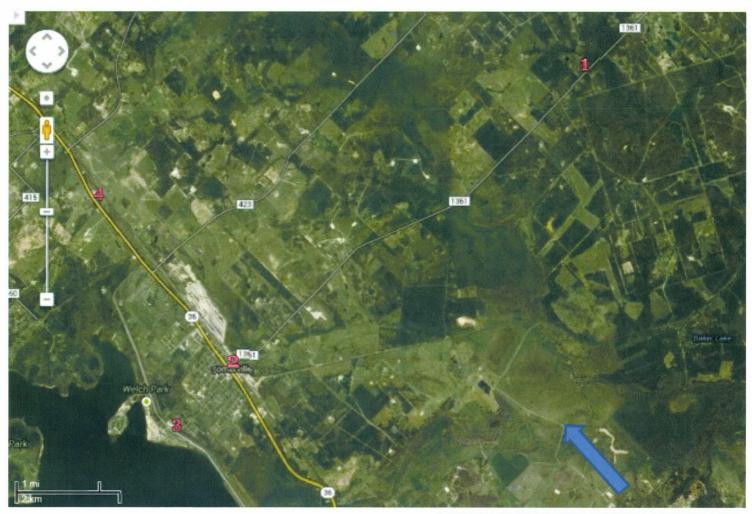
CCEDS Investigation No. 1192595 Fiscal Year 2015 Waco Regional Office

ATTACHMENT 1

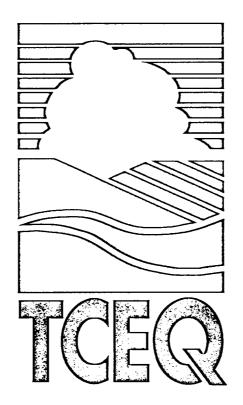
Survey Map

CN602411605, Koppers Inc. RN101993764, Koppers Industries **Burleson County**

INVESTIGATOR: ELIZABETH MOMAN INVESTIGATION DATE: AUGUST 28, 2014



WINDS FROM THE EAST/SOUTHEAST



CCEDS Investigation No. 1192595 Fiscal Year 2015 Waco Regional Office

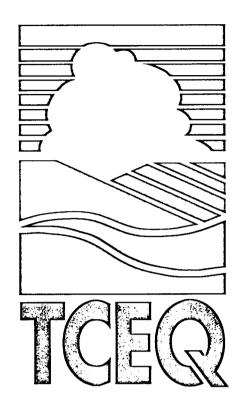
ATTACHMENT 2

Production Rates

CN602411605, Koppers Inc. RN101993764, Koppers Industries Burleson County

Investigator: Elizabeth Moman Investigation Date: August 28, 2014

	NUMBER	CUBIC	GALLONS		AVAILABLE
MONTH	CHARGES	FEET	CREOSOTE		
Jan-12	137	511,257	342,930		
Feb-12	130	485,502	324,200		
Mar-12	139	522,713	353,900		
Apr-12	139	518,922	351,100		
May-12	142	545,513	364,761		
Jun-12	143	566,582	377,000		
Jul-12	128	503,621	338,850		
Aug-12	170	666,819	460,340		
Sep-12	145	564,931	389,410		
Oct-12	173	681,690	484,210		
Nov-12	128	499,425	361,180		
Dec-12	130	520,183	355,200	Total Rolling year cuft	t limit is 7,020,000 Cubic Feet
Jan-13	148	592,296	406,600	6,668,197	351,803
Feb-13	142	568,554	391,470	6,751,249	268,751
Mar-13	143	568,026	389,460	6,796,562	223,438
Apr-13	149	600,193	408,760	6,877,833	142,167
May-13	143	564,712	380,330	6,897,032	122,968
Jun-13	158	631,434	426,190	6,961,884	58,116
Jul-13	138	555,133	374,310	7,013,396	6,604
Aug-13	164	655,334	438,110	7,001,911	18,089
Sep-13	157	550,222	374,890	6,987,202	32,798
Oct-13	172	689,124	465,330	6,994,636	25,364
Nov-13	132	524,447	358,490	7,019,658	342
Dec-13	127	508,599	337,780	7,008,074	11,926
Jan-14	141	562,075	373,500	6,977,853	42,147
Feb-14	126	506,569	336,570	6,915,868	104,132
Mar-14	138	561,684	371,920	6,909,526	110,474
Apr-14	140	569,359	375,550	6,878,692	141,308
May-14	123	499,138	331,890	6,813,118	206,882
Jun-14	144	586,035	388,400	6,767,719	252,281
Jul-14	144	590,725	394,680	6,803,311	216,689
Aug-14	139	565,938	380,220	6,713,915	306,085
Sep-14	~.	543,825		6,707,518	312,482
Oct-14		595,618		6,614,012	405,988
Nov-14		466,135		6,555,700	464,300
Dec-14		517,928		6,565,029	454,971



CCEDS Investigation No. 1192595 Fiscal Year 2015 Waco Regional Office

ATTACHMENT 3

Records

CN602411605, Koppers Inc. RN101993764, Koppers Industries Burleson County

INVESTIGATOR: ELIZABETH MOMAN INVESTIGATION DATE: AUGUST 28, 2014

This is a controlled document when viewed in electronic form. If printed the will cease to be controlled 24 hours from: 8/11/2014/12/52 PM

Ceased Drippage Log TO BE USED WITH SOM-ADMIN-004



*Drippage must be ceased and document before any treated train is pushed off of the drip pad.

Cylinder #_____

Charge Number	Cylinder Number	Train Number	Key Re	emoved	Key R	eturned	Fan Function	Dripage 0	Ceased		ctor Initial and comments
, various			Date	Time	Date	Time		Date	Time		
1084-B	1	11686	8-25-14		8-25-14	401:8	Low		7:4514	76	JR
10853	4	11685	B 25.14	8:404	8-72	10:204	401	8-25-1-1	44/4	T (32	J R
10 86 \$	3	11488	8-25-14	10:10 P	8-25-14	10:35p		4.16.95	3:10A	76	5/2
1087	1	11687	8.24.14	12:1012	8 26-16	1.104	1-0W	8-26-14	405;	Ta	JR
1088	Ч	11649	8-26-19	6 10 A	8 26 14	6:58A	Low		8,70x	1.6	
108g-B	3	11690	8-76-14	1 10 P	8-26-4		LOW	826-14	(130P	R035	JA
10903		11691	82619	310P	8-26-14		LOW		9:00/	R055	JA
1091	4	11:692	8 27 18	1.40n	8 27 14	2:35 4			25A	T. (a.	5 R
1092	.3	11693	8-27-14	5-10 4	8.2714	AOG: 0	HIEL	 	1:00A	T.G.	J,R,
1093 -B	1	11694	3.2714	6.404	8 27 14		High		140P	T.G.	J R
1094 - 15	4	11695	8-17-14	4:40 ₽	8-27-14		High		135P	RH	TA
1095 B		11696	8-77-14		827-14	9:000	High		1.30 P	RH	JA`
1696 B		11785	8-27-14	11:400	8-2814			8-78-14 8	100 AV~	7,6,	TR.
1097-B	4	11698	8:28-14	12:40P			HIZH'	83814	1125P	I/J:	3 R
1098-B	3	11699	8-28-14	1:40Pm	8-204	3.558	H17~			· · · · · · · · · · · · · · · · · · ·	
1399 3	4	11700	8-28-14	3110 Pm	8-29-14		- U				
1100	4	11701									
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RECEIVED
SEP - 2 2014
TCEO
WACO - REGION 9

PROCEDURE: SOM-FORM-026 Cease Drippage Log Page 1 of 1
EFFECTIVE DATE: 12/11/08 WRITTEN BY: David Lauter
REVISION #: 02-12/10/08 APPROVED BY: Dave Shaw

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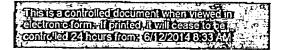
Ceased Drippage Log TO BE USED WITH SOM-ADMIN-004



*Drippage must be ceased and document before any treated train is pushed off of the drip pad.

Cylinder #_

Charge Number	Cylinder Number	Train Number	Key Re	emoved	Key R	eturned	Fan Function	Dripage	Ceased		r Initial and	
			Date	Time	Date	Time		Date	Time			1
10583	4	11659 .	8-18-14	7:40 e	8-18-14	8:40 P	Low	8-19-14	6:30+	Ī£.	JR.	-
1059 3		11660	8-18-14	11:40 P	3-1911	12:15 14	1. nh	8:19-14		Ta	J.R	
1060B		11661	8-19-14	4-10 4	8-17-19	5.55 A	high	8-19-14		I6	70	7
1061.0	4	11662	8.19-14	10:40A	8-19-14	11:185	bigh	8-19-14	1:35P	T (-	3 R	
1062 5	3	11663	8:1944		8+19-14	3/30 Pr	High	8-26-14	AOG; C	7 2	TR	-
(063 B		11664	18-19-14	7:40 p	8-19-14	8:00P	トタン	8-20-14	2:30 H	1 (5)	TR	
1064B	4	11665	82015	17 4011	9.10.1	10511	Lan	9.20.14	9:00p	RH	51	
1065B	3	11/2060	82011	5.10 4	9.2019		Low	8-20-1-1	7'151	J. G.	5. R	
1066-B	!	11667	8.2014	10:10A	8-20-14	10150A	LOW	8-20-14	1:30P	T. 62	3 R	
1067 5	4	11648	3.20-14	3:40P			Low	8 70 14	5:20 P	RH	TA	
1061 13	3	11669	8-28-14		B-20-14		Low	8.20.14	10:30P	KH	7.74	
1069B		11470	8.416	12 100	82114	1254		8-21-14	7:45 Am	T.G.	J.R.	
1070 ·B	4	11671	7-21-14	8:15A		8:35 A		8-21-14	7:00P	P1+ 7A		
1071-8	3	11672	8-21-14		8-21-14	1:30A	LOW	8.21-14	7:101	TL	フド	
1072 8		11673	8-21-14	4:408	8-21-14		bora	8-21-14	7:00 P	Ry Ja		
1073.8	4 3	11674	8-21-14	10:408	8-21-14		High	8-22-14	6,00A	T(2	JR.]
10(5)		11675	8.224	2 10 2		3:124	Low		426:9	1.62	JR	
		11616	8-22-14		8-22-14		Con	9-22-14	2.50 p	RH JA		_
10763	- 1	116778	8-22-14	2:40.6	8-22-14		Low	82214	8.30	Riss	CR	
1078B	},	116788	1	7:409	8-22-14		10W	8-23-14	7:15 AM	CK SI		
1079·B	4	11679	8 23/4	A 10 A	8.52.4	3' 10 A	Not	8.23-14	7:10Am	CR CP		_
1080B	-3	11681	1 27 14	40H J	8.25-14	1:35A 11:35A	Low	8.23-14	11:301	14	711.	
1081 8	$\overline{}$	11682			8-27-14		Lnw	8.23.14	3:300	<u> </u>	JL.	
104215	4	116.80				7:00 A		8-25-14		<u>J.(a</u>	<u>JR</u>	_
1083-B	3	11694	8-25 11	5.10 /	8.7 5 14	7:60 A	Low		10:40A		5 R_	١.
PROCEDURE			1		0 L) [7]	Y TOO'N	LOW		8:45P	KH JA]Retre
	PROCEDURE: SOM-FORM-026 Cease Drippage Log EFFECTIVE DATE: 12/11/08 WRITTEN BY: David Lauter					Page	e 1 of 1					
REVISION #: 0			APPROVED	BY: Dave Sha	W				1.0			



Ceased Drippage Log TO BE USED WITH SOM-ADMIN-004



*Drippage must be ceased and document before any treated train is pushed off of the drip pad.

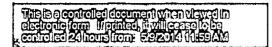
Cylinder #_____

Charge	Cylinder	Train	Key R	emoved	Key Re	turned	Fan	Drinage	Ceased	Insped	ctor Initial and
Number	Number	Number					Function	Dispuge	Ocasca	C	omments
	<u> </u>		Date	Time	Date	Time		Date	Time		
954 3	2	11506	7-29-14	1408		2:25.B	LOW	7-74-14	41,00PM	Yloss	TM
955 3	1	11508	7-29-14	6:25 P	7-24-14	7:10 pm	Low	7-79-14	7:30KM	loss	TM
95L 3	4	11509	7-29-14	11:100	7-24-14	11:50 pm	'Low	7-30-14		D.C.	J.R
957	3	11510	7.3014	3:104	7-3011	4135A	L-ch,	7-30-14	1:30 Pm.	Cliff	J.R.
958 2	2	11511	7-30-14	5:10 p	7-35-14	6:00 P	LOU	7-17-16	CINVI		-544
959 3		リシリン	7-30-14	9:40 P	7-35-14	10:40 P	Low	7-3014	6:20K	DC	JR.
960 B	4	11513	7-30-14	4:10 p	7-30.14	4:550A	مناند	7-30-14	5/10/1	7	7/4
961 3	3	11514	7-30-14	//:40 P	7:51	12:20 A	LOW	7-31-14	7 14(A	Cliff	T.R.
962-6	4	11507	7-3114	910 B	7.5HY	8;55A	Loh)	7-31-14	9 30A	Cliff	- J./.
963-0	2	11515	7-31-14	10:10A		1120A		7-31-14	12:4CP	JR	3 8
9PA-B	1	11516	7-3114	1108	7-41-19	1		7-31-14	1:500	TR	- 3 R
465	১	11517	7-5-14	140P	7-31.4	1,30 b	Low	7-31-14	8:000	11.55	TH.
96	7	11518	7-31-14	10:40 P	7-3114	$11:32_{p}$	LOW	8-2-14	9 354	Clift	TR
967		11519	8-1-14	1:10 h	8-1-14	3:2514	101	9-1-14	6:45A	DC.	3 R
968	. 1	11520.	8-14	30 130A	8-1-14	6:46	LOW	8-1-14	460 ! R	D.C.	TR.
969		11521	8-1-14	10:40 A	1.1	11,35 V		8-2-14	6:20 A	cliff	J. R.
970 %	4	11520	8-1-14	5:40p	3:1-14	6:05P	Low	8-1-14	6:500		<u> </u>
971 3	2	11127	8-1114	7:107	8-1-14	8:150	Low	8-1-14	8:30P		CS
972 B	3	11524	8-2-14	12:10 1	8 2.14	12:351		8-2-14	405-0	cliff	J.R.
973 -2	-7 Great	11530	8-3-14	6:409	8-3-14	7:100	·, au	4.4.14	6:154	T.L	7/
974 -B	3 / ·	11526	6214	1:40 Pm		1001	1.60	8-2-19	7:204	17	J.R
975 - B	4	11525	8-2-4	11408		2:00	Low	8-2-14	12'300	<u>ग्रह</u> ्	5 R
976 B	. 5	1152	8-2-14	2408		1:10 pm	Low	8-4-16	8:45 A	7.6.	5 K
977	<u> </u>	11528	48-7.14	3 104	9314		Low		G: HUA M	Cliff	SP
978	1	11529	8-3-14	5:40 Acm	8-3-16/10			8-4-14	7:001	1,62,	JR
973-B	3	11531	8-3-14	8:40AM		9:35AV	Low	4	9:202	Ta.	5/
	PROCEDURE: SOM-FORM-026 Cease Drippage Log					7			e 1 of 1	, 00/	11
EFFECTIVE DATE: 12/11/08 WRITTEN BY: David Lauter											

PROCEDURE: SOM-FCRM-026 Cease Drippage Log Page 1 of 1

EFFECTIVE DATE: 12/11/08 WRITTEN BY: David Lauter

REVISION #: 02-12/10/08 APPROVED BY: Dave Shaw

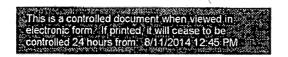




Treating Log TO BE USED WITH SOM-SOP-TREAT-001

	Shift Charged	Charge #	Train #	Species and Size	Date Charge In	Time Charge In	Date Charge Out	Time Charge Out	Odor Control Time On
4	4-12	962-B	11507	DxK#58°	7-30-14	7:50 p	7-31-14	8:40 A	OR
<u>`</u> 2	4-12	963-3	11615	DIK# #US	7-30-14	10:30 P	7-31-14	10:40 >	UN
1	4-12	964-8	11516	MIXSUT	7-30-14	10: 10 P	7-31-14	1:109	ON
3	128	765	115 17	Gun "5 9	7-31-15	12:70 4	7-3114	7:10 12	Or
4	SUM	966	11518	Groups 91	7-3,74	945-10	7-31-14	10:40P	171
13.2 13.1	8-4	967	11519	onc#59'	7-34-14	145P	8-1-7	240A	85
B1	8-4	968	11520	CM2491	7.31-17	445	8-1-14	5300	0.0
3.	8-4	969	4521	Oax 49'	ブ 号1-17	850F	8-1-14	1.1 10 A	ON
4	4.12	9703	11522	00("57	7.31.14	11:301	8-119	2.101B	OK
à	12-18	9713	11523	091.59	8-1-14	2:25 A	8-1 14	1 to P	17/2
. 3	15-8	972 3	11524	1091 19	8-1 14	6:55 →	8-2-14	12:40%	Or
GREEN,2	4-12	9.73-B	11530	ONKALT	8-1-14	8.15 P	8214	6:110R	OF
A	4-12	975·B	11525	DX16.259	8-1-14	11:20 4	8:2-14	12:10 9	121
1	17-8	974	11256	64 6 455	81-19	7:30 P	8.211	1. 10 P	1)K
, 3	ار-8	976 B	11527	641355	8211	12:55 A	2511	. 4:10 P	Or
B 4	8-4	مرره	11528	DOX =59'	8-2-14	245P	8-3-14	3404	64
B 1	84	978	11529	001 43		SisP	€-3-14	6108	CX
_3	4-12	979-8	11531	DXK MSWT	8-2-14	7:50 p	8-3-14	8:40 A	DA
6-24	15-X	180 3	11535	Oak or	83.14	5.251	8-3-14	6:40 9	ON
/ 1	128	991	11532	014 45 86	93-14	6:35A	8-3-14	6:10 F	ca
83	8-4	982	11 533	Gun#54is	8-3-17	11450	8-3-14	12408	o ବ
-2	4-12)	983-8	11534	0xK #9.86	8-3-14	9:10+	8 4-14	10:1071	1,2
/	4-12	984-B	11537	OAK#584	8-3-14	10:45 P	8-4-14	11:40 1	ره (سر
3	12.8	9853	11536	6.1 45 10	8.1 11	2:15 4	8-1 14	A - 10 P	100
Span B 2	8-4	986	11538-B	Ook 4 Sup	8-4-14	7150	9 4 11	7:10A	UP
8 1	8-4	947	11538	OBLASAN	5-4-7	4449	8.5.19	510 1	00
3	4-12	988-B	11537	0x1("59	8-4-14	9:20 +	8-5-14	10:10>	034
-/	15.8	987 B	11540	DAK#59	8-4-14	10:45	8-5-14	11 104	0.0
34	8-4	990	11542	OBK #59'	8-5-14	12417	8.5.7	1,40 B	02
133	8-7	991	11543	0016 391	8-5-14	3158	8614	4.101	
	8-80	9923	11514	04 (4 (4	9514	11:35 8	4.619	2:10 P	DL.
T	80 8n	793 B	11545	O(4 5 9)	8.6.14	L:00 4	8611	7-10 P	100
~ ³	80 812	99 4 B	11546	041.6	8.615	5.10 A	86 11	6.40 ×	ON
32	8-4	995	11547	Opp Hotel	8-6-19	10758	8-6-14	11408	OR OH
131	8-4	996	11548	001586	8-6-14	4458	8-7-14	5400	DU
4	4-12)	997-8		0x K#5840	0-6-14	8:200		9:10 ×	00
<i>4</i> L	4-12	998·B	11550	DAIL 7, 786	8-6-14	10:09 8	8-7-14	1:3011	<i>-</i>

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REVISION #: 1 - 4/19/04	APPROVED BY: Dave Shaw	





Treating Log TO BE USED WITH SOM-SOP-TREAT-001

	Shift Charged	Charge #	Train #	Species and Size	Date Charge In	Time / Charge In	Date Charge Out	Time Charge Out	Odor Control Time On
4	8-4	1073 B	11474	Gum #59	9-21-14	8. 45A.	9-21-14	11.108	OW
3	8-4	1074	11675	Dal 8456	9-21-14	1:450	9-22-14	8:40A	0.0
3	4-12	1075	11676	DAK ICK	8-21-14	6:557	9-22-14	8:104	64
4	4-10	1076-B	11677	Gum#584	8-21-14	11:36 D	8-22-19	3. 60 P	Oa
3	[ે ₹	10 77 15	11678	Gues 45 56	8.25 14	3:150	કુદર પ્	8 10.7	1200
-2	8-4	1078 B	11679	Sum#5 8"	8-22-14	9:45.1	8-23-14	2.40 A	ON
4	4-12	1079-B	1/680	Gum #5 84	8-22-14	6:00	8-23-14	7:10 %	'0 W
3	9-12-	1086-B	1/681	Gunts 8"	8-22-14	10:40 1	8-23-14	11:404	ON
	12.4	10818	11682	Gun 137 81	\$ 23 11	340 A	8- 25 14	6:10P "	60
4	12- A	1082 15	11(8)	Guy + 4 84	8-27 14	7.364	\$ 2.5 (4)	9.108	00
3	12-4	(PY) 15	116 34	Gung to 5 glo	8 32 14	15:10 }	8-25-14	5:50-4	04)
1	4-12	1084-B	11686	Gunts 86	8-24-14	6:59	8-2574	740 A	OW
7	4-12	1085-8	116.85	Cront586	S-24-14	8:20 f	8-25-14	9:10 >	04
31	12-8	(081 D	11688	Gr 1 45 8	8-25-11	7 004	82614	(0:0p	20
> î	8-4	1087	11687	Qun &	8-26-14	12.158	8-26-7	DHOR	ON
34	8~4	1028	NP23	Gun 45th	8-25-14	545P	8-24-14	4. 10 M	00
3	4-12	1088-8		Gum 95 86	8-25-14	10:35p	8-26-14	1.40 P	00
1	17 4	1010 7	11671	Gas " - 5"	5-24-14	1:10 A	8-26-19	3.40.P	00
64	8-4	1091	11692	Grand St	Y-26-17	1207	3-27:4	208	φý
0,3	5-1	1092	11/293	gran 436	8-24-M	445P	8-23-17	5-100	0.0
1	4-12	1092 D	11694	15 y	9-26-14	4:15 D	827-14	7.10 4	00
4	15 8 2	1094 8	11695	Gun + 5 (1 4	\$ 37.10	*3:35 4	. 8- 27 14	5:10 8	00-
3	15. 84	1095 8	11696	64-1 7 5	. 8 27 14	4.351	. 827-14	9040P	0 N.
1	8-4	1096	11657	G- 4, 86	8-27-1	1045A	8-27-14	1140 P	6 4)
4	4-12	1097-B	11698	CAK4586	8-27-14	6:430	8-28-14	12:40 P	01-
3	4-12	1098-8		Gum58	8-27-14	9.00.9	8-28-14	1.400	is tail
/	12- g	1099 D	11700	Guer 5 81	7.28-19	12:05 4	8,54 14		
34	8-4	1100	MOOL	Gun 2586	8-28-14		8-2974		
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