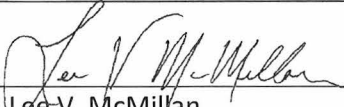


**Region 6 Enforcement and Compliance Assurance Division
INSPECTION REPORT**

Inspection Date(s):	05/28/2019		
Media:	FIFRA		
Regulatory Program(s)	Section 12		
Company Name:	City of Dallas		
Facility Name:	Bachman Water Treatment Plant		
Facility Physical Location:	2605 Shorecrest Dr.		
(city, state, zip code)	Dallas, TX 75235		
Mailing address:			
(city, state, zip code)			
County/Parish:	Dallas County		
Facility Contact:	Chaise Holmgren	Senior Program Manager	
	chaise.holmgren@dallascityhall.com		
FRS Number:	N/A		
Identification/Permit Number:	N/A		
Media Number:			
NAICS:			
SIC:			
Personnel participating in inspection:			
Chaise Holmgren	Bachman Water Treatment	Senior Program Manager	(214) 670-6628
Dennis Walker	Bachman Water Treatment	Maintenance Manager	(214) 670-6628
Lee McMillan	EPA Region 6 – Pesticide Enforcement	Environmental Engineer/Inspector	(214) 665-6404
Chuck Ruple	EPA Region 6 – Pesticide Enforcement	Environmental Protection Specialist/Inspector	(214) 665-6534
Henry Krusekopf	Texas Department of Agriculture	Assistant Regional Director	(214) 631-0265
Katherine Newton	Texas Department of Agriculture	Inspector	(214) 631-0265
EPA Lead Inspector Signature/Date	 Lee V. McMillan		7/5/2019 Date
Supervisor Signature/Date	 H. Troy Stuckey		7-8-19 Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Region 6 inspectors, Lee McMillan and Chuck Ruple arrived at the City of Dallas Bachman Water Treatment Plant at 9:00 AM on May 28, 2019 for an announced joint inspection with Texas Department of Agriculture inspectors, Henry Krusekopf and Katherine Newton. We met with Chaise Holmgren, Senior Program Manager, and Dennis Walker, Maintenance Manager. I presented my credentials to Chaise Holmgren along with a Notice of Inspection and informed him that this was an EPA inspection to investigate a potential unregistered pesticide. The scope of the inspection was the evaluation of the facility's use of sodium permanganate to treat zebra mussels in the water treatment process.

FACILITY DESCRIPTION

Founded in 1881, the City of Dallas Water Utilities (CDWU) is a not-for-profit department of the City of Dallas providing water, wastewater and storm drainage services to about 2.5 million people in Dallas and 27 nearby communities. The CDWU services approximately 700 square miles with a capacity of 900 million gallons per day. Dallas currently obtains water from area reservoirs: Lake Ray Hubbard, Lake Lewisville, Lake Grapevine, Lake Ray Roberts and Lake Tawakoni. All of Dallas' water supply comes from surface water (water from reservoirs or rivers) although Dallas does sit atop an aquifer. Dallas has three water treatment plants East Side, Elm Fork, and Bachman. The Bachman Water Treatment Plant (BWTP) was built in 1929 and has a capacity of 160 million gallons per day and an average flow of 100 million gallons per day.

Water for the BWTP is received from Lake Grapevine to Lake Lewisville down the Elm Fork Trinity River. The BWTP has three intakes. In September 2015, the City of Dallas completed a study to evaluate the threat of zebra mussels in which sodium permanganate was identified as a preferred recommendation and functions as an irritant to keep zebra mussels from adhering to the walls of the pipeline. In 2017, the Dallas BWTP found zebra mussels in the intake and implemented the use of sodium permanganate to treat its intake water for zebra mussels. The sodium permanganate functions as an irritant to keep the zebra mussels from adhering to the walls of the pipeline. When water is transferred to the interior of the plant the zebra mussels are killed in the other section of the process. Through the interior process water is treated to control taste, odor, and raw plant water is disinfected.

Section II – OBSERVATIONS

At approximately 9:49 am I began touring the following areas accompanied by Mr. Holmgren along with EPA and TDA inspectors: water system intakes and water treatment plant. At approximately 10:03 AM, I arrived at BWTP where Mr. Walker was waiting for us. We observed the intake area and the sodium permanganate facility. The treatment plant uses a 40% sodium permanganate solution. At approximately 10:45 AM we returned to the BWTP to observe the ozone generators. The generators intake oxygen and

produce a 10% ozone rich mixture. Each generator produces about 3000 lbs. per day. All solid waste from the treated water settles out in the ozone basin where it is disposed.

Section III – AREAS OF CONCERN

I observed the installation of a sodium permanganate injection system used by the Bachman Water Treatment Plant to control zebra mussels. The labeling did not have any indication of EPA pesticide registration. The sodium permanganate product was potentially sold and distributed in violation of FIFRA because at the time of the inspection and an unregistered pesticide. The inspection was concluded at approximately 11:00 AM and I exited the facility.

Section IV – FOLLOW UP

The following information was received by EPA after exiting the Facility on May 30, 2019:

- Sodium Permanganate Data 2017-2019
- Sodium Permanganate 40% - Carus Corp SDS
- Sodium Permanganate 40% - F2 Industries SDS
- Arcadis Zebra Mussel Report
- Sodium Permanganate Invoices
- Texas Commission on Environmental Quality Zebra Mussel Letter date 10/10/17

Section V – LIST OF APPENDICES

Appendix 1 – Photo Log – 5 photos taken

Appendix 2 – Notice of Inspection

APPENDIX 1

PHOTOGRAPH LOG

APPENDIX 1

PHOTOGRAPH LOG



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: Dallas Bachman Water Treatment Plant		
City: Dallas	County/Parish: Dallas	State: Texas

PHOTOGRAPH LOG



Photo File Name: H:\6PD\6MM-XP\Enforcement\ENFORCEMENT SENSITIVE\FY2019\2019-059 City of Dallas-two locations (Citizen)\Bachman Water Treatment Plant\Inspection\Inspection Photos\DSC_0010.JPG

Date of Photo: May 28, 2019

Time of Photo: 10:09 AM

Photographer: Chuck Ruple

Description: sodium permanganate facility flow meters



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: Dallas Bachman Water Treatment Plant		
City: Dallas	County/Parish: Dallas	State: Texas



Photo File Name: H:\6PD\6MM-XP\Enforcement\ENFORCEMENT SENSITIVE\FY2019\2019-059 City of Dallas-two locations (Citizen)\Bachman Water Treatment Plant\Inspection\Inspection Photos\DSC_0011.JPG

Date of Photo: May 28, 2019

Time of Photo: 10:09 AM

Photographer: Chuck Ruple

Description: 40% sodium permanganate tanks



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: Dallas Bachman Water Treatment Plant		
City: Dallas	County/Parish: Dallas	State: Texas

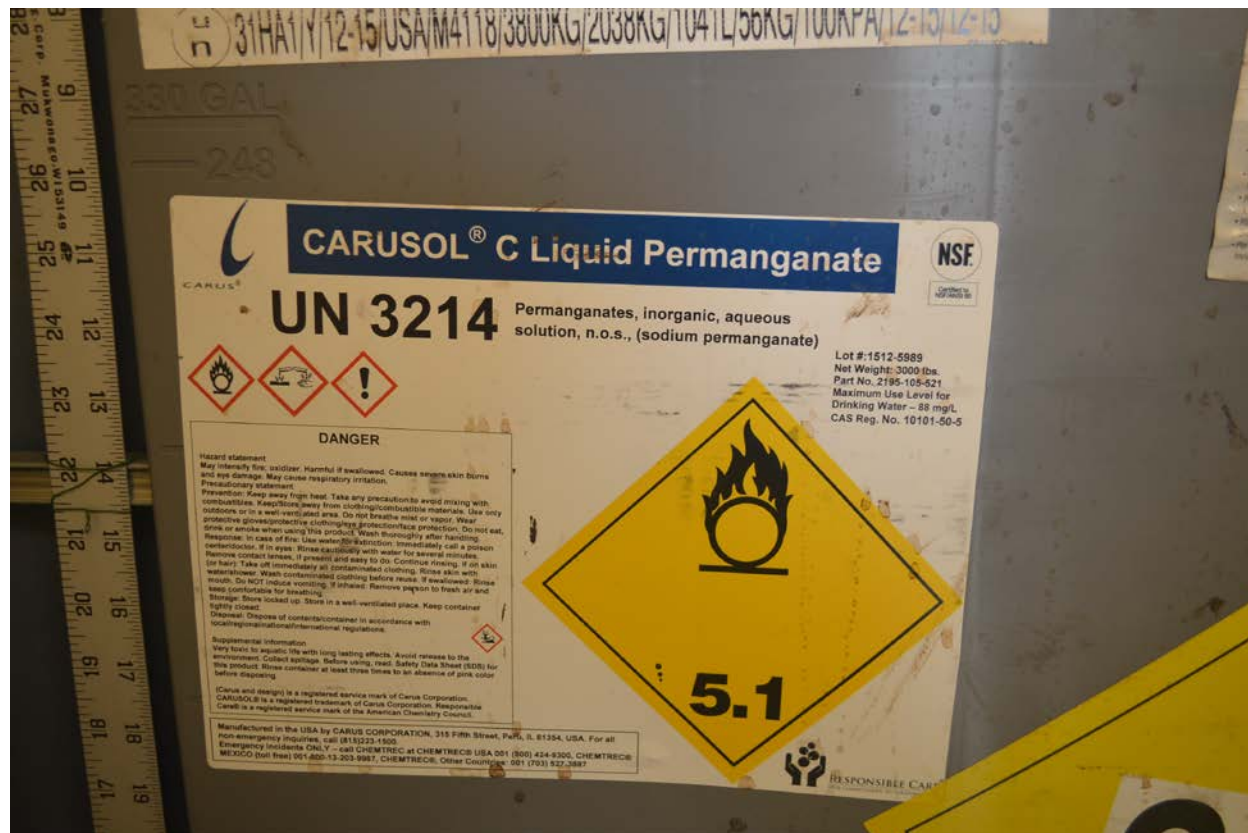


Photo File Name: H:\6PD\6MM-XP\Enforcement\ENFORCEMENT SENSITIVE\FY2019\2019-059 City of Dallas-two locations (Citizen)\Bachman Water Treament Plant\Inspection\Inspection Photos\DSC_0013.JPG

Date of Photo: May 28, 2019

Time of Photo: 10:09 AM

Photographer: Chuck Ruple

Description: 40% sodium permanganate tank label



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: Dallas Bachman Water Treatment Plant		
City: Dallas	County/Parish: Dallas	State: Texas



Photo File Name: H:\6PD\6MM-XP\Enforcement\ENFORCEMENT SENSITIVE\FY2019\2019-059 City of Dallas-two locations (Citizen)\Bachman Water Treament Plant\Inspection\Inspection Photos\DSC_0014.JPG

Date of Photo: May 28, 2019

Time of Photo: 10:10 AM

Photographer: Chuck Ruple

Description: 40% sodium permanganate tank label



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: Dallas Bachman Water Treatment Plant		
City: Dallas	County/Parish: Dallas	State: Texas

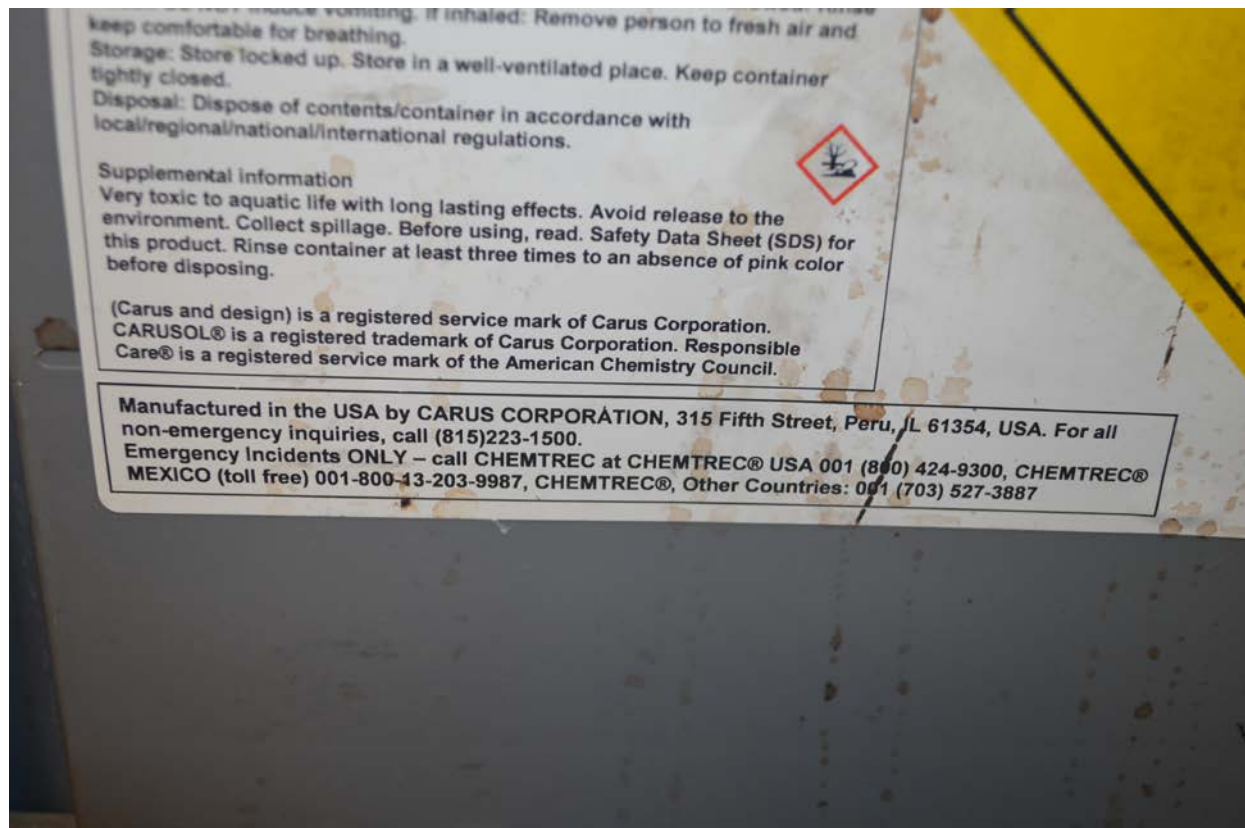


Photo File Name: H:\6PD\6MM-XP\Enforcement\ENFORCEMENT SENSITIVE\FY2019\2019-059 City of Dallas-two locations (Citizen)\Bachman Water Treament Plant\Inspection\Inspection Photos\DSC_0016.JPG

Date of Photo: May 28, 2019

Time of Photo: 10:11 AM

Photographer: Chuck Ruple

Description: 40% sodium permanganate tank label

APPENDIX 2

NOTICE OF INSPECTION



United States
ENVIRONMENTAL PROTECTION AGENCY

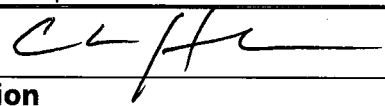
Washington, DC 20460

Notice of Inspection

Office of Enforcement and Compliance Assurance

Facility Name City of Dallas Bachman Water Treatment Plant	Facility Address 2605 Shorecrest Drive Dallas, TX 75235
Name of Facility Official Chaise Holmgren	Title Plant Manager

By my signature, I represent that I am an owner, operator or agent in charge of the facility being inspected, and attest that the EPA, Designated State or Political Subdivision Employee or Officer identified on this form presented his or her credentials prior to issuing this Notice of Inspection.

Facility Official's Signature: 

Authority for Inspection

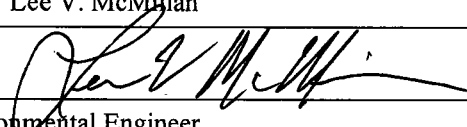
For the purpose of inspecting and obtaining samples of any pesticides or devices packaged, labeled and released for shipment, and samples of any containers or labeling for such pesticides or devices, in places where pesticides or devices are held for distribution or sale [FIFRA § 9(a) (7 U.S.C. §136g)]; and for the purpose of inspecting and obtaining copies of those records specified in FIFRA §8 (7 U.S.C. §136f) and 40 C.F.R. Part 169.

Reasons for Inspections (Check applicable boxes)

- | | |
|--|--|
| ☐ Routine Inspection | Violation |
| ☒ For Cause Inspection | Suspected: FIFRA Section 12 (a)(1)(A) - Unregistered Pesticide |

Additional Information:

Reviewing process associated with permanganate used in water treatment.

Name of Inspector	Lee V. McMillan		
Signature of Inspector		Date	5/28/2019
Title	Environmental Engineer	Time	9:09 AM
Address	1445 Ross Ave., Ste. 1200, Dallas TX 75202		

Note: The absence of a Facility Official's signature on this form does not invalidate this Notice of Inspection, or establish that consent to the inspection was not provided or that the proper procedures were not followed.