UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX
75 Hawthorne Street
San Francisco, CA 94105
Phone: (415) 972-3000
http://www.epa.gov/region9

Sent via E-Mail: russell.smith@evoqua.com

Russell Smith
Plant Manager
Evoqua Water Technologies
2523 Mutahar Street
Parker, AZ 85344

Dear Plant Manager Smith;

On June 23, 2021 representatives of the U.S. Environmental Protection Agency (EPA) conducted an announced compliance evaluation inspection (CEI) of Evoqua Water Technologies (Evoqua) in Parker, AZ with EPA ID # AZD982441263. The purpose of the inspection was to determine Evoqua's compliance with applicable federal environmental statutes and regulations, and in particular, the Resource Conservation and Recovery Act (RCRA), as amended, the regulations provided in the Code of Federal Regulations (CFR), Chapter 40, Parts 261-265, 268, 273, and 279.

A copy of the inspection report is enclosed for your information. The report describes conditions at Evoqua at the time of the inspection and identifies potential violations of RCRA observed during the inspection. EPA anticipates no further action regarding these potential violations. Please note that omissions in the RCRA CEI report shall not be construed as a determination of compliance with any other applicable regulation.

The EPA routinely provides copies of inspection reports to state or tribal agencies, and upon request, to the public. Such releases are handled according to the Freedom of Information Act regulations, 40 C.F.R. Part 2, Subpart B. For any portion of the information included in this inspection report which is entitled to confidential treatment, please assert a confidentiality claim in accordance with 40 C.F.R. § 2.203(b). If the EPA determines that the information so designated meets the criteria set forth in 40 C.F.R. § 2.208, the information will be disclosed only to the extent, and by means of the procedures specified in 40 C.F.R. Part 2, Subpart B. As described in 40 C.F.R § 2.203(a)(2), the EPA will construe the failure to furnish a confidentiality claim within seven (7) calendar days from the date of your receipt of this letter as a waiver of that claim, and information may be made available to the public by the EPA without further notice.

If you have any questions regarding this letter, please contact Jennifer MacArthur of my staff at (415) 972-3994 or at macarthur.jennifer@epa.gov.

Sincerely,

/SIGNED/ Aug 16, 2021

Kaoru Morimoto
Manager, Hazardous Waste & Chemical Section
Enforcement & Compliance Assurance Division

Enclosure

cc (w/ enclosure):
Monte McCue, Evoqua (monte.mccue@evoqua.com)
Matthew Myers, Evoqua (matthew.myers@evoqua.com)

cc (w/out enclosure):
Wilfred Nabahe, CRIT EPO (Wilfred.Nabahe@crit-nsn.gov)
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Daniel Tormey, Catalyst Environmental Solutions (dtormey@ce.solutions)

United States Environmental Protection Agency

Region 9 Enforcement and Compliance Assurance Division
75 Hawthorne Street
San Francisco, CA 94105

RCRA INSPECTION REPORT

Inspection Date(s):	6/23/2021	**Inspection Announced:** Yes
Time:	**Entry:** 9:00 am	
Regulatory Program(s)	RCRA Subtitle C (Hazardous Waste)	
Company Name:	Evoqua Water Technologies	
Facility/Site Physical Location:	2523 Mutahar Street	
(city, state, zip code)	Parker, AZ 85344	
Geographic Coordinates:	34.13249, -114.27262	
County	La Paz	
Facility/Site Contact:	Russell Smith	Plant Manager
	Russell.smith@evoqua.com	(928) 669-5758 ext. 17
Facility/Site Identifier:	AZD982441263	
Generator Status	Permitted Treatment, Storage & Disposal Facility (TSDF) Large Quantity Generator (LQG)	
NAICS:	562211 – Hazardous Waste Treatment & Disposal	
Facility/Site Personnel Participating in Inspection:		
Russell Smith	Evoqua Water Technologies	Plant Manager
Don Breaux	Evoqua Water Technologies	Senior Supervisor of Production
Matthew Myers	Evoqua Water Technologies	Corporate Environmental Manager
Monte McCue	Evoqua Water Technologies	Executive Consultant
Additional Person(s) Participating in Inspection:		
Daniel Tormey	Catalyst Environmental Solutions	President
	dtormey@ce.solutions	(818) 317-7716
Inspector(s):		
Jennifer MacArthur (Lead)		
	US EPA Region 9, ENF-2-2	RCRA Inspector
	macarthur.jennifer@epa.gov	(415) 972-3994
Rick Sakow		
	US EPA Region 9, ENF-2-2	RCRA Inspector
	sakow.rick@epa.gov	(415) 972-3495
Supervisor Review:		
Kaoru Morimoto		
	US EPA Region 9, ENF-2-2	Manager, Hazardous Waste & Chemical Section
	morimoto.kaoru@epa.gov	(415) 972-3306

SECTION I – INTRODUCTION

Purpose of the Inspection

The purpose of the inspection was to determine Evoqua Water Technologies (Evoqua) compliance with applicable federal environmental statutes and regulations, and in particular, the Resource Conservation and Recovery Act (RCRA), as amended, the regulations provided in the Code of Federal Regulations (CFR), Chapter 40, Parts 261-265, 268, 273, and 279 and the provisions in their final RCRA permit.

Pre-Inspection

EPA announced the inspection on June 10, 2021 via phone call and follow-up email to Evoqua's Plant Manager, Russell Smith, as well as Evoqua's Director of Operations, Jared Hammond. I explained to the facility representatives that due to Covid-19 safety related precautions that EPA is announcing RCRA compliance inspections ahead of time. I provided the facility with a list of records that I would review at the time of the inspection.

Opening Conference

EPA Region 9 inspectors Jennifer MacArthur and Rick Sakow arrived at the Evoqua facility in Parker, AZ at 9:00 am on June 23, 2021. Daniel Tormey, an environmental consultant for the Colorado River Indian Tribe (CRIT), was also in attendance. We met with Russell Smith, Plant Manager, Don Breaux, Senior Production Supervisor, Matthew Myers, Corporate Environmental Manager, and Monte McCue, Evoqua's former Plant Manager and current consultant, in the opening conference of the inspection. I presented my credentials to the Evoqua facility representatives and informed them that this was an EPA inspection to determine Evoqua's compliance with RCRA regulations including air emissions standards and the conditions in their RCRA permit.

Facility/Site Description

Below is a Google Earth aerial view of the Evoqua facility in Parker, AZ.

The Evoqua facility is located on the CRIT reservation. The facility has 14 employees, operates 24 hours a day seven days a week and has been in its current location since 1992. Evoqua regenerates spent carbon for reuse.

The RCRA hazardous waste management permit issued for the facility in September 2018 allows the regeneration of carbon contaminated with hazardous waste subject to the conditions specified in the permit and in RCRA regulations. Approximately 10% of the spent carbon received at the Parker facility is designated as a hazardous waste under the provisions found in the RCRA regulations. The reactivation process generally consists of receipt and storage of spent carbon, transfer to one of the spent carbon storage tanks, and top-feeding into a multiple-hearth furnace for multiple-stage heat treatment. Once reactivated, the carbon is stored in product tanks and packaged for resale/redistribution.

Some of the equipment at Evoqua is subject to RCRA air emissions regulations. The facility is not subject to Subpart AA as there are no process vents associated with distillation, fractionation, thin-film evaporation, solvent extraction, or air or steam stripping. Evoqua is subject to Subpart BB (air emissions standards for equipment leaks) and Subpart CC (air emissions standards for tank, surface impoundments and containers). Subparts BB and CC allow for compliance to be demonstrated though adherence to Clean Air Act (CAA) requirements in 40 CFR Parts 60, 61 and/or 63 (see 40 CFR §264.1064(m)). Evoqua is subject to the National Emission Standards (NESHAP) for Benzene Waste, codified at 40 CFR Part 61, Subpart FF. For the most part Evoqua satisfies its obligations under Subparts BB and CC via compliance with Subpart FF. Evoqua's permit includes compliance plans for Subparts BB, CC and FF. The final Evoqua RCRA permit and supporting documents can be found on EPA's Evoqua Website: https://www.epa.gov/az/evoqua-water-technologies-llc.

Wastes generated by Evoqua includes spent carbon, spent carbon placed in tanks for regeneration, wastewater from air scrubber blowdown, filter cake from wastewater treatment

and hazardous debris. Other regulated wastes include universal waste lamps, universal waste batteries, and used oil. USEPA last inspected Evoqua in April 2018. No potential violations of RCRA were identified during the inspection.

SECTION II – OBSERVATIONS AND AREAS OF CONCERN

The on-site inspection portion of the CEI started in the main office area and proceeded to the File Room, Universal Waste Accumulation Room, Warehouse/Loading Area, Outside Process Area, Hopper Baghouse Area, Storage Tank Farm Area, Thermal Treatment Unit Area, Debris Storage Bin, Wastewater Treatment and Filter Press Area, Facility Control Room, Testing Laboratory, RCRA Permitted Container Storage Area and ended back at the main office area.

The following table describes the areas of concern observed during the facility walkthrough.

NO	OBSERVATION	PHOTOGRAPH	Regulatory Area of Concern
1	The inspectors observed that a label on the roll-off bin of debris with filter cake (D018, F001, F002, F003, F004, F005) was not marked with an indication of the hazards of the contents.	 Photo P6230008.JPG	A LQG must mark or label its containers with an indication of the hazards of the contents (examples include, but are not limited to, the applicable hazardous waste characteristic(s) (i.e., ignitable, corrosive, reactive, toxic); hazard communication consistent with the Department of Transportation requirements at 49 CFR part 172 subpart E (labeling) or subpart F (placarding); a hazard statement or pictogram consistent with the Occupational Safety and Health Administration Hazard Communication Standard at 29 CFR 1910.1200; or a chemical hazard label consistent with the National Fire Protection Association code 704) [40 CFR 262.17(a)(5)(B)]

NO	OBSERVATION	PHOTOGRAPH	Regulatory Area of Concern
2	The inspectors observed that a satellite accumulation container (SAA) of hazardous warehouse debris was not marked with an indication of the hazards of the contents.	Photo P6230012.JPG	A LQG must mark or label its containers with an indication of the hazards of the contents (examples include, but are not limited to, the applicable hazardous waste characteristic(s) (i.e., ignitable, corrosive, reactive, toxic); hazard communication consistent with the Department of Transportation requirements at 49 CFR part 172 subpart E (labeling) or subpart F (placarding); a hazard statement or pictogram consistent with the Occupational Safety and Health Administration Hazard Communication Standard at 29 CFR 1910.1200; or a chemical hazard label consistent with the National Fire Protection Association code 704) [40 CFR 262.17(a)(5)(B)]

Records Review

The Inspectors reviewed the following documents prior to or during the inspection:

- EPA's September 2018 Evoqua Final RCRA Permit and Attachments;
- Evoqua Waste Analysis Plan;
- Financial Assurance Documents (Guarantee Bond);
- Initial and Annual Refresher Training Documents;
- Training Plan;
- Contingency Plan;
- Annual Method 21 Testing and Inspection Records;
- Quarterly Benzene NESHAP Inspection Logs;
- Performance Demonstration Test (PDT) for RF-2 (Subpart X Thermal Treatment Unit);
- Weekly and Daily Inspection Logs;
- Hazardous Waste Manifests and Land Disposal Restriction (LDR) Forms;
- Incoming Waste Logs.

The inspectors asked that the following documents be provided via email immediately after the inspection:

- Carbon Canister Replacements Records for Air Pollution Control Devices;
- Startup/Shutdown/Malfunction Report;
- Air Monitoring Equipment Calibration Records;
- 2019 Subpart CC/VOC Laboratory Testing Results;
- Annual Ultrasonic Testing Results for Permitted Hazardous Waste Tanks.

Evoqua provided the requested documents via email on June 23, 2021. No areas of concern were noted during the records review.

Closing Conference

The inspectors conveyed preliminary inspection findings to the facility representatives and concluded the inspection.

SECTION III – LIST OF ATTACHMENTS

Attachment 1: Inspection photographs and photo log