

CONFIDENTIAL – ENFORCEMENT SENSITIVE

MEMORANDUM

TO: Todd Parfitt, Director, Department of Environmental Quality
Kevin Frederick, Administrator, Water Quality Division

THROUGH: John Passehl, Geological Supervisor

FROM: Kathy Shreve, Environmental Program Principal

DATE: November 12, 2014

RE: **NOV and Order Docket 5141-13;** Exceeding the daily maximum permitted injection volume. On November 14, 2012, Matrix Oilfield Services LLC injected a total of 2462 barrels of waste. Permit 10-033 allows for the injection of no more than 2400 barrels per day of waste.

Attached is a Notice of Violation and Order Docket Number **5141-13**, for failure to comply with permit conditions of an Underground Injection Control (UIC) Class I, Subclass 1I1, non-hazardous waste disposal well. This is a violation of the Wyoming Environmental Quality Act (Act), and the WDEQ Water Quality Rules and Regulations (WQRR) Chapter 13.

A penalty is not recommended at this time as long as the order is completely complied with in the accorded time.

BEFORE THE
DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE OF WYOMING

IN THE MATTER OF THE NOTICE OF VIOLATION AND ORDER ISSUED TO:)

Mr. Fred C. Bryla)
 Matrix Oilfield Services, LLC)
 5725 Commonwealth Blvd.)
 Sugarland, TX 77479)

DOCKET NUMBER 5141-13

NOTICE OF VIOLATION AND ORDER

NOTICE IS HEREBY GIVEN THAT:

1. Matrix Oilfield Services, LLC (**Matrix**) obtained coverage for injection of 2,400 barrels per day (100,800 gallons per day) of various types of non-hazardous wastes generated during the exploration and production of oil and gas wells into the Teckla “B” Member of the Lewis Shale Formation, on July 2, 2012 for the following well:

Facility Number	Injection Wells	Permit
WYS-009-00056	Reihle #1I (API No. 049-009-22408)	10-033

2. **Matrix** is in violation of Underground Injection Control (UIC) Permit 10-033, Section D (AUTHORIZED OPERATIONS), for exceeding the permitted maximum injection rate for the Reihle #1I well established in Underground Injection Control Permit 10-033 of 2,400 barrels per day. On February 25, 2013, a letter (dated February 21, 2013 and signed by a Mr. Fred C. Bryla) was received by the Wyoming Department of Environmental Quality, Water Quality Division, UIC Permitting Section (UIC Program), notifying the UIC Program that in November, 2012 the Reihle #1I well exceeded the daily maximum injection rate limit established in the permit of 2,400 barrels per day. The reported maximum injection rate during November, 2012 was reported as being 2,462 barrels per day, and was attributed as being the result of a calibration error.

Mr. Fred C. Bryla submitted further information via e-mail on March 29, 2013 to the UIC Program (Kathy Shreve) regarding the events of November 14, 2012.

- a. The exceedance was described as a one-day event, occurring on November 14, 2012.
- b. The exceedance was described as a time synchronization glitch between the injection meter, the injection data logger, and the injection batcher. The injection meter and injection data logger were manufactured by Cameron, under the brand name Nuflo Scanner 2000 Micro EFM, and the injection data batcher was manufactured by KEP Products. **Matrix** believes that the injection data batcher (manufactured by a different company than the rest of the equipment) is not compatible with the injection meter and injection data logger. **Matrix** is in the process of replacing the KEP Products injection data batcher with a new injection data batcher manufactured by Cameron or an equivalent, fully Nuflo-compatible device.
- c. While the new injection data batcher is being installed, **Matrix** has reduced allowable daily injection volumes to provide a margin of error in the event of

any further time synchronization issues between the injection meter, the injection data logger, and the injection batcher. In addition, **Matrix** has limited injection to those periods when the facility is under supervision by **Matrix** field personnel.

3. This Notice is being sent to you pursuant to W.S. 35-11-701(c)(i), which requires that in any case of the failure to correct or remedy an alleged violation, the Director of DEQ shall cause a written notice to be issued and served on the person alleged to be responsible.

ORDER

BEFORE THE ENVIRONMENTAL QUALITY COUNCIL – STATE OF WYOMING

WHEREFORE IT IS HEREBY ORDERED THAT:

1. **Within thirty (30) days of receipt of this Order, Matrix shall provide to the UIC Program a plan, schedule, and cost estimate to initiate a training/awareness program for all Matrix personnel to educate and inform all personnel regarding proper instrument calibration procedures for the injection meter, injection data logger, and injection batcher.**
2. **Within thirty (30) days of receipt of this Order, Matrix shall program the electrical kill signal, which is controlled by the injection batcher, to trigger once the daily permitted injection volume has been reached. The permit states, in Section D (AUTHORIZED OPERATIONS), “Injection Rates - The well is allowed the maximum instantaneous injection rate shown in Table 7 provided that the surface pressure limitations are not exceeded. The permittee shall set an alarm to detect increases in the injection rate above the maximum permitted instantaneous rate and shall immediately cease injection when the alarm is triggered; or shall install a kill switch to prevent injection at above the permitted rate.” Matrix has opted to use a ninety-five (95) percent injection volume trigger to prevent further exceedances of the maximum permitted injection volume at the Reihle #1I injection well.**
3. **Within sixty (60) days of receipt of this Order, Matrix shall have available for all personnel and maintain onsite an instruction manual that describes a step-by-step procedure for instrument calibration for the injection meter, injection data logger, and injection batcher for all Matrix employees to adhere to.**
4. **Within ninety (90) days of receipt of this Order, Matrix will provide a log (either written or electronic) for all Matrix employees to complete each time the injection meter is calibrated. Information obtained from Matrix indicates that the injection meter is calibrated monthly. The log shall, at a minimum, include the following information:**
 - a. **The name of the employee conducting the calibration.**
 - b. **The date the calibration was performed.**
 - c. **Results of the calibration.**
 - d. **Steps taken in the event the calibration was not successful.**
 - e. **Matrix personnel contacted in the event the calibration cannot be successfully completed.**
5. **Within one hundred and twenty (120) days of receipt of this Order, Matrix shall arrange for an inspection of the facility with UIC Program personnel.**

This ORDER is final unless, not later than ten (10) days after the date of this notice is received it is appealed by filing a written petition for a hearing before the Environmental Quality Council. If a hearing is requested, the petition shall be mailed to: Chairman, Wyoming Environmental Quality Council, Room 1714 Herschler Building, 1st Floor West, 122 West 25th Street, Cheyenne, Wyoming, 82002. The second petition shall be mailed to: Director, Wyoming Department of Environmental Quality, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002. Both petitions must be sent via certified mail, return receipt requested.

NOTHING IN THIS NOTICE OF VIOLATION (NOV) AND ORDER shall be interpreted to in any way limit or contravene any other remedy available under the Environmental Quality Act, nor shall this NOTICE OF VIOLATION AND ORDER be interpreted as being a condition precedent to any other enforcement action.

Ordered this _____ day of _____, 2013.

Todd Parfitt
Director
Department of Environmental Quality

Kevin Frederick
Administrator
Water Quality Division

PLEASE DIRECT ALL INQUIRIES TO: Kathy Shreve, Environmental Program Principal, Wyoming DEQ WQD, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002. Telephone 307-777-6682.

KS/rm/13-0576

cc: Wendy Cheung, EPA Region 8
John Passehl, WDEQ
Kathy Shreve, WDEQ
NOV Docket **5141-13**
Environmental Quality Council
Keith Guille, DEQ Public Information Office (PDF)

November 12, 2014

CERTIFIED MAIL

Mr. Fred C. Bryla
Matrix Oilfield Services, LLC
5725 Commonwealth Blvd.
Sugarland, TX 77497

RE: Notice of Violation and Order, Docket Number 5141-13

Dear Mr. Bryla:

Attached is a Notice of Violation and Order, Docket Number **5141-13**, for exceeding the maximum daily injection volume at well Reihle #1I on November 14, 2012. This is a violation of Underground Injection Control Permit UIC 10-033.

Facility Number	Injection Wells	Permit
WYS-009-00056	Reihle #1I (API No. 049-009- 22408)	10-033

ANY APPEALS TO THE ENVIRONMENTAL QUALITY COUNCIL FROM THE ATTACHED ORDER MUST BE MADE IN WRITING WITHIN THE TEN (10) DAY TIME LIMIT PRESCRIBED BY W.S. 35-11-701(c). Chapter I, Section 3 of the Department of Environmental Quality Rules of Practice and Procedure (<http://soswy.state.wy.us/RULES/5675.pdf>) sets forth the requirements for the initiation of appeal proceedings.

To appeal this Order and request a hearing, you must file two (2) copies of your written petition. The first petition shall be mailed to the Chairman of the Environmental Quality Council at Room 1714, Herschler Building, 1st Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002. The second petition should be sent to Todd Parfitt, Director, Wyoming Department of Environmental Quality, Herschler Building, 4th West, 122 West 25th Street, Cheyenne, Wyoming 82002. Both petitions must be sent by certified mail, return receipt requested.

PLEASE DIRECT ALL INQUIRIES TO: Ms. Kathy Shreve, Environmental Program Principal, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002. Telephone (307) 777-6682.

Matrix Oilfield Services, LLC

November 12, 2014

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The WDEQ would appreciate your immediate attention to this matter.

Todd Parfitt
Director
Department of Environmental Quality

Kevin Frederick
Administrator
Water Quality Division

KS/rm/13-0576

Attachment: Notice of Violation and Order

cc: Douglas Minter, EPA Region 8
John Passehl, DEQ
Kathy Shreve, DEQ
NOV Docket **5141-13**
Environmental Quality Council
Keith Guille, DEQ Public Information Officer (PDF File Only)