



May 01, 2023

Ms. Jennifer Means
Environmental Program Manager
Eastern District Oil and Gas Operations
Department of Environmental Protection
208 West Third Street, Suite 101
Williamsport, PA 17701-6448

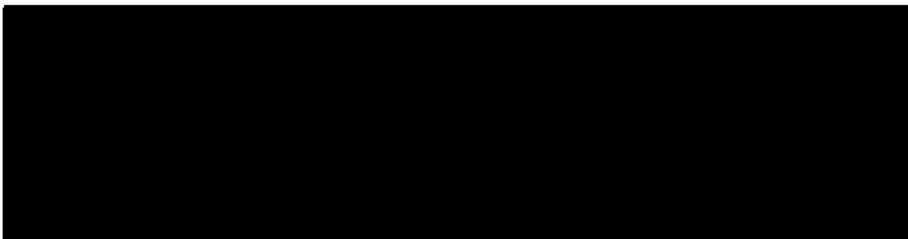
Re: 2022 Consent Order and Agreement - Coterra Energy Inc.
Dimock Township and Springville Township
Susquehanna County, Pennsylvania
Funding Notice

Dear Ms. Means,

As required in Paragraph 3.e.i. of the above-referenced 2022 Consent Order and Agreement (COA), Coterra Energy Inc. (Coterra) submits this Funding Notice outlining (i) the Subject Water Supply landowners (as referenced by number and name in Exhibit E of the COA) who refused or otherwise did not consent to Interim Treatment for their existing water supply and (ii) the amount of funds Coterra will deposit in a Mitigation Fund.

To date, the following Subject Water Supply landowners refused Interim Treatment, but have accepted bottled water delivery:

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-
-



The following Subject Water Supply landowners have failed to provide an affirmative response on Interim Treatment and they have declined bottled water delivery:

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The remaining Subject Water Supply landowners identified in Exhibit E have accepted Interim Treatment.

In each of the above cases, Coterra made multiple attempts to contact the resident(s) in person, by phone or in writing. We are providing documentation of attempts to contact

the Subject Water Supply landowners and their response of declination of treatment (where received) as follows:

- Communication log documenting attempts to communicate and/or conversations with the Subject Water Supply Landowners who refused Interim Treatment or otherwise failed to provide a response – See **Exhibit A**
- Letters sent via certified mail on February 28, 2023, to the Subject Water Supply Landowners who refused Interim Treatment or otherwise failed to provide a response, as well as the corresponding certified mail receipts, if returned – see **Exhibit B**

Further, consistent with Paragraph 3.e.i., Coterra will establish a Mitigation Fund for the Subject Water Supply landowners refusing or not providing a response to Interim Treatment. This Mitigation Fund will cover any future installation, operation and maintenance of each interim treatment system should any of these landowners decide to accept such treatment.

As shown in the attached Table included in **Exhibit C**, a summary of the basis for such an amount is itemized by each landowner. The installation, operation and maintenance costs have been conservatively calculated to cover these costs for a period of ten (10) years.

Based on these criteria, Coterra is proposing to place Four Hundred Fifty Thousand Dollars (\$450,000.00) into the Mitigation Fund for the above-referenced water supplies. Upon Department approval, Coterra will transfer these funds into the Mitigation Fund account within ten (10) days as required under 3.e.ii.

If you have any questions concerning this information, please contact me.

Respectfully,



Gary J. Hlavinka
Vice President – Marcellus Business Unit
Coterra Energy Inc.

Attachments:

Communication Log – Exhibit A

Landowner Letters dated February 28, 2023 & Registered Mail Receipts- Exhibit B

Table Detailing Treatment, O&M and Other Associated Costs – Exhibit C

Exhibit A

Exhibit A – Communication Log¹

- **Phone Call - 12/1/22** - Resident ***agreed to have water tested and provision of temporary bottled water***. Stated that [REDACTED] would be willing to meet to discuss Interim Treatment.
- **Phone Call - 12/8/22** – Called resident about setting up a meeting to talk about Interim Treatment. Resident verbally ***declined Interim Treatment***.
- **Certified Letter Confirming Interim Treatment Election** - Sent 2/28/23 - Interim Treatment Election - Receipt Received on 3/13/23

- **Phone Call - 12/1/2022** – Coterra placed call - left voicemail message regarding water delivery and Interim Treatment.
- **Phone Call - 12/7/22** – Resident called - left a voicemail to call [REDACTED] back.
- **Phone Call - 12/8/22** – Coterra returned call - left voicemail message.
- **Phone Call - 12/12/22** - Resident called - left a voicemail to call [REDACTED] back.
- **Phone Call - 12/12/22** - Spoke with resident. Resident verbally ***agreed to have water tested and provision of temporary bottled water***. Resident verbally ***declined Interim Treatment***.
- **Certified Letter Confirming Interim Treatment Election** - Sent 2/28/23 - Interim Treatment Election – No Receipt Received

- **Face to Face Visit - 12/14/22** - Resident verbally ***agreed to provision of temporary bottled water***. Resident verbally ***declined sampling and declined Interim Treatment***.
- **Certified Letter Confirming Interim Treatment Election** - Sent 2/28/23 - Interim Treatment Election - Receipt Received on 3/6/23

- **Phone Call - 12/2/22** – Spoke with resident regarding provision of temporary (bottled) water and meeting to discuss Interim Treatment. Resident verbally ***declined provision of temporary bottled water*** – resident cited historic problems with selected water purveyor (J&J Springs). Resident also cited dissatisfaction with prior treatment system and would not agree to a certain time to meet.
- **Phone Calls - 12/13/22** – Coterra attempted to contact; left voice mail message three times that day.
- **Face to Face Visit - 12/15/22** – Coterra met with the residents at their home. They again verbally ***declined provision of temporary bottled water***; stated that they already purchase water from Poland Springs. Resident requested a *meeting with Coterra and DEP*. It was proposed at this time that the [REDACTED] water well on their property could be replumbed

¹ Coterra will provide copies of any letters or e-mails referenced in this Communication Log, not otherwise provided, upon Department request.

with a shed for Interim Treatment to replace their existing water supply. Resident appeared amenable to this suggestion.

- **Phone Calls** – 12/19/22 - Coterra attempted to contact; left voice mail message two times that day.
- **Phone Calls** - 12/20/22 - Coterra attempted to contact; left voice mail message three times that day.
- **Phone Calls** - 12/21/22 - Coterra attempted to contact; left voice mail message three times that day.
- **Phone Calls** – 12/22/22 - Coterra attempted to contact; left voice mail message two times that day.
- **Phone Calls** - 12/27/22 - Coterra attempted to contact; left voice mail message three times that day.
- **Phone Calls** - 12/28/22 - Coterra attempted to contact; left voice mail message four times that day.
- **Letter Sent** - 12/29/22 - from Moody requesting permission to collect water samples at [REDACTED]
- **Email Received** - 12/31/22 - from resident to Moody asking several questions, ***declined access to collect water samples.***
- **Letter Received** - 1/3/23 - from resident to Coterra asking questions regarding Interim Treatment; ***asked for a meeting to be setup with PADEP and representatives of Coterra.***
- **Email Sent** - 1/13/23 - to resident from Coterra addressing questions from 1/3/23 letter: included Interim Treatment system details, manufacturer's catalog cuts, description of the installation process, O&M information, and responsibilities.
- **Email Received** – 1/26/23 resident e-mailed photos of their existing treatment shed.
- **Certified Letter Confirming Interim Treatment Election** – Sent 2/28/23 - Interim Treatment Election – No Receipt Received
- **Phone Call** – 2/28/23 – Moody called and left a voice mail message asking about the possibility of sampling.
- **Email Sent** - 3/1/23 - to resident from Coterra, including a PDF attachment of election letter (bcc'd PADEP; Jennifer Means and Michael O'Donnell).
- **Email Received** - 3/1/23 - from resident to Coterra with similar questions as prior correspondence, ***did not assent to sampling request.*** In response to a message left on the resident's answering machine from Moody on 2/28/23, resident posed additional questions regarding testing, who will come to property, what parameters will be tested, etc.
- **Email Received** - 3/8/23 – resident e-mailed photos of their existing treatment shed in response to e-mail sent 3/1/23; ***did not assent to sampling request.***
- **Phone Call** - 4/11/23 - Coterra attempted to contact; left voice mail message.
- **Email Sent** - 4/18/23 – from Coterra to the [REDACTED] inviting them to a 3-party conference with Coterra and PADEP.
- **Email Received** – 4/23/23 – from resident to Coterra requesting clarification on nature of 3-party conference.

-
- **Phone Call** - 12/1/22 – Coterra placed call - left voicemail message regarding water delivery and Interim Treatment.
 - **Phone Call** - 12/1/22 – Received call back from resident. Resident ***agreed to provision of temporary bottled water.*** Resident verbally ***declined sampling and interim water treatment.***
 - **Certified Letter Confirming Interim Treatment Election** - Sent 2/28/23 - Interim Treatment Election - Receipt Received 3/20/23
 - **Phone Call** – 4/13/23 - Call to discuss water sampling. Resident verbally ***agreed to sampling.***

-
- **Phone Call** - 12/13/22 – Coterra placed call - left voicemail message regarding water delivery and Interim Treatment.
 - **Phone Call** - 12/14/22 - Received a call back from resident. Resident stated that [REDACTED] ***is currently receiving provided water (bottled and bulk) from Coterra*** (by GL Parrish) and would prefer to keep receiving the bulk water. Resident verbally ***declined Interim Treatment.***
 - **Certified Letter Confirming Interim Treatment Election** - Sent 2/28/23 - Interim Treatment Election - Receipt Received 3/6/23
 - **Phone Call** - 4/11/23 - Left voicemail message for resident to call back.
 - **Phone Call** - 4/18/23 - Spoke with resident inquiring as to availability to attend a 3-party conference with Coterra, the PADEP and [REDACTED] to discuss Interim Treatment and future water delivery. Resident ***agreed to meet for conference*** to be held on 4/26/23 at the Coterra office in Dimock, PA. Meeting was postponed due to schedule conflict. To be rescheduled for future date in May 2023.

Exhibit B



Coterra Energy Inc.
Marcellus Business Unit
8207 State Route 29
Montrose, PA 18801

T 570.278.3518
coterra.com

February 28, 2023

VIA CERTIFIED MAIL



Re: Interim Water Treatment Election

Dear 

As you know, on November 29, 2022, Coterra Energy Inc. ("Coterra") entered into a Consent Order and Agreement (the "Agreement") with the Pennsylvania Department of Environmental Protection. Pursuant to the Agreement, Coterra offered to install a new water treatment system for your property, which Coterra would operate and maintain as required by the Agreement. This letter confirms that you elected not to accept a new water treatment system.

As detailed in the Agreement, Coterra will be setting aside funds to cover the installation, operation, and maintenance of a water treatment system for your property if you change your mind in the future. If you have any questions, or if you would now like Coterra to install a new water treatment system for your property, please do not hesitate to contact me.

Thank you,

A handwritten signature in blue ink that reads 'Jesse Place'.

Jesse Place
Landman
(570) 278-8626
jesse.place@coterra.com

Date Produced: 03/13/2023

CABOT OIL & GAS CORPORATION:

The following is the delivery information for Certified Mail™/RRE item number [REDACTED]
[REDACTED] Our records indicate that this item was delivered on 03/09/2023 at 04:43 p.m. in [REDACTED]
PA [REDACTED] The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature X	[REDACTED]
Printed Name	[REDACTED]

Address of Recipient :

Delivery Address	[REDACTED]
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Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local post office or Postal Service representative.

Sincerely,
United States Postal Service

The customer reference number shown below is not validated or endorsed by the United States Postal Service. It is solely for customer use.

Customer Reference Number: [REDACTED]

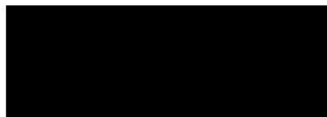


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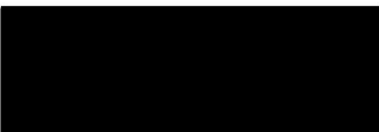


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(570) 278-8626
jesse.place@coterra.com



Date Produced: 03/06/2023

CABOT OIL & GAS CORPORATION:

The following is the delivery information for Certified Mail™/RRE item number [REDACTED]
[REDACTED] Our records indicate that this item was delivered on 03/03/2023 at 02:25 p.m. in
[REDACTED]. The scanned image of the recipient information is provided below.

Signature of Recipient :



Address of Recipient :



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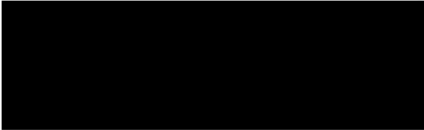


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Date Produced: 03/20/2023

CABOT OIL & GAS CORPORATION:

The following is the delivery information for Certified Mail™/RRE item number [REDACTED]. Our records indicate that this item was delivered on 03/13/2023 at 01:16 p.m. in [REDACTED]. The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature	[REDACTED]
Printed Name	[REDACTED]

Address of Recipient :

Delivery Address	[REDACTED]
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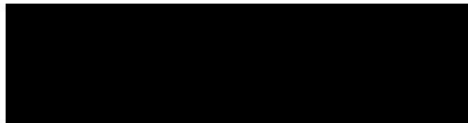


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As detailed in the Agreement, Coterra will be setting aside funds to cover the installation, operation, and maintenance of a water treatment system for your property if you elect to move forward with a new water treatment system in the future. If you have any questions, or if you would now like Coterra to install a new water treatment system for your property, please do not hesitate to contact me.

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Certified Mail Fee
\$4.15

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$2.10
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.600

Total Postage and Fees
\$6.850

Electronic Return Receipt Requested

Postmark
Here

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or PO Box No.
City, State, Zip+4

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Extra Services & Fees (check box, add fee as appropriate)

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<input type="checkbox"/> Adult Signature Required	\$0.00
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Postage \$0.600

Total Postage and Fees
\$6.850

Electronic Return Receipt Requested

Postmark
Here

Sent To
Street, Apt. No.,
or PO Box No.
City, State, Zip+4

PS Form 3800, April 2015 See Reverse for Instructions

Exhibit C

Exhibit C - 2022 COA Mitigation Fund - Itemization of Interim Water Treatment Costs

Exhibit E Reference #		8	9	11	12	13	18	19	
Item	Average Cost Per Unit*								Total
Shed	\$ 4,382.04	\$ 4,382.04	\$ 4,382.04	\$ 4,382.04	\$ 4,382.04	\$ 4,382.04	\$ 4,382.04	\$ 4,382.04	\$ 30,674.28
Insulation (polyurethane foam)	\$ 1,556.00	\$ 1,556.00	\$ 1,556.00	\$ 1,556.00	\$ 1,556.00	\$ 1,556.00	\$ 1,556.00	\$ 1,556.00	\$ 10,892.00
Site Grading & Trenching	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 20,000.00	\$ 15,000.00	\$ 15,000.00	\$ 110,000.00
Electrical Costs - Shed - labor	\$ 2,912.38	\$ 2,912.38	\$ 2,912.38	\$ 2,912.38	\$ 2,912.38	\$ 2,912.38	\$ 2,912.38	\$ 2,912.38	\$ 20,386.68
Plumbing Installation Costs - In Shed	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 24,500.00
Pressure Tank - FL-7	\$ 450.00	\$ 450.00	\$ 450.00	\$ 450.00	\$ 450.00	\$ 450.00	\$ 450.00	\$ 450.00	\$ 3,150.00
Automated Spindown Filter	\$ 350.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 2,450.00
Sentry Unit - 10 GPM	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	N/A	N/A	N/A	\$ 5,000.00	\$ 20,000.00
Additional Aeration Unit	\$ 680.00	\$ 680.00	\$ 680.00	N/A	N/A	N/A	N/A	\$ 680.00	\$ 2,040.00
Carbon Filter - 1.5 cu. ft.	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	N/A	N/A	N/A	\$ 1,500.00	\$ 6,000.00
Greensand filter with ozonator - 1.5 cu. ft.	\$ 1,500.00	N/A	N/A	N/A	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	N/A	\$ 4,500.00
Pentair Filter 25/1 filter - 20"	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 1,400.00
25/1 - 20" Cartridge	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 350.00
UV Filter	\$ 1,000.00	N/A	N/A	N/A	N/A	\$ 1,000.00	N/A	N/A	\$ 1,000.00
Baseboard Heater - 4 ft.	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 1,400.00
Jug Chlorine Pellets	\$ 59.83	\$ 59.83	\$ 59.83	\$ 59.83	N/A	N/A	N/A	\$ 59.83	\$ 239.33
Watt Meter	\$ 534.98	\$ 534.98	\$ 534.98	\$ 534.98	\$ 534.98	\$ 534.98	\$ 534.98	\$ 534.98	\$ 3,744.86
Methane Detector - RKI PS2	\$ 118.00	\$ 118.00	\$ 118.00	\$ 118.00	N/A	N/A	N/A	\$ 118.00	\$ 472.00
Dwyer Flow Meter	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 1,050.00
Permit Fees & Engineering	\$ 3,016.91	\$ 3,016.91	\$ 3,016.91	\$ 3,016.91	\$ 3,016.91	\$ 3,016.91	\$ 3,016.91	\$ 3,016.91	\$ 21,118.35
Total Installation Cost		\$ 39,660.14	\$ 39,660.14	\$ 38,980.14	\$ 33,802.31	\$ 39,802.31	\$ 33,802.31	\$ 39,660.14	\$ 265,367.50
Contingency 10%		\$ 3,966.01	\$ 3,966.01	\$ 3,898.01	\$ 3,380.23	\$ 3,980.23	\$ 3,380.23	\$ 3,966.01	\$ 26,536.75
Total Installed Cost with Contingency		\$ 43,626.16	\$ 43,626.16	\$ 42,878.16	\$ 37,182.54	\$ 43,782.54	\$ 37,182.54	\$ 43,626.16	\$ 291,904.25
Inflation Rate (%)		2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Total Installed Cost at 10 yrs (w/escalator)		\$ 54,483.09	\$ 54,483.09	\$ 53,548.94	\$ 46,435.90	\$ 54,678.39	\$ 46,435.90	\$ 54,483.09	\$ 364,548.41
O&M - 10 Yrs		\$ 12,636.00	\$ 12,636.00	\$ 12,636.00	\$ 8,360.00	\$ 8,360.00	\$ 8,360.00	\$ 12,636.00	\$ 75,624.00
Total Installed Cost Plus O&M		\$ 67,119.09	\$ 67,119.09	\$ 66,184.94	\$ 54,795.90	\$ 63,038.39	\$ 54,795.90	\$ 67,119.09	\$ 440,172.41

* - Unit Costs based on retail cost of part/item or average of vendor/contractor charges billed for similar systems.

N/A - Not Applicable

Exhibit C - Summary of Interim Treatment System Requirements and Projected Costs to Comply with Section 3.e.i of COA (Mitigation Fund)

Exhibit E Reference #	Landowner Name	Parcel Number	Address	Status	Existing Residential Structure	Methane Treatment Needed	Other Potential Constituents Requiring Treatment	Most Recent Raw Water Sample Date	Raw Water Methane (mg/L)	Treatment Shed Needed ¹	Installed Cost for Treatment System (Present Value) ²	Installed Cost for Treatment System (10 years escalation) ³	O&M Costs 10 Yrs ⁴	Total Costs ⁵
8				Declined Interim Treatment		Yes	Al, Fe, Mn, Turbidity, pH (high)	3/6/2023	24	Yes (based on landowner discussion)	\$ 43,626.16	\$ 54,483.09	\$ 12,636.00	\$ 67,119.09
9				Declined Interim Treatment		Yes	Fe, Mn, Turbidity	3/6/2023	37	Yes	\$ 43,626.16	\$ 54,483.09	\$ 12,636.00	\$ 67,119.09
11				Declined Interim Treatment		Yes - currently below 7 mg/L	Fe, Mn, Turbidity	2/27/2023	5.5	Yes	\$ 42,878.16	\$ 53,548.94	\$ 12,636.00	\$ 66,184.94
12				Declined Interim Treatment		No	Fe, Mn, Turbidity	6/7/2021	0.77	No	\$ 37,182.54	\$ 46,435.90	\$ 8,360.00	\$ 54,795.90
13				Non-responsive (assumed Declination of Interim Treatment)		No	Mn, Turbidity	7/18/2018	0.45	Yes (based on landowner discussion)	\$ 43,782.54	\$ 54,678.39	\$ 8,360.00	\$ 63,038.39
18				Declined Interim Treatment		No	Fe, Mn, Turbidity	3/27/2023	1.4	No	\$ 37,182.54	\$ 46,435.90	\$ 8,360.00	\$ 54,795.90
19				Declined Interim Treatment		Yes - currently below 7 mg/L	Fe, Mn, Turbidity	2/16/2023	3	Yes	\$ 43,626.16	\$ 54,483.09	\$ 12,636.00	\$ 67,119.09
Total											\$ 291,904.25	\$ 364,548.41	\$ 75,624.00	\$ 440,172.41

Notes:
1 - To be conservative, all systems are costed to include a treatment shed system.
2 - Includes 10% Contingency.
3 - Assumes an inflation rate of 2.5%.
4 - Conservatively assumes full 10 years of O&M costs.
5 - Installed Cost (10 yrs escalation) and 10 yrs O&M.