NM1-66

Notice

Tara Marie Weldon, et. al C/O Sharon Kowalick, et al. 285th Ave NW Isanti, MN 55040

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding
Application for a Commercial Surface Waste Management Facility, Permit NM1-66
North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Tara Marie Weldon, et. al.:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information

Depth to Shallowest Groundwater: ~175-200 feet Total Dissolved Solids: ~1,000 mg/L or less

19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

compacted clay exhibiting hydraulic conductivities of 1x10⁻⁹ or less. Hydrologic evaluation of landfill performance (HELP) modeling is provided in **Appendix J** of the Permit Application Document..

- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

Thank you for your attention to this matter.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Tara Marie Weldon, et. al. C/O Sharon Kowalick, et. al. 285th Ave NW Isanti, MN 55040 	A. Signature X CDV — Agent Addressee B. Received by (Printed Name) C. Date of Delivery C. Date of Delivery D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No
9590 9402 5941 0062 9730 15 2. Article Number (Transfer from service label) 720 0640 0000 1385 4749	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail Sestricted Delivery □ Collect on Delivery □ Collect on Delivery □ Insured Mail □ Insured Mail □ Insured Mail Restricted Delivery (over \$500) □ Priority Mail Express® □ Registered Mail™ □ Registered Mail™ □ Registered Mail Restricted Delivery □ Return Receipt for □ Merchandise □ Signature Confirmation™ □ Signature Confirmation Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	(over \$500) Domestic Return Recei

Polly J. Crook C/O Duane R. Daley 2407 E. Iverness Mesa, AZ 85201

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding
Application for a Commercial Surface Waste Management Facility, Permit NM1-66
North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Polly J. Crook:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information
 Depth to Shallowest Groundwater: ~175-200 feet
 Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of **Appendix D** of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- compacted clay exhibiting hydraulic conductivities of 1x10-9 or less. Hydrologic evaluation of landfill performance (HELP) modeling is provided in Appendix J of the Permit Application Document...
- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻⁵ cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10⁻⁶ to 1.1x10⁻⁷ cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

Thank you for your attention to this matter.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permite. Article Addressed to: Polly J. Crook C/O Duane R. Daley 2407 E. Iverness Mesa, AZ 85201 	A. Signature X. Agent Addressee B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 12 If YES, enter delivery address below:
9590 9402 5941 0062 9730 46 2. Article Number (Transfer from service label) 7020 0640 0000 1385 4763	3. Service Type
PS Form 3811, July 2015 PSN 7530-02-000-9053	(over \$500) Domestic Return Receipt

Daniel Baeza C/O Cuatro Transportation, Inc. PO Box 1384 Jal, NM 88252

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding
Application for a Commercial Surface Waste Management Facility, Permit NM1-66
North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Mr. Baeza:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information
 Depth to Shallowest Groundwater: ~175-200 feet
 Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/lmaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of **Appendix D** of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- compacted clay exhibiting hydraulic conductivities of 1x10⁻⁹ or less. Hydrologic evaluation of landfill performance (HELP) modeling is provided in **Appendix J** of the Permit Application Document..
- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

> largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

Thank you for your attention to this matter.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Daniel Baeza C/O Cuatro Transportation, Inc. 	A. Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No
PO Box 1384 Jal, NM 88252	

Construction Materials

Stephanie Garcia Richards Commissioner of Public Lands 310 Old Santa Fe Trail Santa Fe, NM 87504

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding
Application for a Commercial Surface Waste Management Facility, Permit NM1-66
North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Commissioner Garcia Richards:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information
 Depth to Shallowest Groundwater: ~175-200 feet
 Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

compacted clay exhibiting hydraulic conductivities of 1x10⁻⁹ or less. Hydrologic evaluation of landfill performance (HELP) modeling is provided in **Appendix J** of the Permit Application Document..

- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be

North Ranch SWMF ... Lea County, New Mexico November 2020 ■ Project No. 35187378

> largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

Thank you for your attention to this matter.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permite. 1. Article Addressed to: Stephanie Garcia Richards Commissioner of Public Lands 310 Old Santa Fe Trail Santa Fe, NM 87504 € 750	A. Signature A. Signature Addressee B. Received by (Parted Name) C. Date of Delivery D. Is delivery address different from item 1? Yes If YES, enter delivery address below:
9590 9402 5941 0062 9729 95 2. Article Number (Transfer from service label) 120 01 10 10 11 1365 4725	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery □ Insured Mail □ Insured Mail □ Insured Mail Restricted Delivery □ Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt

James Moomaw PO Box 341 Tremonton, UT 84437

RE:

Notice of New Mexico Oil Conservation Division Tentative Decision Regarding Application for a Commercial Surface Waste Management Facility, Permit NM1-66 North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Mr. Moomaw:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC
 3773 Cherry Creek Dr. Suite 1000
 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information

Depth to Shallowest Groundwater: ~175-200 feet Total Dissolved Solids: ~1,000 mg/L or less

19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe. NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for compacted clay exhibiting hydraulic conductivities of 1x10⁻⁹ or less. Hydrologic

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- evaluation of landfill performance (HELP) modeling is provided in **Appendix J** of the Permit Application Document.
- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- o 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

North Ranch SWMF ... Lea County, New Mexico November 2020 ■ Project No. 35187378

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

Thank you for your attention to this matter.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON D	DELIVERY
Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name)	Agent Addressee C. Date of Delivery
1. Article Addressed to: James Moomaw PO Box 341 Tremonton, UT 84437	D. Is delivery address different from If YES, enter delivery address because the second	11011111
9590 9402 5941 0062 9730 08 2. Article Number (Transfer from service label)	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Insured Mail	☐ Priority Mail Express®☐ Registered Mail™☐ ☐ Registered Mail Restricte ☐ Return Receipt for Merchandise☐ ☐ Signature Confirmation™☐ ☐ Signature Confirmation

High Roller Enterprises 1008 Southview Circle Center, TX 75935

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding

Application for a Commercial Surface Waste Management Facility, Permit NM1-66 North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear High Roller Enterprises:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver. Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's Tentative Decision to approve NGL's Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico. The proposed facility is a landfill, whose primary purpose will be to permanently dispose of nonhazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information
 Depth to Shallowest Groundwater: ~175-200 feet
 Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe. NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for compacted clay exhibiting hydraulic conductivities of 1x10⁻⁹ or less. Hydrologic

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- evaluation of landfill performance (HELP) modeling is provided in Appendix J of the Permit Application Document ..
- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻⁵ cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10⁻⁶ to 1.1x10⁻⁷ cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

North Ranch SWMF . Lea County, New Mexico November 2020 ■ Project No. 35187378

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

Thank you for your attention to this matter.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: High Roller Enterprises, LLC 1008 Southview Circle Center, TX 75935 	A. Signature X
9590 9402 5941 0062 9730 91 2. Article Number (Transfer from service label) 2. In the Company of the Company	3. Service Type □ Aguit Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery □ Insured Mail □ Restricted Delivery (over \$500) □ Priority Mail Express® □ Registered Mail Testricted Delivery □ Merchandise □ Signature Confirmation™ □ Signature Confirmation Restricted Delivery

Rex Harelson 636 W. Manhatton Dr. Tempe, AZ 85282

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding
Application for a Commercial Surface Waste Management Facility, Permit NM1-66
North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Mr. Harelson:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information Depth to Shallowest Groundwater: ~175-200 feet Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10-7 cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for compacted clay exhibiting hydraulic conductivities of 1x10-9 or less. Hydrologic

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- evaluation of landfill performance (HELP) modeling is provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- O 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

Thank you for your attention to this matter.

A STATE OF THE STA	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: Rex Harelson 636 W. Manhatton Dr. Tempe, AZ 85282 	A. Signature Agent Addressee B. Receives by (Plinten Name) C. Date of Delivery D. Is delivery address different from item 1? If YES, enter delivery address below: DEC 14 2000
9590 9402 5941 0062 9730 84 2. Article Number (Transfer from service label) 7020 0640 0000 1385 4817	3. Service Type ☐ Adult Signature ☐ Adult Signature ☐ Registered Mail™ ☐ Registered Mail™ ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Collect on Delivery Restricted Delivery ☐ Insured Mail Restricted Delivery ☐ Restricted Delivery ☐ Restricted Delivery ☐ Registered Mail Restricted Delivery ☐ Restricted Delivery ☐ Registered Mail Restricted Delivery ☐ Restricted Delivery ☐ Registered Mail Restricted Delivery ☐ Restricted Delivery
7020 0640 0000 1385 4817 PS Form 3811, July 2015 PSN 7530-02-000-9053	over \$500) Domestic Return Receip

Alan Barker NGL Energy Partners, LP 6120 S. Yale Ave, Suite 805 Tulsa, OK 74136

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding
Application for a Commercial Surface Waste Management Facility, Permit NM1-66
North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Mr. Barker .:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF . Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information Depth to Shallowest Groundwater: ~175-200 feet Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC- The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- compacted clay exhibiting hydraulic conductivities of 1x10⁻⁹ or less. Hydrologic evaluation of landfill performance (HELP) modeling is provided in **Appendix J** of the Permit Application Document.
- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be

North Ranch SWMF . Lea County, New Mexico November 2020 ■ Project No. 35187378

> largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

Thank you for your attention to this matter.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: North Fanch C/O NGL Energy Partners, LP Attn: Alan Barker 6120 S. Yale Ave, Suite 805 Tulsa, OK 74136 	A. Signature X CO44 CO19 Agent Addressee B. Received by (Printed Name) C. Date of Delivery S CO44 CO19 12-7-2-20 D. Is delivery address different from Item 1? Yes If YES, enter delivery address below: No
9590 9402 5941 0062 9730 22 2. Article Number (Transfer from service label) 7020 0640 0000 1385 4756	3. Service Type □ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery □ Insured Mail □ Insured Mail Restricted Delivery (over \$500) □ Priority Mail Express® □ Registered Mail Testricted Delivery □ Registered Mail Restricted Delivery □ Registered Mail Restricted Delivery □ Registered Mail Restricted Delivery □ Signature Confirmation □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt

Jim Amos Bureau of Land Management 620 E. Greene St. Carlsbad, NM 88220

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding Application for a Commercial Surface Waste Management Facility, Permit NM1-66 North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Mr. Amos:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information Depth to Shallowest Groundwater: ~175-200 feet Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC- The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10-7 cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for

North Ranch SWMF ■ Lea County, New Mexico November 2020 m Project No. 35187378

- compacted clay exhibiting hydraulic conductivities of 1x10-9 or less. Hydrologic evaluation of landfill performance (HELP) modeling is provided in Appendix J of the Permit Application Document...
- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10⁻⁶ to 1.1x10⁻⁷ cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using **HELP Modeling.**
- o 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Jim Amos Bureau of Land Management 620 E. Greene St. Carlsbad, NM 88220 	A. Signature X	
9590 9402 5941 0062 9730 39	3. Service Type □ Adult Signature □ dult Signature Restricted Delivery □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery □ Collect on Delivery	

November 30, 2020

Bert Madera 524 Antelope Ridge Jal, NM 88252

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding Application for a Commercial Surface Waste Management Facility, Permit NM1-66 North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Mr. Madera:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

The landfill portion of the Proposed Facility is located approximately 16 miles west of Jal, New Mexico and within Sections 9 and 10 of T25S, R34E. Specifically, travel west out of Jal on Highway 128 approximately 14 miles to Battle Axe Road (Highway 2). Follow Battle Axe Road south for approximately 4 miles and the Proposed Facility is located on the west side. The slurry injection portion of the Proposed Facility is located approximately 3.5 miles north of the landfill within Section 24 of T25S, R34E. Specifically, travel west out a Jal, New Mexico approximately 15 miles and the well facility will be located on the south side of Highway 128.

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information Depth to Shallowest Groundwater: ~175-200 feet Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10-7 cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for compacted clay exhibiting hydraulic conductivities of 1x10-9 or less. Hydrologic

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- evaluation of landfill performance (HELP) modeling is provided in **Appendix J** of the Permit Application Document.
- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

1	LUBBOCK TX 794	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Bert Madera 524 Antelope Ridge Jal, NM 88252 	A. Signature X	
9590 9402 5941 0062 9730 60 2. Article Number (Transfer from service label) 7020 0640 0000 1385 4794	3. Service Type ☐ Adult Signature ☐ Adult Signature ☐ Hegistered Mail™ ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery Hestricted Delivery ☐ Insured Mail ☐ Insured Mail Restricted Delivery Over \$500) ☐ Registered Mail™ ☐ Regis	
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt	

November 30, 2020

Barbara Y Witten Trust 23 Bergen St. Brooklyn, NY 11201

RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding Application for a Commercial Surface Waste Management Facility, Permit NM1-66 North Ranch Surface Waste Management Facility, Lea County, New Mexico

Dear Barbara Y Witten Trust:

On October 30, 2020, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

The landfill portion of the Proposed Facility is located approximately 16 miles west of Jal, New Mexico and within Sections 9 and 10 of T25S, R34E. Specifically, travel west out of Jal on Highway 128 approximately 14 miles to Battle Axe Road (Highway 2). Follow Battle Axe Road south for approximately 4 miles and the Proposed Facility is located on the west side. The slurry injection portion of the Proposed Facility is located approximately 3.5 miles north of the landfill within Section 24 of T25S, R34E. Specifically, travel west out a Jal, New Mexico approximately 15 miles and the well facility will be located on the south side of Highway 128.

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information Depth to Shallowest Groundwater: ~175-200 feet Total Dissolved Solids: ~1,000 mg/L or less
- 19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC- The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation. boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for compacted clay exhibiting hydraulic conductivities of 1x10-9 or less. Hydrologic

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- evaluation of landfill performance (HELP) modeling is provided in **Appendix J** of the Permit Application Document..
- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- o 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- o 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

North Ranch SWMF . Lea County, New Mexico November 2020 Project No. 35187378

- o 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.
- 19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020. Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Barbara Y Witten Trust 23 Bergen St. Brooklyn, NY 11201 	A. Signature X B. Received by (Printed Name) D. Is delivery address different from If YES, enter delivery address by	Agent Addressee C. Date of Delivery 2 5 20 item 1? □ Yes elow: □ No
9590 9402 5941 0062 9730 77 2. Article Number (Transfer from service label) 120 144 1000 21/335 9800	3. Service Type Adult Signature Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Insured Mail Insured Mail Restricted Delivery	☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricts Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation☐ Signature Confirmation Restricted Delivery

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Todd Bailey, Editor of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated December 02, 2020 and ending with the issue dated December 02, 2020.

Toold Ba

Sworn and subscribed to before me this 2nd day of December 2020.

Business Manager

My commission expires

(Seal

OFFICIAL SEAL **GUSSIE BLACK** Notary Public State of New Mexico

My Commission Expires 1-2

A STANDARD CONTRACTOR STANDARD CONTRACTOR OF THE This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE December 2, 2020

Notice of Tentative Decision to Approve NGL Application for Surface Waste Management Facility North Ranch Surface Waste Management Facility Lea County, New Mexico

On October 30, 2020, Applicant, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division of the Division's Tentative Decision to approve NGL's Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10 and 24, Township 25 South, Range 34 East NMPM, Lea County, New Mexico.

The Proposed Facility is located approximately 16 miles west of Jal, New Mexico and within Sections 9, 10 and 24 of T25S, R34E11. More specifically, travel west out of Jal on Highway 128 approximately 14 miles to Battle Axe Road (Highway 2). Follow Battle Axe Road south for approximately 4 miles and the Proposed Facility is located on the west side. The Proposed Facility is a landfill with a slurry injection well, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas production of oil and gas.

The Applicant bored multiple holes at the site to depths of 165 feet and did not encounter groundwater. The depth to shallowest groundwater beneath the Proposed Facility is 175-200 feet and the total dissolved solids is 1,000 mg/L

The Division's Tentative Decision to approve the Application with conditions is a vailable on the Division's website a vailable on the Division (http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/ 20201030/pbaj1929529038 10 30 2020 08 45 46.pdf, or, upon request, from the division clerk. The procedures for requesting a hearing regarding this notification and the associated application must be in accordance with 19.15.4 NMAC. Comments and requests for hearing must be filed with the Division Clerk Florene Davidson, (505) 470-5480, 1220 South St. Francis Drive, Santa Fe, NM 87505, within 90 days of this newspaper publication date, shall be in writing, and shall state specifically the reasons why a hearing should be held, per 19.15.36.10.A NMAC.

The following are the relevant alternatives, exceptions, or waivers contemplated in the Application.

• 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC – The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.

• 19.15.36.14(A)(7)(b) NMAC – The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via

racting proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.

• 19:15.36.14(B) NMAC – The Facility proposes an exemption from developing and implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. However, the Facility will monitor the vadose zone per the Vadose Zone Manitoring Plans provided as Attachment Ref. Apparents F. of the Permit Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.

Monitoring Plan provided as Attachinent B of Application Document.

Application Document.

Chis instruments with and 10 15, 36, 14(E)(3) NMAC — The Facility proposes an for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in Cover Designs using HELP Modeling.

19.15.36, 14(G) NMAC — The Facility is proposing to not install a landfill gas and will be largely non-putrescible and are not anticipated to generate landfill election layer that will consist of a 200-mil geocomposite drainage net, in lieu of geocomposite blankets the entire area providing greater liquids collection Geocomposite have proven performance in landfill application as an equivalent #36040

67116592

00248901

SANDRA DUCHARME **NGL ENERGY** 125 LINCOLN AVE SUITE 22 **SANTA FE , NM 87501**

LEGAL NOTICE December 2, 2020

Notice of Tentative Decision to Approve NGL Application for Surface Waste Management Facility North Ranch Surface Waste Management Facility Lea County, New Mexico

On October 30, 2020, Applicant, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division of the Division's Tentative Decision to approve NGL's Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10 and 24, Township 25 South, Range 34 East NMPM, Lea County, New Mexico.

The Proposed Facility is located approximately 16 miles west of Jal, New Mexico and within Sections 9, 10 and 24 of T25S, R34E11. More specifically, travel west out of Jal on Highway 128 approximately 14 miles to Battle Axe Road (Highway 2). Follow Battle Axe Road south for approximately 4 miles and the Proposed Facility is located on the west side. The Proposed Facility is a landfill with a slurry injection well, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

The Applicant bored multiple holes at the site to depths of 165 feet and did not encounter groundwater. The depth to shallowest groundwater beneath the Proposed Facility is 175-200 feet and the total dissolved solids is 1,000 mg/L

The Division's Tentative Decision to approve the Application with conditions is a v a i l a b l e on the Division's website (http://coclimage.emnrd.state.nm.us/lmaging/FileStore/santafeenvironmental/ao/20201030/pbaj1929529038 10 30 2020 08 45 46.pdf, or, upon request, from the division clerk. The procedures for requesting a hearing regarding this notification and the associated application must be in accordance with 19.15.4 NMAC. Comments and requests for hearing must be filed with the Division Clerk Florene Davidson, (505) 470-5480, 1220 South St. Francis Drive, Santa Fe, NM 87505, within 90 days of this newspaper publication date, shall be in writing, and shall state specifically the reasons why a hearing should be held, per 19.15.36.10.A NMAC.

The following are the relevant alternatives, exceptions, or waivers contemplated

in the Application.

• 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC – The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for

alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of Appendix D of the Permit Application Document discusses this request for exemption in greater detail.

19.15.36.14(A)(7)(D) MMAC – The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.

19.15.36.14(B) NMAC – The Facility proposes an exemption from developing and implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. However, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.

19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC – The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10-7 cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for compacted clay exhibiting hydraulic conductivities of 1x10-9 or less. Hydrologic evaluation of landfill performance (HELP) modeling is provided in Appendix J of the Permit Application Document.

19.15.36.14(C)(3) and 19.15.36.14(F) NMAC – The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage

ne Permit Application Document.

- 19.15.36.14(C)(8) NMAC – Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.

- 19.15.36.14(G) NMAC – The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.

- 19.15.36.17(B)(9) NMAC – The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.

From:

Sandra DuCharme

Bcc:

"michael.sloane@state.nm.us"; "matthew.wunder@state.nm.us"; "lynn.trujillo@state.nm.us"; "jmaitland@nmda.nmsu.edu"; "james_amos@nm.blm.gov"; "psisneros@nmag.gov"; "r@rthicksconsult.com"; <u>"sric.chris@earthlink.net"; "christy.tafoya@state.nm.us"; "john.dantonio@state.nm.us"; "kathy@nmoga.org";</u> "william.fetner@state.nm.us"; "lazarus@glorietageo.com"; "jim.kinney@state.nm.us"; "cjoyner@fs.fed.us"; "bsg@garbhall.com"; "michelle.hunter@state.nm.us"; "kevin.pierard@state.nm.us"; "claudette.horn@pnm.com"; "ekendrick@montand.com"; "pam@ipanm.org"; "mic@gallegoslawfirm.net"; "paul.osullivan@rlicorp.com";

<u>"rel@dfn.com"; "rtupman@hess.com"; "jimwinchester@ipanm.org"; "marlashoats@comcast.net"</u>

"hsncpbm@leaco.net"; "jonas.armstrong@nmlegis.gov"; "conor.jorgensen@nmlegis.gov"; "robert.balch@nmt.edu";

"mblakeman@montand.com"; "dboneau@pytnetworks.net"; "lukeb@r360es.com"; "jimmyc@forl.com";

"edebrine@modrall.com"; "dale@capstoneoil.com"; "neddy@earthworksaction.org";

"tyra.feil@dugan.production.com"; "mfeldewert@hollandhart.com"; "lfieseler@nearburg.com"; "jonas@nmagriculture.org"; "dexterh@forl.com"; "patt.hennesy@rlicorp.com"; "mjoyce@pytn.net"; "dlehman@energen.com"; "smcmillan@montand.com"; "dlm@gknet.com"; "katie.nguyen@rlicorp.com"; "stan.phillips@apachecorp.com"; "itportwood@mindspring.com"; "laurawinkler@rileyexploration.com"; "jan.wooldridge@dvn.com"; "mike.bratcher@state.nm.us"; "susan.lucaskamat@state.nm.us"; Matthias Sayer

(Matthias.Sayer@nglep.com); "james.kenney@state.nm.us"

Subject:

Notice of New Mexico Oil Conservation Division Tentative Decision Regarding Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Lea County, New

Date:

Monday, November 30, 2020 8:39:00 AM

Attachments:

image002.png

North Ranch - Affected Parties Notification email.pdf

Importance:

High

Hello.

Per your request through the Energy, Minerals and Natural Resources Department, Oil Conservation Division's request to be notified on tentative decisions for applications for a Commercial Surface Waste Management Facility, please see the attached document regarding the North Ranch Surface Waste Management Facility, Sections 9 and 10, Township 25 South, Range 34 East NMPM, Lea County, New Mexico.

Thank you.



SANDRA C. DUCHARME

Paralegal **Legal Department** 125 Lincoln Ave, Suite 222 Santa Fe, NM 87501

Ofc: (505) 216-1432 | sandra.ducharme@nglep.com www.nglenergypartners.com

NOTICE: This email message and all attachments may contain legally privileged and confidential information intended solely for the use of the addressee. If you are not the intended recipient, you are hereby notified that you may not read, copy, distribute or otherwise use this message or its attachments. If you have received this message in error, please notify the sender by email and delete all copies of the message immediately.

Won-cortified letters via USPS- North Ranch



125 Lincoln Ave Suite 222 Santa Fe, NM 87501



FOREVER /

Field Supervisor US Fish and Wildlife Service 2105 Osuna Road NE Albuquerque, NM 87113-1001



125 Lincoln Ave Suite 222 Santa Fe, NM 87501







State Historic Preservation Officer 407 Galisteo, Suite 236 Santa Fe, NM 87501



125 Lincoln Ave Suite 222 Santa Fe, NM 87501



FOREVER

Or. Harry Bishara PO Box 748 Cuba, NM 87013 RE: Notice of New Mexico Oil Conservation Division Tentative Decision Regarding Application for a Commercial Surface Waste Management Facility, Permit NM1-66 North Ranch Surface Waste Management Facility, Lea County, New Mexico

To whom it may concern,

On October 30, 2020, Applicant, NGL Waste Services, LLC, located at 3773 Cherry Creek Drive Denver, Colorado 80209, received notice from the New Mexico Oil Conservation Division (NMOCD) of the Division's *Tentative Decision* to approve NGL's *Application for a Commercial Surface Waste Management Facility, Permit NM1-66, North Ranch Surface Waste Management Facility, Sections 9, 10, and 24 Township 25 South, Range 34 East NMPM, Lea County, New Mexico.* The proposed facility is a landfill, whose primary purpose will be to permanently dispose of non-hazardous solid waste generated in association with the exploration and production of oil and gas.

You have been identified as a surface owner within one-half mile of the proposed facility, interested party by the NMOCD, or an affected local, state, federal or tribal government agency. As required by 19.15.36.9.C NMAC, you are entitled to receipt of this notification of the NMOCD's proposed decision to approve with conditions our Proposed Facility Application (http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pBAJ1929437593). The following provides the notice information required by 19.15.36.9.D NMAC:

- 19.15.36.9.D(1) NMAC: Applicant's Name and Address NGL Waste Services LLC 3773 Cherry Creek Dr. Suite 1000 Denver, CO 80209
- 19.15.36.9.D(2) NMAC: Facility Location

The landfill portion of the Proposed Facility is located approximately 16 miles west of Jal, New Mexico and within Sections 9 and 10 of T25S, R34E. Specifically, travel west out of Jal on Highway 128 approximately 14 miles to Battle Axe Road (Highway 2). Follow Battle Axe Road south for approximately 4 miles and the Proposed Facility is located on the west side. The slurry injection portion of the Proposed Facility is located approximately 3.5 miles north of the landfill within Section 24 of T25S, R34E. Specifically, travel west out a Jal, New Mexico approximately 15 miles and the well facility will be located on the south side of Highway 128.

- 19.15.36.9.D(3) NMAC: Facility Type: Solid waste landfill with slurry injection well
- 19.15.36.9.D(4) NMAC: Groundwater Information

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

Depth to Shallowest Groundwater: ~175-200 feet Total Dissolved Solids: ~1,000 mg/L or less

19.15.36.9.D(5) NMAC: Decision Availability

The NMOCD's Proposed Decision to Approve with Conditions is available on the NMOCD website

(http://ocdimage.emnrd.state.nm.us/Imaging/FileStore/santafeenvironmental/ao/202010 30/pbaj1929437593 10 30 2020 09 35 29.pdf), or, upon request, from the NMOCD clerk:

Florene Davidson (505) 470-5480 1220 South St. Francis Drive Santa Fe, NM 87505

- 19.15.36.9.D(6) NMAC: Description of NMOCD Approved Alternatives, Exceptions, and Waivers:
 - o 19.15.36.13(I) and 19.15.36.17(C)(3) NMAC— The Facility proposes alternative means of migratory bird control/protection for the proposed leachate evaporation pond in lieu of netting or screening over the pond. Section 3.1.3 of **Appendix D** of the Permit Application Document discusses this request for exemption in greater detail.
 - o 19.15.36.14(A)(7)(b) NMAC The Facility request a waiver to the stabilized vegetation requirement for intermediate cover. Due to the arid climate of the Facility's location, wastes underlying the intermediate cover, and site soil types it is unlikely that vegetation will grow and establish over intermediate slopes. The Facility proposes to maintain the intermediate soil cover on temporary slopes via routine inspection and erosion repair.
 - o 19.15.36.14(B) NMAC The Facility proposes an exemption from implementing a groundwater monitoring program. Terracon conducted a subsurface investigation, boring to 165 feet, and groundwater was not encountered within 115-feet below the proposed lowest depth of the landfill. Nevertheless, the Facility will monitor the vadose zone per the Vadose Zone Monitoring Plan provided as Attachment B of Appendix E of the Permit Application Document.
 - o 19.15.36.14(C)(1) and 19.15.36.14(E)(3) NMAC The Facility proposes an alternative base layer consisting of a geosynthetic clay liner (GCL) in lieu of 2-feet of compacted clay with a hydraulic conductivity of 1x10⁻⁷ cm/s or less. GCL has a proven performance in landfill application as an equivalent replacement for compacted clay exhibiting hydraulic conductivities of 1x10⁻⁹ or less. Hydrologic evaluation of landfill performance (HELP) modeling is provided in Appendix J of the Permit Application Document..

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

- o 19.15.36.14(C)(3) and 19.15.36.14(F) NMAC The Facility proposes a leak detection layer consisting of a 200-mil double-sided geocomposite drainage net (Geocomposite) in lieu of 2-feet of soil with a hydraulic conductivity of 1x10-5 cm/s or greater with a collection piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are also provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(5) and 19.15.36.14(F) NMAC The Facility proposes a leachate collection and removal system (LCRS) consisting of a geocomposite in lieu of 2-feet of soil with a hydraulic conductivity of 1x10⁻² cm/s or greater with a collection piping network. The geocomposite blankets will act as the lateral collection component of the LCRS blanketing the entire cell floor area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels. HELP modeling and geonet compression calculations are provided in Appendix J of the Permit Application Document.
- 19.15.36.14(C)(6) NMAC The Facility proposes 2-feet of general protective cover soil with no hydraulic conductivity specification over the LCRS as geocomposite is being installed in lieu of drainage sand or rock. HELP modeling and geonet compression calculations are provided in **Appendix J** of the Permit Application Document.
- 19.15.36.14(C)(8) NMAC Due to the arid climate of The Facility's location, a 48 to 60-inch thick soil only, evapotranspiration (ET) final cover system is proposed in lieu of the prescriptive final cover. Soil testing at the facility indicates that site soils have hydraulic conductivity ranging from 6.56x10-6 to 1.1x10-7 cm/s meeting New Mexico Environmental Departments (NMED) baseline criteria for an ET cap. Appendix J of the Permit Application Document includes a HELP model performance demonstration of the proposed ET cap performed in accordance with the April 1, 1998 NMED Guidance Document for Alternative Cover Designs using HELP Modeling.
- 19.15.36.14(G) NMAC The Facility is proposing to not install a landfill gas control system. Wastes disposed at this facility will contain little to no organics and will be largely non-putrescible and are not anticipated to generate landfill gasses in quantities sufficient to warrant a landfill gas control system.
- 19.15.36.17(B)(9) NMAC The Facility proposes to install an alternative leak detection layer that will consist of a 200-mil geocomposite drainage net, in lieu of

North Ranch SWMF ■ Lea County, New Mexico November 2020 ■ Project No. 35187378

the prescriptive 2-feet of compacted soil and drainage piping network. The geocomposite blankets the entire area providing greater liquids collection coverage than a piping network and a hydraulic conductivity of up to 10 cm/s. Geocomposites have proven performance in landfill application as an equivalent replacement for drainage sands and gravels.

19.15.36.9.D(7) NMAC: The procedures for requesting a hearing regarding this notification and the associated application must be pursuant to the guidance provided in 19.15.4 NMAC. Comments and requests for hearing must be filed with the NMOCD clerk (see above) within 90 days of the newspaper publication date of December 2, 2020 Any request for hearing must be in writing and must state specifically the reason(s) why a hearing on the application should be held. The NMOCD may deny a request for hearing if it determines the person requesting the hearing lacks standing. (19.15.36.10.A NMAC).