

L'atelier D'formulation

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Greetings Mr. Romero:

I hope you can excuse my delay in the preparation and e-mail send off of the produced water pilot project notice of intent.This has been the result of electrical power outages,internet interuptions and Microsoft uploading disruptions.

As explained to you over the telephone on February 29,2025 Mrs. Rosa Romero,Bureau Chief of the New Mexico EMNRD has been made aware that the raw water results for TPHS in 3 sites of New Mexico exceed TPH screening guidelines for drinking water required by the New Mexico Environmental Department with a 1.76mg/l ratio for diesel and TPH test results for raw water of 2481 mgs/l in the Gallinas reservoir and a TPH test resultof 1.56 mg/l from a blend of citric terpenes,coconut amines and soy esters.This schematic diagram for hydrogen production also shown in Mrs. Romero's email depicted the presence of 10 mgs/lite in the water that produces the hydrogen in the electrolyzer.

The purpose of the produced water pilot project is to learn If the enviropure product treatment blended with citric terpenes,coconut amines and soy esters is capable of converting fracked water to tested drinking water.

Regards ,

Founder & President

L'atelier D' Formulation Inc

New Mexico Environment Department
Ground Water Quality Bureau

Produced Water Pilot Project
Notice of Intent to Discharge

For Department Use Only:

Agency Interest Number_____
PRD Assigned _____

1. **Name and mailing address of person or group performing research (Responsible Person):**

Carmen E Flores-Dumont
P.O.Box 371535
Cayey, Puerto Ric 00737

Work Phone:787-675-1001
Cell/Home Phone:787-382-1000
Fax:_No longer available
E mail:camily64@prtc.net

2. **Name and Position of person Completing Form:**

Carmen E. Flores-Dumont
Founder & CEO
L'Atelier D'Formulation Inc .

Work Phone: 787-675- 1001
Cell/Home Phone:787-382-1000
Fax: No longer available
E mail:camily64@prtc.net

3. **Research Focus (PWRC Research Category):**

4. **Is the proposed use of the treated produced water to be used inside or outside of the oil and gas industry? Inside the site, water is to be tested.**

5. **Does the location for testing the technology take place inside or outside of the oil and gas field? To be tested inside the oil field.**

6. **Physical location of the research site including size and boundaries of site(include, street address,township, range, section, county, distance from closest town or landmark, directions to facility.Provide as attachment . Site plan will be provided with schematic of tests when the site is selected by the NMDE**

7. **Topographic and aerial map(s) showing:**
   - **. land status and adjacent land status,**
   - **.100-year flood plain,**
   - **.dwellings and occupied establishments,**
   - **.watercourses including irrigation ditches, wetlands, lakes, karst and soils**
   - **.water wells (types) or springs**
   - **.site security**
   - **.site plan showing locations of relevant structures**

8. **List any regulatory, governmental and non-governmental agencies, including municipalities or counties that have authority on the testing location. Provide as an attachment.Former NMDE locations tested known as Tajique,the Las Vegas treatment plant and the Gallinas reservoir did not required regulations for testing. of lab reports were included in Mr.Andrew's Romero attachment**

9. **Provide a description of your signage plan for the testing site. Provide as an attachment.**

ATTACHMENT

The signage plan depends on the description of the fracking site while the testing procedure of the fracked water is described as follows:

The produced water discharged from the selected fracking site will be sampled in 8 onz glass bottles to be analyzed by a certified 2ALA lab for TPHS under the EPA protocol:8015B and the EPA protocol 8270C for PAHS plus the protocol of the tests for national secondary drinking water regulations will be observed .Raw produced water samples will be kept at 30 F degree temperature in potable refrigerators from the moment their chain of custody is prepared in site until the moment the samples at 30F temperature arrive at EQ Lab in Puerto Rico.Their chains of custody will be accounted for according to the protocols of EQ Lab.

10. **Provide a description of your site security plan, including training and site restriction methods.To**

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be determined by NMDE.

11. List of adjacent landowners and confirmation that adjacent landowners have been notified of the proposed pilot project. Provide as an attachment. Fracking site must be selected first.

12.List the source(s) of the produced water including basin of origin. Describe how the produced water will be transported to and from the site including origin and disposal locations and onsite storage safety precautionary methods. Provide as an attachment. Empty 8 glass bottles will be flewn to New Mexico for tests.

13, Provide the disposal and decommissioning plan for the expected byproducts, waste products and other potentially contaminated materials. Plan should include disposition of equipment, soils, plants and piping requiring disposal and the expected disposal locations for each. Provide as an attachment. No decomposed material will result in a significant amount and no by-products like hydrocarbons will result from testing or from the application of the treated water.

14.Describe the expected contaminants in the untreated produced water and the treated produced water (e.g contaminants being studied, known contaminants, known additives). Include estimated concentrations if known, and copies of laboratory analyses of untreated and treated produced water. Provide as an attachment.
Fracking site must be selected before the required tests are undergone.

15.Describe all components of the produced water processing, treatment, storage, secondary containment, and produced water system (e.g., pre-treatment units, above ground storage tanks, etc.). Include sizes, site layout map, closed loop processing plans, and specifications. Provide as an attachment.No pre-treatment or storage is necessary before or after testing.

16.Describe your disposal plan for all produced water, treated produced water, permeate g or brine concentrate into a SWD. Provide as an attachment.No disposal plan is necessary when hydrocarbons are broken down.

17.Describe your final closure plan after completion of the pilot project. Provide as an attachment.The final closure plan depends on the tests.

18.Estimated depth to ground water (ft):Determined by salt concentration data of the NM US Geology &

Natural Resources Dept

Direction of groundwater flow:Determined by the Source of Information:NM US Geology and Natural Resources Dept

19.Current Total Dissolved Solids Concentration in Groundwater to be determined by National Secondary Drinking water Regulations.

Signature: _____ Date: 03/19/2025

Printed name: Carmen E .Flores-Dumont_____ Title: Founder & CEO

Certification by Responsible Person

I, Carmen E.Flores-Dumont_____, hereby certify that the information and data submitted in this application are true and accurate as possible, to the best of my knowledge and professional expertise and experience.

New Mexico Environment Department
Ground Water Quality Bureau

Produced Water Pilot Project
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Aff 5645

Signed this 19 **day of** March, 2025, **upon my oath or affirmation, before a notary of the territory of Puerto Rico**

Cheril M Ocasio
My commission is for life

Please return this form to:
NMED Ground Water Quality Bureau
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

Telephone: 505-827-2900
Fax: 505-827-2965

Cheril G. Ocasio González
Puerto Rico
Abogada-Notaria

