

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION AND ENERGY
BATON ROUGE, LOUISIANA

ORDER NO. UIC 2026-01 GS

Order approving the drilling, construction, and operation of one new Class VI injection well for geologic sequestration of carbon dioxide for

RIVER PARISH SEQUESTRATION, LLC
Operator Code R1017

at the

Wildcat – South LA Lafayette Dist Field
Ascension Parish, Louisiana

* * * * *

Pursuant to power delegated under the laws of the State of Louisiana, and particularly Title 30 of the Louisiana Revised Statutes of 1950 as amended and as implemented in the rules and regulations promulgated by the Secretary in LAC 43:XVII, Subpart 6, Chapter 36 (Statewide Order No. 29-N-6) and after a public hearing held on January 29, 2026, in the Donaldsonville Courtroom West, 300 Houmas St., Donaldsonville, LA 70346 under **Docket No. UIC 2026-01** following lawful publication of notice, the Secretary issues and promulgates the following Order as necessary to carry out the laws of this State.

FINDINGS OF FACTS

THE SECRETARY FINDS AS FOLLOWS:

- 1. That River Parish Sequestration, LLC (“RPS”) of 1333 West Loop South, Suite 810, Houston, TX 77027 applied to the Department of Conservation and Energy (“C&E”), formerly Department of Natural Resources, as required by Statewide Order 29-N-6 (LAC 43:XVII.3605.C) for approval to drill, complete, and operate one new Class VI injection well for geologic sequestration of carbon dioxide located at its facility near Donaldsonville in Section 16, Township 11 South, Range 14 East, in Ascension Parish, Louisiana.
- 2. That the facility’s coordinates are 30°06'9.04" N, 91°03'45.37" W.
- 3. That the application submitted by RPS, was assigned Application No. 45054 dated February 5, 2024, was administratively complete on March 1, 2024, was technically complete on December 12, 2025, and supplied all information required by Statewide Order No. 29-N-6 (LAC 43:XVII, Subpart 6) as it pertains to Class VI injection wells.
- 4. That the new Class VI injection well (“injection well”) and its location are identified as:

<u>Well Name & Number</u>	<u>Serial Number</u>	<u>API</u>	<u>Latitude*</u>	<u>Longitude*</u>
RPN-1-INJ Well No. 001	XXXXXX	XXXXXXXXXXXX	30° 06' 9.04"	-91° 03' 45.37"

*Coordinates are listed in the NAD 27 system

- 5. That the Secretary held a public hearing in Donaldsonville, Louisiana on January 29, 2026, after giving public notice in *The Advocate*, the official journal of the State of Louisiana, and in the *Gonzales Weekly Citizen*, the official journal of Ascension Parish. C&E also provided a copy of the public notice to interested parties including the governing authority of Ascension Parish as required by LA R.S. 30:1105.
- 6. That the Secretary adequately addressed all relevant public comments presented pertaining to Application No. 45054 and provided as Exhibit A.
- 7. That the deepest underground source of drinking water (“USDW”) in the vicinity of the proposed location of the well is at a depth of approximately 590 feet below ground level (“bgl”).
- 8. That RPS conducted a search of available public records of the wells located in the area of review (“AOR”), which RPS delineated using computational modeling, and the search showed that no wells penetrated the confining zone. RPS also conducted a UAV/drone based magnetic survey to evaluate the presence of potential undocumented and abandoned oil and gas wells, and the survey resulted in no significant anomalous features that would indicate the presence of potential oil and gas wells.

9. That RPS plans to inject into the injection well for an estimated 30 years.
10. That RPS plans to inject up to an estimated 2 million metric tons of injectate per year.
11. That RPS demonstrated that the injection well is sited in an area with suitable geology according to the well siting requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3615.A).
12. That RPS will site the injection well according to the additional siting requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3615.D).
13. That RPS will construct the injection well according to the construction requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3617) so as not to pose an endangerment to USDW.
14. That RPS will adhere to the pre-operations requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3619) before being granted final approval for the operation of the injection well.
15. That RPS will operate the injection well according to the provisions of Statewide Order No. 29-N-6 (LAC 43:XVII.3621).
16. That RPS will adhere to the emergency and remedial response requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3623).
17. That RPS will meet the testing and monitoring requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3625) and any additional monitoring requirements as may be defined in this Order beyond those minimum regulatory requirements.
18. That RPS will reevaluate the AOR at a fixed frequency not to exceed five years or sooner when monitoring and operating conditions warrant as required by Statewide Order No. 29-N-6 (LAC 43:XVII.3615.B).
19. That RPS will maintain the injection well in such a manner to meet the mechanical integrity requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3627).
20. That RPS will provide timely reports and keep accurate records of the injection well operation as required by Statewide Order No. 29-N-6 (LAC 43:XVII.3629).
21. That RPS has committed to meeting the plugging and abandonment requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3631).
22. That RPS will adhere to the closure and post-closure requirements of Statewide Order No. 29-N-6 (LAC 43:XVII.3633).
23. That RPS will maintain the financial resources required by Statewide Order No. 29-N-6 (LAC 43:XVII.3609.C) that are necessary to adequately fulfill corrective action of LAC 43:XVII.3615.C, injection well plugging of LAC 43:XVII.3631, post-injection site care and site closure of LAC 43:XVII.3633, and Emergency and Remedial Response of LAC 43:XVII.3623.
24. That contingency plans to cope with all shut-ins and well failures are reasonable and sound and will be carried out when needed to prevent contamination of USDW.
25. Consistent with the requirements of Department Guidance DG-B-2025-01-A, RPS has furnished a Community Engagement Plan demonstrating its strategy for outreach, communication, and stakeholder involvement and will implement the plan as approved by C&E.
26. That the proposal of RPS to drill, complete, and operate a new Class VI injection well identified in Findings of Fact No. 4, as set forth in the application, is suitable for Class VI injection operations subject to construction, testing, monitoring, operating conditions, and limitations and/or conditions imposed by Statewide Order No. 29-N-6 or successor document and any subsequent order issued by the Secretary.
27. That to satisfy the requirements of Louisiana Constitution Article IX, §1, La R.S.30:1104.1, and Statewide Order No. 29-N-6 (LAC 43:XVII.3607.D), C&E required RPS to furnish appropriate information together with sufficient justification and supporting data, which was considered and examined in light of other information available to this Office.
28. Based on information provided by RPS in the application package, and other information available to this office, it is the conclusion of C&E that:
 - a. The potential and real adverse environmental effects have been avoided to the maximum extent

practicable;

- b. A cost benefit analysis of the environmental impact costs balanced against the social and economic benefits of the project demonstrate that the latter outweighs the former;
- c. There are no alternative activities which would offer more protection of the environment than the proposed activity without unduly curtailing nonenvironmental benefits;
- d. There are no alternative sites which would offer more protection to the environment than the proposed site without unduly curtailing nonenvironmental benefits; and
- e. There are no mitigating measures which would offer more protection to the environment than the proposed activity without unduly curtailing nonenvironmental benefits.

29. After review of available information, the site geology is suitable for geologic sequestration of carbon dioxide subject to any monitoring and operating conditions or limitations stipulated in this Order.

ORDER

NOW, THEREFORE, IT IS ORDERED:

1. Authority to Drill and Construct

- a. The proposal of RPS to drill and construct RPN-1-INJ Well No. 001, Serial Number XXXXXX, at its facility located in Section 16, Township 11 South, Range 14 East, Ascension Parish, Louisiana as set forth in the application and this Order is hereby approved subject to limitations and/or conditions imposed by this Office as may be defined in this Order.
- b. Approval to drill and construct RPN-1-INJ Well No. 001, Serial Number XXXXXX will remain in effect for a period of one year and if not begun in that time, the permit shall be null and void. The permittee may request an extension of this one-year requirement; however the Secretary shall approve the request for extenuating circumstances only.

2. Siting Criteria, Area of Review, and Corrective Action

- a. The final AOR shall be based on modeling, using data obtained during logging and testing of the well and formation as required by Statewide Order 29-N-6 (LAC 43:XVII.3619).
- b. At a fixed frequency not to exceed five years or sooner when monitoring and operating conditions warrant, RPS shall:
 - i. Reevaluate the AOR in the same manner specified in LAC 43:XVII.3615.B;
 - ii. Identify all wells in the reevaluated AOR that require corrective action in the same manner specified in LAC 43:XVII.3615.B;
 - iii. Perform corrective action on wells requiring corrective action in the reevaluated AOR in the same manner specified in LAC 43:XVII.3615.C; and
 - iv. Submit an amended AOR and corrective action plan (CAP), or demonstrate to the Secretary through monitoring data and modeling results that no change to the AOR and CAP is needed.
- c. Following each AOR reevaluation or a demonstration that no amendment to the AOR and CAP is needed, RPS shall submit a report of the resultant information to the Secretary for review and approval.
- d. Amendments to the AOR are subject to the permit modification requirements of LAC 43:XVII.3613.

3. Authority to operate RPN-1-INJ Well No. 001, Serial Number XXXXXX is subject to provisions of those applicable portions of the pre-operating requirements of Statewide Order 29-N-6 (LAC 43:XVII.3619).

4. Injection Zone, Injection Interval, and Maximum Authorized Injection Pressure

- a. The injection zone, initial and subsequent injection intervals, and maximum authorized injection pressure for the Class VI well are as indicated in the following table:

Depths (TVD ft)		Initial and Subsequent Injection Interval	Maximum Bottom-Hole Injection Pressure (PSI)
Injection Zone	Injection Interval		
4,885'-10,120'	4,885'-5,045'	Subsequent	To be determined
	6,595'-6,875'	Subsequent	To be determined
	7,465'-7,675'	Subsequent	To be determined
	8,465'-8,665'	Subsequent	To be determined
	9,025'-9,220'	Subsequent	To be determined
	9,415'-9,650'	Subsequent	To be determined
	9,950'-10,120'	Initial	To be determined

Table 1- Depths in the table are from the application narrative. Actual depths and maximum authorized parameters will be determined from RPN-1-INJ Well No. 001, Serial Number XXXXXX.

- b. Maximum authorized injection pressure for each interval shall be limited to 90 percent of the fracture pressure of the currently authorized injection formation.

c. The injection zone depths, injection interval depths, and the maximum authorized injection pressure may be revised administratively due to well completion, well recompletion, future injectivity tests, or other pertinent data. A maximum injection pressure shall be established for the subsequent injection interval of RPN-1-INJ Well No. 001 if and when the injection well is recompleted in a subsequent injection interval.
5. RPS shall submit a quarterly monitoring report to C&E using Form UIC-61 (Class VI Quarterly Report), or subsequent form. The report is due within 30 days after the end of the respective calendar quarter.
6. Annulus Pressure and Annulus Fluid Monitoring

a. RPS shall maintain a tubing-casing annulus pressure that exceeds the operating injection pressure, unless the Secretary determines that such requirement might harm the integrity of the well or endanger a USDW. The minimum tubing-casing annulus pressure maintained in the injection well shall be 200 psig. A request to operate the well at a reduced annulus pressure must be in writing and approved by the Secretary.

b. During periods of actual injection, the tubing-casing annular pressure shall be at least 50 psig greater than the well’s actual operating surface injection pressure.

c. The condition of Order Item No. 6.a. and b above, do not apply to periods of workovers, well or reservoir tests, other routine maintenance, or for time periods of less than four consecutive hours where well mechanical integrity is not determined to be lacking and timely action is taken to correct pressure fluctuations.

d. RPS shall thoroughly investigate and take timely action to address all fluctuations below the minimum annular pressure requirements, except as noted in Order Item No. 6.c. RPS shall include an attachment to the Form UIC-61 submission that details the total time duration and cause of each pressure deviation below the minimum, and the action taken to comply with the minimum annular pressure requirements.

e. RPS shall maintain a strict accounting of fluid that is added or removed from the annulus. The values shall be reported on the Class VI Quarterly Report.
7. Alarm and Automatic Shutdown Systems

a. RPS shall install, test, and maintain alarms and automatic surface shut-off valves or, at the discretion of the Secretary, down-hole shut-off systems (e.g., automatic shut-off, check valves) or, other mechanical devices that provide equivalent protection designed to actuate on exceedance of operating parameters such as injection pressure, annulus pressure differential, or any other parameter specified in this Order.

b. If a shutdown (i.e., down-hole or at the surface) is triggered or evidence of a loss of mechanical integrity is discovered, RPS must immediately investigate and identify as expeditiously as possible the cause of the shutoff or the evidence of a loss of mechanical integrity. If, upon such investigation, the well is lacking mechanical integrity, or if monitored well parameters indicate that the well may be lacking mechanical integrity, RPS must:

i. Immediately cease injection;

- ii. Take all steps reasonably necessary to determine whether there may have been a release of the injected carbon dioxide stream or formation fluids into any unauthorized zone;
 - iii. Notify the Secretary within 24 hours;
 - iv. Restore and demonstrate mechanical integrity to the satisfaction of the Secretary prior to resuming injection; and
 - v. Notify the Secretary when injection can be expected to resume.
 - c. All emergency shutdown systems shall be fail-safe. RPS shall function-test all critical systems of control and safety at least once every six months. This includes testing of alarms, test tripping of emergency shutdown valves ensuring their closure times are within design specifications, and ensuring the integrity of all electrical, pneumatic, and hydraulic circuits. Test dates and results shall be documented and be available for inspection by an agent of C&E.
8. RPS shall report to the Secretary any noncompliance which may endanger health or the environment including but not limited to those occurrences listed in a-e below. Any information pertinent to the noncompliance shall be reported by telephone at (225) 342-5515 within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances and shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the non-compliance.:
- a. Any evidence that the injected carbon dioxide stream or associated pressure front may cause an endangerment to the USDW;
 - b. Any noncompliance with a permit condition or malfunction of the injection system, which may cause fluid migration out of the injection zone or into or between USDWs;
 - c. Any triggering of a shut-off system, either downhole or at surface;
 - d. Any release of carbon dioxide to the atmosphere or biosphere indicated by any of the monitoring technologies required by Statewide Order No. 29-N-6 (LAC 43:XVII.3625) or the Testing and Monitoring Plan; and
 - e. Any failure to maintain mechanical integrity.
9. Well Mechanical Integrity and Injection Reservoir Testing Requirements After Well Construction
- a. RPS shall perform an annulus pressure test at least once every 12 months witnessed by an agent of C&E, and after performing any well remedial work.
 - b. RPS shall perform an approved test method at least once every 12 months to determine the absence of significant fluid movement.
 - c. RPS shall perform pressure fall-off testing at least every five years on each active subsurface injection interval as required by Statewide Order No. 29-N-6 (LAC 43:XVII.3625.A.6).
 - d. RPS shall perform a casing inspection log to determine the presence or absence of corrosion in the long-string casing as required by Statewide Order No. 29-N-6 (LAC 43:XVII.3627.A.4).
 - e. The Secretary may require other tests to evaluate mechanical integrity.
10. RPS shall review the Testing and Monitoring Plan at least once every five years in accordance with Statewide Order No. 29-N-6 (LAC 43:XVII.3625.A.10). Based on this review, RPS shall submit an amended Testing and Monitoring Plan or demonstrate to the Secretary that no amendment to the Testing and Monitoring Plan is needed. Amended plans or demonstrations shall be submitted to the Secretary as follows:
- a. Within one year of an AOR reevaluation;
 - b. Following any significant changes to the facility, such as addition of monitoring wells or newly permitted injection wells within the AOR, on a schedule determined by the Secretary; or
 - c. When required by the Secretary.

11. Carbon Dioxide Stream Analysis

- a. RPS shall analyze the carbon dioxide stream on a quarterly basis in order to yield data representative of its chemical and physical characteristics in accordance with Statewide Order No. 29-N-6 (LAC 43:XVII.3625.A.1). The injection stream has been identified as including the following constituents at these relative concentrations in Table 2:

99.7124%	Carbon Dioxide
0.0254%	Nitrogen
0.0206%	Water
0.2193%	Hydrogen
0.0001%	Carbon Monoxide
0.0012%	Oxygen
0.0006%	Argon
0.0005%	Sulfur Dioxide
0.0081%	Nitrogen Dioxide
0.0005%	Methane
0.0001%	Methanol

Table 2

- b. RPS shall report the maximum fluctuation in relative concentration for each constituent monthly using Form UIC-61 or subsequent form. Substantial fluctuations in relative concentrations of the injection steam constituents may result in the amendment of permit conditions by the Secretary.

12. Carbon Dioxide Plume and Pressure Front Tracking

- a. RPS shall utilize the direct and indirect methods identified in the Testing and Monitoring Plan to detect potential vertical fluid migration around the wellbore and shall notify the Secretary within 24 hours of detecting fluid migration outside the permitted injection zone.
- b. RPS shall utilize the direct and indirect methods identified in the Testing and Monitoring Plan to collect dynamic data from the injection zones including but not limited to: pressure, temperature, carbon dioxide saturation distribution, and permeability in order to calibrate the AOR model.
- c. RPS shall utilize the direct and indirect methods identified in the Testing and Monitoring Plan to track the extent of the carbon dioxide plume.

- 13. RPS shall submit the appropriate work permit request form (Form UIC-17 or successor document) to C&E for approval before well recompletion, any workover, well/formation stimulation, well cleanout, injection reservoir test, or other well maintenance.
- 14. RPS shall maintain current and up-to-date documentation of financial responsibility acceptable to C&E to fulfill the requirements of corrective action, closure (plug and abandon), post-injection site care and site closure, and emergency and remedial response as required by Statewide Order No. 29-N-6 (LAC 43:XVII.3609.C)
- 15. RPS shall allow entry into and inspection of the permitted facility by C&E personnel as prescribed in La R.S. 30:1104.
- 16. Except as to the extent supplemented by these Findings and Order, the provisions of Statewide Order No. 29-N-6 (LAC 43:XVII, Subpart 6) of C&E shall apply to the operation of the well in particular the Legal Permit Conditions of Statewide Order No. 29-N-6 (LAC 43:XVII.3609).
- 17. RPS shall refer to Statewide Order No. 29-N-7 (LAC 43:XVII.Chapter 38) or any subsequent Order or Act for regulatory fees and fee schedule associated with the operation of the Class VI Injection Well.
- 18. This Order is granted exclusively unto RPS for RPN-1-INJ Well No. 001, Serial Number XXXXXX. The decisions rendered by and through this Order shall establish no precedence on similar proposals for any other existing or future Class VI injection well, operation, or project at this or other sites under the jurisdiction of C&E.
- 19. The decision to issue this Order was preceded by a determination made on the record as a whole that the proposal to drill, construct, and operate RPN-1-INJ Well No. 001, Serial Number XXXXXX, as set forth in the application and this Order is reasonable, is justified by the particular circumstances, is consistent with the intent of applicable regulations and laws of the State of Louisiana regarding physical and environmental safety and the prevention of waste, is proposed in a way that will ensure protection of the State’s natural resources, and is consistent with protection of the health, safety, and welfare of the people.

20. This Order is subject to modification, revocation and reissuance, or termination upon receipt and review by this Office of future mechanical integrity test data or any information or data that would show the conditions by which this Order was issued are no longer valid.
21. Findings of Facts Nos. 3, 4, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, and 28 are hereby approved and expressly ordered.
22. This Order shall be effective on and after **Order Date**, and shall be valid for the operating life of the facility and the post-injection site care period. The Secretary shall review this Order at least once every five years to determine whether it should be modified, revoked and reissued, terminated, or a minor modification made.

BY ORDER OF:

DUSTIN H. DAVIDSON
LOUISIANA DEPARTMENT OF CONSERVATION AND ENERGY