



REGION 6
1201 Elm St., Suite 500
DALLAS, TEXAS 75270

NPDES Permit No GM0000008

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. §1251 et. seq; the "Act"),

Natural Ocean Well Co.
Natural Ocean Well Boat Testing
4900 Overland Ave. #131
Culver City, California 90230

is authorized to discharge from a vessel to Outfall 001 and 002, to various test locations located in the Outer Continental Shelf of the Gulf of Mexico, to the Gulf of Mexico, from the locations listed in Table 1 on the next page.

in accordance with this cover page and the effluent limitations, monitoring requirements, and other conditions set forth in Part I, Part II, and Part III hereof.

This permit shall become effective on June 1, 2023

This permit and the authorization to discharge shall expire at midnight, May 31, 2028

Issued on May 31, 2023

(for) Charles W. Maguire
Director
Water Division

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Test Location No.	Latitude	Longitude	Test Location No.	Latitude	Longitude	Test Location No.	Latitude	Longitude
1	27° 58' 12.0" N	90° 03' 14.4" W	35	27° 50' 56.4" N	91° 00' 32.4" W	69	27° 42' 57.6" N	91° 49' 04.8" W
2	27° 58' 33.6" N	90° 02' 56.4" W	36	27° 50' 31.2" N	91° 02' 31.2" W	70	27° 42' 50.4" N	91° 48' 39.6" W
3	27° 58' 51.6" N	90° 02' 38.4" W	37	27° 50' 31.2" N	91° 01' 58.8" W	71	27° 42' 54.0" N	91° 50' 34.8" W
4	27° 59' 13.2" N	90° 02' 13.2" W	38	27° 50' 31.2" N	91° 01' 30.0" W	72	27° 42' 43.2" N	91° 50' 09.6" W
5	27° 59' 31.2" N	90° 01' 55.2" W	39	27° 50' 31.2" N	91° 01' 01.2" W	73	27° 42' 36.0" N	91° 49' 40.8" W
6	27° 58' 01.2" N	90° 02' 52.8" W	40	27° 50' 27.6" N	91° 00' 32.4" W	74	27° 42' 28.8" N	91° 49' 12.0" W
7	27° 58' 19.2" N	90° 02' 31.2" W	41	27° 50' 06.0" N	91° 02' 31.2" W	75	27° 42' 21.6" N	91° 48' 43.2" W
8	27° 58' 37.2" N	90° 02' 13.2" W	42	27° 50' 06.0" N	91° 01' 58.8" W	76	27° 29' 02.4" N	93° 15' 57.6" W
9	27° 58' 58.8" N	90° 01' 55.2" W	43	27° 50' 06.0" N	91° 01' 30.0" W	77	27° 28' 51.6" N	93° 15' 32.4" W
10	27° 59' 16.8" N	90° 01' 33.6" W	44	27° 50' 02.4" N	91° 01' 04.8" W	78	27° 28' 44.4" N	93° 15' 03.6" W
11	27° 57' 46.8" N	90° 02' 27.6" W	45	27° 50' 02.4" N	91° 00' 36.0" W	79	27° 28' 30.0" N	93° 14' 42.0" W
12	27° 58' 08.4" N	90° 02' 13.2" W	46	27° 49' 40.8" N	91° 02' 31.2" W	80	27° 28' 15.6" N	93° 14' 13.2" W
13	27° 58' 26.4" N	90° 01' 51.6" W	47	27° 49' 37.2" N	91° 02' 02.4" W	81	27° 28' 40.8" N	93° 16' 12.0" W
14	27° 58' 44.4" N	90° 01' 30.0" W	48	27° 49' 37.2" N	91° 01' 33.6" W	82	27° 28' 30.0" N	93° 15' 43.2" W
15	27° 59' 02.4" N	90° 01' 12.0" W	49	27° 49' 37.2" N	91° 01' 04.8" W	83	27° 28' 19.2" N	93° 15' 18.0" W
16	27° 57' 28.8" N	90° 02' 09.6" W	50	27° 49' 33.6" N	91° 00' 36.0" W	84	27° 28' 04.8" N	93° 14' 49.2" W
17	27° 57' 50.4" N	90° 01' 51.6" W	51	27° 44' 31.2" N	91° 50' 20.4" W	85	27° 27' 54.0" N	93° 14' 24.0" W
18	27° 58' 12.0" N	90° 01' 30.0" W	52	27° 44' 24.0" N	91° 49' 51.6" W	86	27° 28' 19.2" N	93° 16' 22.8" W
19	27° 58' 30.0" N	90° 01' 08.4" W	53	27° 44' 16.8" N	91° 49' 19.2" W	87	27° 28' 04.8" N	93° 15' 57.6" W
20	27° 58' 48.0" N	90° 00' 50.4" W	54	27° 44' 13.2" N	91° 48' 54.0" W	88	27° 27' 54.0" N	93° 15' 32.4" W
21	27° 57' 14.4" N	90° 01' 48.0" W	55	27° 44' 09.6" N	91° 48' 25.2" W	89	27° 27' 39.6" N	93° 15' 07.2" W
22	27° 57' 36.0" N	90° 01' 30.0" W	56	27° 44' 06.0" N	91° 50' 24.0" W	90	27° 27' 28.8" N	93° 14' 38.4" W
23	27° 57' 54.0" N	90° 01' 08.4" W	57	27° 43' 58.8" N	91° 49' 55.2" W	91	27° 27' 54.0" N	93° 16' 37.2" W
24	27° 58' 12.0" N	90° 00' 46.8" W	58	27° 43' 51.6" N	91° 49' 22.8" W	92	27° 27' 43.2" N	93° 16' 12.0" W
25	27° 58' 30.0" N	90° 00' 28.8" W	59	27° 43' 48.0" N	91° 48' 57.6" W	93	27° 27' 28.8" N	93° 15' 46.8" W
26	27° 51' 25.2" N	91° 02' 24.0" W	60	27° 43' 44.4" N	91° 48' 28.8" W	94	27° 27' 18.0" N	93° 15' 18.0" W
27	27° 51' 21.6" N	91° 01' 55.2" W	61	27° 43' 40.8" N	91° 50' 27.6" W	95	27° 27' 07.2" N	93° 14' 56.4" W
28	27° 51' 21.6" N	91° 01' 26.4" W	62	27° 43' 33.6" N	91° 49' 58.8" W	96	27° 27' 32.4" N	93° 16' 55.2" W
29	27° 51' 21.6" N	91° 01' 01.2" W	63	27° 43' 30.0" N	91° 49' 26.4" W	97	27° 27' 18.0" N	93° 16' 26.4" W
30	27° 51' 21.6" N	91° 00' 32.4" W	64	27° 43' 22.8" N	91° 49' 01.2" W	98	27° 27' 07.2" N	93° 16' 01.2" W
31	27° 51' 00.0" N	91° 02' 27.6" W	65	27° 43' 15.6" N	91° 48' 36.0" W	99	27° 26' 56.4" N	93° 15' 36.0" W
32	27° 51' 00.0" N	91° 01' 55.2" W	66	27° 43' 19.2" N	91° 50' 31.2" W	100	27° 26' 42.0" N	93° 15' 07.2" W
33	27° 51' 00.0" N	91° 01' 30.0" W	67	27° 43' 08.4" N	91° 50' 02.4" W			
34	27° 50' 56.4" N	91° 01' 01.2" W	68	27° 43' 01.2" N	91° 49' 33.6" W			

PART I – REQUIREMENTS FOR NPDES PERMITS

SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS

1. OUTFALL 001: FINAL Effluent Limits

During the period beginning on the effective date of the permit and lasting through the expiration date of the permit, the permittee is authorized to discharge from freshwater from Outfall 001). Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS 30-Day Average	DISCHARGE LIMITATIONS 7-Day Average	Monthly Average Concentration Limit	Daily Maximum Concentration Limit	Monitoring Frequency	Sample Type
Flow	N/A	Report GPD	N/A	Report GPD	Daily (*1)	Totalizing Meter (*2)
Influent Flow (*3, 4)	N/A	Report GPD	N/A	Report GPD	Daily (*1)	Totalizing Meter (*2)
Salinity	N/A	Report ppt	N/A	Report ppt(*7)	Daily (*1)	Salinity Meter
Free Oil	N/A	N/A	N/A	No Discharge (*5)	Daily (*6, *1)	Observation

2. OUTFALL 002: FINAL Effluent Limits

During the period beginning the effective date of the permit and lasting through the expiration date of the permit (unless otherwise noted), the permittee is authorized to brine from Outfall 002. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS 30-Day Average	DISCHARGE LIMITATIONS 7-Day Average	Monthly Average Concentration Limit	Daily Maximum Concentration Limit	Monitoring Frequency	Sample Type
Flow	N/A	Report GPD	N/A	250,000 GPD	Daily (*1)	Totalizing Meter (*2)
Salinity	N/A	Report ppt (*7)	N/A	70 ppt(*7)	Daily (*1)	Salinity Meter

Footnotes:

- *1. When discharging.
- *2. "Estimate" can be used if flow meter is not available to measure inflow. Estimate Flow measurements shall not be subject to the accuracy provisions established at Part III.C.6. The flow value may be estimated using best engineering judgment.
- *3. Influent flow for Reverse Osmosis unit.
- *4. Influent intake structures must minimize entrainment or impingement of fish.
- *5. As determined by the presence of a film or sheen on or a discoloration of the surface of the receiving water (visual sheen) See Part II.
- *6. When discharging on the surface of the receiving water.
- *7. ppt - parts per thousand.

B. PROHIBITIONS – Outfall 001 & 002

Discharge of chemical additives are prohibited. Discharges must not cause substantial and persistent changes from ambient conditions of turbidity. This permit prohibits discharges in areas of biological concern, including marine sanctuaries. No free oil shall be discharged.

C. SCHEDULE OF COMPLIANCE

NONE

D. MONITORING AND REPORTING (MINOR DISCHARGERS)

Monitoring results must be reported to EPA on either the electronic or paper Discharge Monitoring Report (DMR) approved formats. Monitoring results can be submitted electronically in lieu of the paper DMR Form. To submit electronically, access the NetDMR website at www.epa.gov/netdmr and contact the R6NetDMR@epa.gov in-box for further instructions. Until you are approved for Net DMR, you must report on the Discharge Monitoring Report (DMR) Form EPA No. 3320-1 in accordance with the "General Instructions" provided on the form. No additional copies are needed if reporting electronically, however when submitting paper form EPA No. 3320-1, the permittee shall submit the original DMR signed and certified as required by Part III.D.11 and all other reports required by Part III.D. to the EPA and other agencies as required. (See Part III.D.IV of the permit.) Monitoring information shall be submitted quarterly. Each quarterly submittal shall include separate forms for each month of the reporting period.

1. Reporting periods shall end on the last day of the months March, June, September, and December.
2. The permittee is required to submit regular quarterly reports as described above postmarked no later than the last day of the month following each reporting period.

3. NO DISCHARGE REPORTING

If there is no discharge event at this outfall during the sampling month, place an "X" in the NO DISCHARGE box located in the upper right corner of the preprinted Discharge Monitoring Report.

PART II - OTHER CONDITIONS**A. MINIMUM QUANTIFICATION LEVEL (MQL)**

See list of MQL's at Appendix A of Part II below. For pollutants listed on Appendix A of Part II below with MQL's, analyses must be performed to the listed MQL. If any individual analytical test result is less than the MQL listed, a value of zero (0) may be used for that pollutant result for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

In addition, any additional pollutant sampling for purposes of this permit, including renewal applications or any other reporting, shall be tested to the MQL shown on the attached Appendix A of Part II. Results of analyses that are less than the listed MQL may be reported as "nondetect" (ND).

B. PERMIT MODIFICATION AND REOPENER

In accordance with 40 CFR Part 122.44(d), the permit may be reopened and modified during the life of the permit if applicable water quality standards are established and/or remanded.

In accordance with 40 CFR Part 122.62(s)(2), the permit may be reopened and modified if new information is received that was not available at the time of permit issuance that would have justified the application of different permit conditions at the time of permit issuance. Permit modifications shall reflect the results of any of these actions and shall follow regulations listed at 40 CFR Part 124.5.

C. 24-HOUR ORAL REPORTING: DAILY MAXIMUM LIMITATION VIOLATIONS

Under the provisions of Part III.D.7.b.(3) of this permit, violations of daily maximum limitations for the following pollutants shall be reported orally to EPA Region 6, Compliance and Assurance Division, Water Enforcement Branch (6EN-W), Dallas, Texas, within 24 hours from the time the permittee becomes aware of the violation followed by a written report in five days.

D. FREE OIL MONITORING - VISUAL SHEEN

The visual sheen test is used to detect free oil by observing the surface of the receiving water for the presence of sheen while discharging. The operator must conduct a visual sheen test only at times when sheen could be observed and the facility is manned. This restriction eliminates observations when atmospheric or surface conditions prohibit the observer from detecting a sheen (e.g., overcast skies, rough seas, rain etc.). The observer must be positioned on the rig or platform, relative to both the discharge point and current flow at the time of discharge, such that the observer can detect sheen should it occur downstream from the discharge. For dischargers that have been occurring for at least 15 minutes previously, observations may be made any time thereafter. For dischargers of less than 15 minutes duration, observations must be made during both discharge and at 5 minutes after discharge has ceased.