



Agenda Report

2725 Judge Fran Jamieson
Way
Viera, FL 32940

New Business - Development and Environmental Services Group

J.2.

12/2/2025

Subject:

Written Request for Public Meeting regarding Draft Permit FLOA00007-002-IW7A submitted by Blue Origin, LLC to the Florida Department of Environmental Protection (FDEP) for the discharge of 0.49 Million Gallons per Day (MGD) of Process and Non-Process Industrial Wastewater to the Indian River Lagoon.

Fiscal Impact:

Not Yet Determined

Dept/Office:

Natural Resources Management Department

Requested Action:

It is requested that the Board approve and authorize the Natural Resources Management Department, on behalf of the Board of County Commissioners to submit Written Comments and a Request for Public Meeting regarding Draft Permit FLOA00007-002-IW7A submitted by Blue Origin, LLC to the Florida Department of Environmental Protection (FDEP) for the discharge of 0.49 Million Gallons per Day (MGD) of Process and Non-Process Industrial Wastewater to the Indian River Lagoon.

Summary Explanation and Background:

On November 18, 2025, a Public Notice was published in Florida Today regarding FDEP draft permit FLOA00007-002-IW7A for a proposed project submitted by Blue Origin, LLC to operate a 0.49 million gallons per day (MGD) industrial wastewater treatment facility which would discharge 0.467 MGD of previously permitted process wastewater and 0.015 MGD of new non-process wastewater to a large onsite stormwater pond (402,981 square feet surface area) then to the Indian River via the Ransom Road Ditch. The facility is located at latitude 28° 30' 35.5" N, longitude 80° 40' 32.2" W, 8082 Space Commerce Way, Merritt Island, Florida 32953-8703. FDEP has permitting jurisdiction under Chapter 403, Florida Statutes (FS), and applicable rules of the Florida Administrative Code (FAC). Based upon the application and supplemental information, FDEP determined that the applicant has provided reasonable assurance that the above describe wastewater project complies with the applicable provisions of Chapter 403, FS and Title 62 of the FAC.

Written comments or a request for public meeting must be received within 30 days of publication of the public notice or by December 18, 2025. If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, FDEP may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of public notice publication even if a public meeting is requested.

Clerk to the Board Instructions:

None.



Kimberly Powell, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

Telephone: (321) 637-2001
Fax: (321) 264-6972
Kimberly.Powell@brevardclerk.us

December 3, 2025

M E M O R A N D U M

TO: Virginia Barker, Natural Resources Management Director Attn: Amanda Elmore

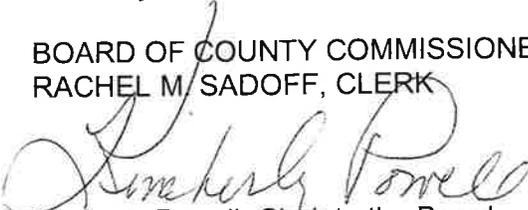
RE: Item J.2., Written Request for Public Meeting Regarding Draft Permit FL0A00007-002-IW7A Submitted by Blue Origin, LLC to the Florida Department of Environmental Protection (FDEP) for the Discharge of 0.49 Million Gallons Per Day (MGD) of Process and Non-Process Industrial Wastewater to the Indian River Lagoon (IRL)

The Board of County Commissioners, in regular session on December 2, 2025, approved and authorized you, on behalf of the Board, to submit a letter, with written comments to FDEP, including the public comments from this meeting, requesting a Public Hearing with FDEP regarding the Draft Permit (FL0A00007-002-IW7A), submitted by Blue Origin, LLC, for the discharge of 0.49 MGD of process and non-process industrial wastewater to the IRL, with copies going to the Governor's Office and to the Legislative Delegation; authorized staff to contact Eastern Florida State College, requesting use of the Simpkins Center in Cocoa as the location for the Public Hearing; and directed staff to place the public notice on the County's Facebook page.

Your continued cooperation is always appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS
RACHEL M. SADOFF, CLERK


Kimberly Powell, Clerk to the Board

Public Notices

Public Notices

Notice of Draft Permit

STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit to Blue Origin, LLC, 8082 Space Commerce Way, Merritt Island, Florida 32953 for the Blue Origin OLS Manufacturing Complex. This permit authorizes the permittee to operate a 0.49 million gallons per day (MGD) industrial wastewater treatment facility which would discharge 0.467 MGD of process wastewater and discharge 0.015 MGD of non-process wastewater to a large onsite stormwater pond (402,981 square feet surface area) then to the Indian River. The facility is located at latitude 28° 30' 35.5" N, longitude 80° 40' 32.2" W on 8082 Space Commerce Way, Merritt Island, Florida 32953-8703 in Brevard County. The Department has assigned permit file number FLOA00007-002-IW7A to the proposed project.

The permit application file and supporting data are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Central District Office, 3319 Maguire Blvd, Suite 232, Orlando, Florida 32803-3767, at phone number (407)897-4100.

NOTICE OF RIGHTS

The Department intends to issue the permit unless as a result of public comment appropriate changes are made.

Written Comments or Request for Public Meeting

Any interested person may submit written comments on the Department's proposed permitting decision or may submit a written request for a public meeting to Randall Cunningham, 3319 Maguire Blvd, Suite 232, Orlando, Florida 32803-3767, in accordance with Rule 62-620.555, F.A.C. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Central District Office.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled, including a statement of the nature of the issues proposed to be raised at the meeting. If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

Time Period for Submitting Written Comments or Requesting a Public Meeting

Comments submitted by any persons other than the applicant, and other than those entitled to notice under Rule 62-620.550, F.A.C., must be received within 30 days of publication of the public notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, F.A.C.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.

November 18 2025
 LSAR0408768



FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767

Ron DeSantis
Governor

Jay Collins
Lt. Governor

Alexis A. Lambert
Secretary

October 27, 2025

In the Matter of an
Application for Permit by:

Blue Origin, LLC
Cory Collins, PE, Facilities Engineering,
Programming & Integration
Merritt Island, Florida 32953-8703
CCollins@blueorigin.com

File Number FL0A00007-002-IW7A
Brevard County

Blue Origin OLS Manufacturing
Complex

NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Blue Origin, LLC, applied on January 16, 2025, to the Department of Environmental Protection for a permit to operate a 0.49 million gallons per day (MGD) industrial wastewater treatment facility which would discharge 0.467 MGD of process wastewater and discharge 0.015 MGD of non-process wastewater to a large onsite stormwater pond (402,981 square feet surface area) then to the Indian River. The facility is located at latitude 28° 30' 35.5" N, longitude 80° 40' 32.2" W on 8082 Space Commerce Way, Merritt Island, Florida 32953-8703 in Brevard County.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The Department has determined that a wastewater permit is required for the proposed work.

Based upon the application and supplemental information, the Department has determined that the applicant has provided reasonable assurance that the above describe wastewater project complies with the applicable provisions of Chapter 403, F.S., and Title 62 of the F.A.C.

Under Section 403.815, F.S., and Rule 62-620.550, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Draft Permit and Request for Public Comment. The notice must be published one time only within 30 days of receipt of this draft permit in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S.,

in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant must provide proof of publication to the Department's Central District Office, 3319 Maguire Blvd, Suite 232, Orlando, Florida 32803-3767 within two weeks of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

NOTICE OF RIGHTS

The Department intends to issue the permit with the attached conditions unless as a result of public comment appropriate changes are made.

Written Comments or Request for Public Meeting

Any interested person may submit written comments on the Department's proposed permitting decision or may submit a written request for a public meeting to Randall Cunningham, 3319 Maguire Blvd, Suite 232, Orlando, Florida 32803-3767, in accordance with Rule 62-620.555, F.A.C. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Central District Office.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled, including a statement of the nature of the issues proposed to be raised at the meeting.

If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

Time Period for Submitting Written Comments or Requesting a Public Meeting

Comments from the permit applicant and persons entitled to notice under Rule 62-620.550, F.A.C., must be received within 30 days of receipt of this draft permit. Comments submitted by other persons must be received within 30 days of publication of the public notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, F.A.C.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting.

Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.

EXECUTION AND CLERKING

Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Reggie Phillips
Program Administrator
Permitting and Waste Cleanup Program

Attachment(s):

1. Draft Permit No. FL0A00007
2. Notice of Draft Permit for newspaper publication

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Florida Fish and Wildlife Conservation Commission,
ConservationPlanningServices@myfwc.com
EPA Region 4, r4npdespermits@epa.gov
National Marine Fisheries Service, Notice only: 263 13th Ave S, St. Petersburg, FL 33701
Florida Department of Economic Opportunity, DCPPermits@deo.myflorida.com
U.S. Fish & Wildlife Service, Charles Underwood, Public Affairs, fw4flesregs@fws.gov
U.S. Army Corps of Engineers, corpsjaxreg-nc@usace.army.mil
David Ludder, Notice only: 9150 McDougal Ct., Tallahassee, FL 32312
Chris Stirrat, Environmental Safety Consultants, Inc., escinc@verizon.net
Ana Alvarez, Blue Origins, LLC, aalvarez@blueorigin.com
FDEP: Randall Cunningham, Jason Seyfert, Reggie Phillips, David Smicherko

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

October 27, 2025

Date



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

Jay Collins
Lt. Governor

Alexis A. Lambert
Secretary

Central District Office
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767

STATE OF FLORIDA INDUSTRIAL WASTEWATER FACILITY PERMIT

PERMITTEE:
Blue Origin, LLC

PERMIT NUMBER: FLOA00007 MI
FILE NUMBER: FLOA00007-002-IW7A
ISSUANCE DATE: TBD
EFFECTIVE DATE: TBD
EXPIRATION DATE: TBD

RESPONSIBLE OFFICIAL:
Cory Collins, PE, Facilities Engineering, Programming & Integration
8082 Space Commerce Way
Merritt Island, Florida 32953- 8703
(321) 848-5680
CCollins@blueorigin.com

FACILITY:

Blue Origin OLS Manufacturing Complex
8082 Space Commerce Way
Merritt Island, FL 32953-8703
Brevard County
Latitude: 28°30' 35.5" N Longitude: 80°40' 32.2" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above-named permittee is hereby authorized to construct and operate the facilities in accordance with the documents attached hereto and specifically described as follows:

FACILITY DESCRIPTION:

The Blue Origin OLS Manufacturing Complex currently operates facilities with an industrial wastewater discharge. The facilities dispense conditioned water to the North Campus stormwater management system which discharges to surface waters. The water, which contains wastewater related to industrial activities, is discharged to surface water to alleviate unnecessary burden on the sanitary sewer serving the facilities.

WASTEWATER TREATMENT:

There is a grouping of operations that receives filtered water supply from the Water Room at Building D. The testing of launch vehicle components at Building D (TCAT) includes adjacent, support operations at Building B (Precision Clean Facility) and Building G (2CAT). The Water Room at Building D receives soft water supply from Building A (Soft Water Filters), processes the soft water through a set of Carbon Filters and purifies the water through a Reverse Osmosis Filter. The product R/O water is pumped from a product storage tank at the Water Room to points of use inside Building D, at Building B and Building G. Clean, filtered water used for tank proofing and rinsing is transferred from Building D and Building G operations to the discharge manifold for transfer to the storm sewer system. The Building D discharge is drained to the discharge manifold under head conditions driven by the elevated tank release. A dedicated wet well and pump system is utilized for the return from Building G to the discharge manifold at Building D. There is no return associated with operations at Building B. The current project proposes to construct and operate a continuous flow meter and integrated sampler device at the Building D discharge manifold. The flow meter would record continuously any flow conditions and shall provide a signal to allow the sampler device (IW-1) to collect flow proportional samples of the discharge to stormwater pond from all sources. A separate, but more significant flow contribution to the discharge manifold at Building D shall be the periodic carbon filter rinse, storage tank dump and supply line purge. The water released from the carbon filter units, the storage tanks and the lines is a preventative maintenance measure made to prevent the occurrence of bacteriological growth in the filters, tanks and lines. These operations will discharge at IW-1 to the onsite retention pond then eventually to the surface water

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outfall to the Ransom Road Ditch. The closed loop, circulating water in the evaporative cooling towers at the Building A Chiller Plant are required to blowdown a portion of the circulation volume to affect a reduction in the buildup of solids particles (hardness) in the stream as evaporation removes water from the stream. The blowdown which contains an accumulation of the mineral content contained in the potable water source is proposed for surface water disposal in lieu of burden to the sanitary sewer system. This operation will discharge at IW-2 to the onsite retention pond then eventually to the surface water outfall to the Ransom Road Ditch.

REUSE OR DISPOSAL:

Surface Water Discharge D-001: An existing 0.467 MGD daily maximum flow permitted discharge to a large onsite retention pond (402,981 square feet surface area) provides for dilution of the conditioned water before ultimately discharges the Ransom Road Ditch, Class II Waters, (WBID# 2931d1) which is approximately 48 feet in length and discharges at a depth of approximately 0 feet. The point of discharge is located approximately at latitude 28°30' 42" N, longitude 80°40' 51" W.

Surface Water Discharge D-002: A new 0.015 MGD daily maximum flow permitted discharge to a large onsite retention pond (402,981 square feet surface area) provides for dilution of the conditioned water before ultimately discharges the Ransom Road Ditch, Class II Waters, (WBID# 2931d1) which is approximately 4 feet in length and discharges at a depth of approximately 0 feet. The point of discharge is located approximately at latitude 28°30' 36" N, longitude 80°40' 42" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in this Cover Sheet and Part I through Part IX on pages 1 through 16 of this permit.

PERMITTEE: Blue Origin, LLC
 FACILITY: Blue Origin OLS Manufacturing Complex

PERMIT NUMBER: FLOA00007 MI
 EXPIRATION DATE: TBD

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge Process Wastewater from Outfall D-001 to Pond B. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.3.:

| Parameter | Units | Max. /Min. | Effluent Limitations | | Monitoring Requirements | | | Notes |
|--------------------------|-------|------------|----------------------|------------------------------------|-------------------------|-------------|------------------------|-----------|
| | | | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | |
| Flow | MGD | Max Max | 0.49 Report | Daily Maximum Annual Average | Daily, when discharging | Meter | EFF-001 | |
| pH | s.u. | Min Max | 6 9 | Monthly Average Monthly Average | Daily, when discharging | Grab | EFF-001 | |
| Oil and Grease | mg/L | Max | 5.0 | Daily Maximum | Daily, when discharging | 8-hr FPC | EFF-001 | |
| Nitrogen, Total | mg/L | Max | 3.0 | Annual Average | Quarterly | 8-hr FPC | EFF-001 | See I.A.4 |
| Phosphorus, Total (as P) | mg/L | Max | 1.0 | Annual Average | Quarterly | 8-hr FPC | EFF-001 | See I.A.4 |

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|------------------------|---|
| EFF-001 | sampling point [W-1 convergent point for all streams prior to discharge to retention pond |

3. The discharge shall not contain components that, alone or in combination with other substances or in combination with other components of the discharge:
 - a. Settle to form putrescent deposits or otherwise create a nuisance; or
 - b. Float as debris, scum, oil, or other matter in such amounts as to form nuisances; or
 - c. Produce color, odor, taste, turbidity, or other conditions in such degree as to create a nuisance; or
 - d. Are acutely toxic; or
 - e. Are present in concentrations which are carcinogenic, mutagenic, or teratogenic to human beings or to significant, locally occurring, wildlife or aquatic species, unless specific standards are established for such components in subsection 62-302.500(2) or Rule 62-302.530, F.A.C.; or
 - f. Pose a serious danger to the public health, safety, or welfare.

[62-302.500(1)(a)1-6]

4. The Department has issued Secretarial Order DEP 25-1053 which adopted the updated North Indian River Lagoon BMAP, which establishes limits for Total Nitrogen and Total Phosphorus for existing industrial wastewater facilities. [Final Order 25-1053].

PERMITTEE: Blue Origin, LLC
 FACILITY: Blue Origin OLS Manufacturing Complex

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5. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge Non-Process Wastewater from Outfall D-002 to Pond B. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.3.:

| Parameter | Units | Max. /Min. | Effluent Limitations | | Monitoring Requirements | | | Notes |
|--------------------------|-------|------------|----------------------|--------------------------------|-------------------------|-------------|------------------------|-----------|
| | | | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | |
| Flow | MGD | Max Max | 0.015 Report | Daily Maximum Annual Average | Daily, when discharging | Meter | EFF-002 | |
| pH | s.u. | Min Max | 6 9 | Daily Minimum Daily Maximum | Daily, when discharging | 8-hr FPC | EFF-002 | |
| Oil and Grease | mg/L | Max | 5.0 | Daily Maximum | Daily, when discharging | 8-hr FPC | EFF-002 | |
| Nitrogen, Total | mg/L | Max | 3.0 | Annual Average | Quarterly | 8-hr FPC | EFF-002 | See I.A.8 |
| Phosphorus, Total (as P) | mg/L | Max | 1.0 | Annual Average | Quarterly | 8-hr FPC | EFF-002 | See I.A.8 |

6. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.5. and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|------------------------|---|
| EFF-002 | sampling point IW-2 for cooling towers prior to discharge to retention pond |

7. The discharge shall not contain components that, alone or in combination with other substances or in combination with other components of the discharge:
- Settle to form putrescent deposits or otherwise create a nuisance; or
 - Float as debris, scum, oil, or other matter in such amounts as to form nuisances; or
 - Produce color, odor, taste, turbidity, or other conditions in such degree as to create a nuisance; or
 - Are acutely toxic; or
 - Are present in concentrations which are carcinogenic, mutagenic, or teratogenic to human beings or to significant, locally occurring, wildlife or aquatic species, unless specific standards are established for such components in subsection 62-302.500(2) or Rule 62-302.530, F.A.C.; or
 - Pose a serious danger to the public health, safety, or welfare.

[62-302.500(1)(a)1-6]

8. The Department has issued Secretarial Order DEP 25-1053 which adopted the updated North Indian River Lagoon BMAP, which establishes limits for Total Nitrogen and Total Phosphorus for existing industrial wastewater facilities. [Final Order 25-1053].

B. Other Limitations and Monitoring and Reporting Requirements

1. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-600, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-

PERMITTEE: Blue Origin, LLC
 FACILITY: Blue Origin OLS Manufacturing Complex

PERMIT NUMBER: FLOA00007 MI
 EXPIRATION DATE: TBD

4 MDL/PQL Table (November 10, 2020)" is available at <https://floridadep.gov/dear/quality-assurance/content/quality-assurance-resources>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:

- a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
- b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
- c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

2. The permittee shall provide safe access points for obtaining representative influent and effluent samples which are required by this permit. [62-620.320(6)]
3. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

| REPORT Type on DMR | Monitoring Period | Submit by |
|--------------------|--|---|
| Monthly | first day of month - last day of month | 28 th day of following month |
| Quarterly | January 1 - March 31 | April 28 |
| | April 1 - June 30 | July 28 |
| | July 1 - September 30 | October 28 |
| | October 1 - December 31 | January 28 |
| Semiannual | January 1 - June 30 | July 28 |
| | July 1 - December 31 | January 28 |
| Annual | January 1 - December 31 | January 28 |

The permittee shall use the electronic DMR system approved by the Department (EzDMR) and shall electronically submit the completed DMR forms using the DEP Business Portal at <https://www.fldepportal.com/go/>, unless the permittee has a waiver from the Department in accordance with 40 CFR 127.15. Reports shall be submitted to the Department by the twenty-eighth (28th) of the month following the month of operation.

PERMITTEE: Blue Origin, LLC
FACILITY: Blue Origin OLS Manufacturing Complex

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[62-620.610(18)]

4. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Central District Office at the address specified below:

Electronic submittal is preferred, by sending to DEP_CD@FloridaDep.gov

Florida Department of Environmental Protection
Central District
3319 Maguire Blvd
Suite 232
Orlando, Florida 32803-3767

Phone Number - (407) 897-4100 (All e-mails (electronic communication) shall be followed by original copies.)

[62-620.305]

5. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*
6. If there is no discharge from the facility on a day when the facility would normally sample, the sample shall be collected on the day of the next discharge. *[62-620.320(6)]*

II. SLUDGE MANAGEMENT REQUIREMENTS

1. Section II is not applicable to this facility

III. GROUND WATER REQUIREMENTS

1. Section III is not applicable to this facility.

IV. ADDITIONAL LAND APPLICATION REQUIREMENTS

1. Section IV is not applicable to this facility.

V. OPERATION AND MAINTENANCE REQUIREMENTS

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a person who is qualified by formal training and/or practical experience in the field of water pollution control. *[62-620.320(6)]*
2. The permittee shall maintain the following records and make them available for inspection at the following address: on the site of the permitted facility.
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. A copy of the current permit;

PERMITTEE: Blue Origin, LLC
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- e. A copy of any required record drawings; and
- f. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules.

[62-620.350]

VI. SCHEDULES

1. Prior to placing the new facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Wastewater Facilities or Activities. *[62-620.410(7)]*
2. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-620, F.A.C., are available at the location specified on the form. *[62-620.410(6)]*
3. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
 - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
 - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1)-(4)]

VII. BEST MANAGEMENT PRACTICES/STORMWATER POLLUTION PREVENTION PLANS

1. In accordance with Section 304(e) and 402(a)(2) of the Clean Water Act (CWA) as amended, 33 U.S.C. §§ 1251 et seq., and the Pollution Prevention Act of 1990, 42 U.S.C. §§ 13101-13109, the permittee must develop and implement a Stormwater Pollution Prevention (SWPP) Plan for the facility covered by this permit. The SWPP Plan shall be prepared in accordance with good engineering practices and in accordance with the factors outlined in 40 CFR §125.3(d)(2) or (3) as appropriate. The plan shall identify potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges associated with industrial activity from the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in stormwater discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit. Facilities must implement the provisions of the SWPP Plan required under this part as a condition of this permit. The plan shall include, at a minimum, the following items:
 - a. Specific individual(s) within the facility organization as members of a SWPP Team that are responsible for developing the SWPP Plan and assisting the facility or operations manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's SWPP Plan.
 - b. A description of potential sources which may reasonably be expected to add significant amounts of pollutants to stormwater discharges or which may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. The plan shall identify all activities and significant materials that may potentially be significant pollutant sources. The plan shall include, at a minimum:
 - (1) Drainage
 - (a) A site map indicating an outline of the portions of the drainage area of each stormwater outfall that are within the facility boundaries, each existing structural control measure to reduce pollutants in stormwater runoff, surface water bodies, locations where significant materials are exposed to

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precipitation, locations where major spills or leaks identified under Item (2)(c) (spills and leaks) have occurred, and the locations of the following activities where such activities are exposed to precipitation: fueling stations; vehicle and equipment maintenance and/or cleaning areas; loading/unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; processing areas; and storage areas.

- (b) For each area of the facility that generates stormwater discharges associated with industrial activity with a reasonable potential for containing significant amounts of pollutants, a prediction of the direction of flow, and an identification of the types of pollutants which are likely to be present in stormwater discharges associated with industrial activity. Factors to consider include the toxicity of chemical; quantity of chemicals used, produced or discharged; the likelihood of contact with stormwater; and history of significant leaks or spills of toxic or hazardous pollutants. Flows with a significant potential for causing erosion shall be identified.
- (2) An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to stormwater between the time of three years prior to the effective date of this permit and the present; method and location of on-site storage or disposal; materials management practices employed to minimize contact of materials with stormwater runoff between the time of three years prior to the effective date of this permit and the present; the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff; and a description of any treatment the stormwater receives.
- (3) A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at areas that are exposed to precipitation or that otherwise drain to a stormwater conveyance at the facility after the date of three years prior to the effective date of this permit. Such list shall be updated as appropriate during the term of the permit.
- (4) A summary of existing discharge sampling data describing pollutants in stormwater discharges from the facility, including a summary of sampling data collected during the term of this permit.
- (5) A narrative description of the potential pollutant sources from the following activities if applicable: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes; loading/unloading areas; and on-site waste disposal practices. The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g. biochemical oxygen demand, etc.) of concern shall be identified.
- c. A description of stormwater management controls appropriate for the facility and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of stormwater management controls shall address the following minimum components, including a schedule for implementing such controls:
- (1) Good housekeeping requires the maintenance of areas that may contribute pollutants to stormwater discharges in a clean, orderly manner.
- (2) A preventive maintenance program shall involve timely inspection and maintenance of stormwater management devices (e.g. cleaning oil/water separators, catch basins) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters, and ensuring appropriate maintenance of such equipment and systems.
- (3) Areas where potential spills that can contribute pollutants to stormwater discharges can occur and their accompanying drainage points shall be identified clearly in the SWPP Plan. Where appropriate, specifying material handling procedures, storage requirements, and use of equipment such as diversion valves in the plan should be considered. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a clean up should be available to personnel.
- (4) In addition to or as part of the comprehensive site evaluation required under paragraph (4) of this section, qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the plan. A set of tracking or follow-up procedures shall be

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used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained.

- (5) Employee training programs shall inform personnel responsible for implementing activities identified in the SWPP Plan or otherwise responsible for stormwater management at all levels of responsibility of the components and goals of the SWPP Plan. Training should address topics such as spill response, good housekeeping and material management practices. A pollution prevention plan shall identify periodic dates for such training.
- (6) A description of incidents (such as spills, or other discharges), along with other information describing the quality and quantity of stormwater discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.
- (7) Non-Stormwater Discharges
 - (a) The plan shall include a certification that each "stormwater-only" discharge authorized under this permit has been tested or evaluated for the presence of non-stormwater discharges. (This section is not applicable to those discharges authorized under this permit that have been identified in the application as having non-stormwater components.) The certification shall include the identification of potential significant sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Certifications shall be signed in accordance with paragraph (6) of this section. Such certification may not be feasible if the facility operating the stormwater discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the stormwater pollution plan shall indicate why the certification required by this part was not feasible, along with the identification of potential significant sources of non-stormwater at the site. A discharger that is unable to provide the certification required by this paragraph must notify the Department in accordance with paragraph (iii) below.
 - (b) Except for flows from fire fighting activities, sources of authorized non-stormwater discharges that are combined with stormwater discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge.
 - (c) Failure to Certify. Any facility that is unable to provide the certification required (testing for non-stormwater discharges), must notify the Department. If the failure to certify is caused by the inability to perform adequate tests or evaluations, such notification shall describe: the procedure of any test conducted for the presence of non-stormwater discharges; the results of such test or other relevant observations; potential sources of non-stormwater discharges to the storm sewer; and why adequate tests for such storm sewers were not feasible. Non-stormwater discharges to surface waters of the State of Florida which are not authorized by an NPDES permit are unlawful, and must be terminated or dischargers must submit appropriate NPDES permit application forms.
- (8) The plan shall identify areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to be used to limit erosion.
- (9) The plan shall contain a narrative consideration of the appropriateness of traditional stormwater management practices (practices other than those which control the generation or source(s) of pollutants) used to divert, infiltrate, reuse, or otherwise manage stormwater runoff in a manner that reduces pollutants in stormwater discharges from the site. The plan shall provide that those measures that the permittee determines to be reasonable and appropriate shall be implemented and maintained. The potential of various sources at the facility to contribute pollutants to stormwater discharges associated with industrial activity shall be considered when determining reasonable and appropriate measures. Appropriate measures may include: vegetative swales and practices; reuse of collected stormwater (such as for a process or as an irrigation source); inlet controls (such as oil/water separators); infiltration devices; and, detention or retention devices.

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- d. A Comprehensive Site Compliance Evaluation. Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but, except as provided in paragraph (4)(d) of this section, in no case less than once a year. Such evaluations shall provide:
- (1) Areas contributing to a stormwater discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.
 - (2) Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with paragraph (2) of this section (description of potential pollutant sources) and pollution prevention measures and controls identified in the plan in accordance with paragraph (3) of this section (measures and controls) shall be revised as appropriate within two weeks of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than twelve weeks after the inspection.
 - (3) A report summarizing the scope of the inspection, personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the SWPP Plan, and actions taken in accordance with paragraph (4)(b) of this section shall be made and retained as part of the SWPP Plan for at least one year after coverage under this permit terminates. The report shall identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report shall contain a certification that the facility is in compliance with the SWPP Plan and this permit. The report shall be signed in accordance with paragraph (6) (signatory requirements) of this section.
- e. Consistency with other plans. SWPP Plans may reference the existence of other plans for Spill Prevention Control and Countermeasure (SPCC), plans developed for the facility under section 311 of the CWA or Best Management Practices (BMP) Programs otherwise required by an NPDES permit for the facility as long as such requirement is incorporated into the SWPP Plan.
- f. Signatory Authority and Management Responsibilities. The SWPP Plan shall be signed in accordance with Rule 62-620.305, Florida Administrative Code, and shall be reviewed by the facility engineer and facility manager. A copy of the plan shall be retained at the facility and shall be made available to the Department upon request, or in the case of a stormwater discharge associated with industrial activity that discharges through a municipal separate storm sewer system, to the operator of the municipal system.
- g. Plan Review. The Department may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan requires modifications in order to meet the minimum requirements of this Part. Within 30 days of such notification from the Department, the permittee shall make the required changes to the plan and shall submit to the Department a written certification that the requested changes have been made.
- h. Keeping Plans Current. The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance of the facility which has a significant effect on the potential for the discharge of pollutants to surface waters of the State of Florida; if the SWPP Plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph (2) (description of potential pollutant sources) of this section; or, in otherwise achieving the general objectives of controlling pollutants in stormwater discharges associated with industrial activity. Amendments to the plan may be reviewed by the Department in the same manner as described in paragraphs (6) and (7) of this section.

[62-620.100(3)(m)]

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VIII. OTHER SPECIFIC CONDITIONS

1. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*
 2. The permittee shall provide verbal notice to the Department's Central District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, or wastewater sludges. The Permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Central District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*
 3. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels:
 - (1) One hundred micrograms per liter,
 - (2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2, 4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter for antimony, or
 - (3) Five times the maximum concentration value reported for that pollutant in the permit application; or
 - b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels:
 - (1) Five hundred micrograms per liter,
 - (2) One milligram per liter for antimony, or
 - (3) Ten times the maximum concentration value reported for that pollutant in the permit application.
- [62-620.625(1)]*

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*

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5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.*[62-620.610(9)]*
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*

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13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.[62-620.610(17)]
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-600, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
 - e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
 - f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

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19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally 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. The written submission 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; clean up actions taken and status; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. For noncompliance events related to sanitary sewer overflows, bypass events, or unauthorized discharges, these reports must include the data described above (with the exception of time of discovery) as well as the type of event (e.g., sanitary sewer overflow, bypass, unauthorized discharge); type of sanitary sewer overflow structure (e.g., manhole); the discharge location address and latitude/longitude; type of water discharged; discharge volumes and volumes recovered; volume discharged to surface waters and receiving waterbody name; types of human health and environmental impacts of the sanitary sewer overflow, bypass event, or unauthorized discharge (e.g., beach closure); whether the noncompliance was caused by a third party; and whether the noncompliance was related to wet weather. The written submission may be provided electronically using the Department's Business Portal at <https://www.fldepportal.com/go/> (via "Submit" followed by "Report" or "Registration/Notification"). Notice required for public notice of pollution under paragraph (d) may be provided together with the written submission using the Business Portal. All noncompliance events related to sanitary sewer overflows or bypass events submitted after September 14, 2021, shall be submitted electronically.
- a. The following shall be included as information which must be reported within 24 hours under this condition:
- (1) Any unanticipated bypass which causes any reclaimed water or the effluent to exceed any permit limitation or results in an unpermitted discharge,
 - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice; and,
 - (4) Any unauthorized discharge to surface or ground waters, except for discharges to ground water of reclaimed water meeting Part III or Part V treatment standards under Chapter 62-610, F.A.C.
- b. Oral reports as required by this subsection shall be provided as follows:
- (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4., that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the STATE WATCH OFFICE TOLL FREE NUMBER (800)320-0519, as soon as practicable, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Watch Office:
 - (a) Name, address, and telephone number of person reporting,
 - (b) Name, address, and telephone number of permittee or responsible person for the discharge,
 - (c) Date and time of the discharge and status of discharge (ongoing or ceased),
 - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater),
 - (e) Estimated amount of the discharge,
 - (f) Location or address of the discharge,
 - (g) Source and cause of the discharge,
 - (h) Whether the discharge was contained on-site, and cleanup actions taken to date,
 - (i) Description of area affected by the discharge, including name of water body affected, if any; and,
 - (j) Other persons or agencies contacted.

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- (2) Oral reports, not otherwise required to be provided pursuant to subparagraph (b)1., above, shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.
- d. In accordance with Section 403.077, F.S., unauthorized releases or spills reportable to the State Watch Office pursuant to subparagraph (b)1. above shall also be reported to the Department within 24 hours from the time the permittee becomes aware of the discharge. The permittee shall provide to the Department information reported to the State Watch Office. Notice of unauthorized releases or spills may be provided to the Department through the Department's Public Notice of Pollution web page at <https://floridadep.gov/pollutionnotice> or by reporting electronically using the Department's Business Portal at <https://www.fldepportal.com/go/> (via "Submit" followed by "Report" or "Registration/Notification").
 - (1) If, after providing notice pursuant to paragraph (d) above, the permittee determines that a reportable unauthorized release or spill did not occur or that an amendment to the notice is warranted, the permittee may submit a letter to the Department documenting such determination at pollution.notice@floridadep.gov.
 - (2) If, after providing notice pursuant to paragraph (d) above, the permittee discovers that a reportable unauthorized release or spill has migrated outside the property boundaries of the installation, the permittee must provide an additional notice to the Department that the release has migrated outside the property boundaries within 24 hours after its discovery of the migration outside of the property boundaries.
- e. Unless discharged to surface waters, a spill, release, discharge, upset or bypass involving reclaimed water meeting Part III or Part V treatment standards under Chapter 62-610, F.A.C., shall not be considered to endanger health or the environment and shall be reported under subsection (21) of this permit.

[62-620.610(20)] [62-620.100(3)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17, 18 or 19 of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20 of this permit. *[62-620.610(21)]*
22. Bypass Provisions.
 - a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
 - b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Permit Condition IX. 22. c. of this permit.
 - c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX. 20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
 - d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX. 22. b.(1) through (3) of this permit.

PERMITTEE: Blue Origin, LLC
FACILITY: Blue Origin OLS Manufacturing Complex

PERMIT NUMBER: FLOA00007 MI
EXPIRATION DATE: TBD

- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX. 22. b. through d. of this permit.

[62-620.610(22)]

23. Upset Provisions.

- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
- (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
 - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
 - (4) The permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT

Reggie Phillips
Program Administrator
Permitting and Waste Cleanup Program

Attachment(s):
Discharge Monitoring Report

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When completed submit this report to: <https://www.fldepportal.com/go/>

PERMIT NUMBER: FLOA00007-002-1W7A
PERMITTEE NAME: Blue Origin
MAILING ADDRESS: 8082 Space Commerce Way
 Merritt Island, Florida 32953-8703
REPORT FREQUENCY: Quarterly
PROGRAM: Industrial
LIMIT: Final
CLASS SIZE: M1
MONITORING GROUP NUMBER: D2-001
MONITORING GROUP DESCRIPTION: located at the TCAT discharge manifold
RE-SUBMITTED DMR:
NO DISCHARGE FROM SITE:
MONITORING PERIOD From: _____ To: _____

FACILITY: Blue Origin OLS Manufacturing Complex
LOCATION: 8082 Space Commerce Way
 Merritt Island, Florida 32953-8703

COUNTY: Brevard
OFFICE: Central District

| Parameter | Quantity or Loading | | Units | Quality or Concentration | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--------------------------|---------------------|--|-------|--------------------------|------|-------|---------|-----------------------|-------------|
| | | | | | | | | | |
| Nitrogen, Total | Sample Measurement | | | | | | | | |
| PARAM Code 00600 Y | Permit Requirement | | | 3 (An.Avg.) | mg/L | | | Quarterly | 8-hr FPC |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | |
| PARAM Code 00665 Y | Permit Requirement | | | 1 (An.Avg.) | mg/L | | | Quarterly | 8-hr FPC |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| | | | |
|---|--|--------------|-------------------|
| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DAILY SAMPLE RESULTS - PART B

Permit Number:
Monitoring Period

FL0A00007-002-IW7A
From: _____ To: _____

Facility: Bluc Origin OLS Manufacturing Complex

| | Flow MGD | Flow MGD | Oil and Grease mg/L | Oil and Grease mg/L | pH s.u. | pH s.u. | | | | |
|-----------|----------|----------|---------------------|---------------------|---------|---------|--|--|--|--|
| Code | 50050 | 50050 | 00556 | 00556 | 00400 | 00400 | | | | |
| Mon. Site | EFF-001 | EFF-002 | EFF-001 | EFF-002 | EFF-001 | EFF-002 | | | | |
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| 31 | | | | | | | | | | |
| Total | | | | | | | | | | |
| Mo. Avg. | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A, and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

| CODE | DESCRIPTION/INSTRUCTIONS | CODE | DESCRIPTION/INSTRUCTIONS |
|------|--------------------------------------|------|---|
| ANC | Analysis not conducted. | NOD | No discharge from/to site. |
| DRY | Dry Well | OPS | Operations were shutdown so no sample could be taken. |
| FLD | Flood disaster. | OTH | Other. Please enter an explanation of why monitoring data were not available. |
| IFS | Insufficient flow for sampling. | SEF | Sampling equipment failure. |
| LS | Lost sample. | | |
| MNR | Monitoring not required this period. | | |

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

- Results greater than or equal to the PQL shall be reported as the measured quantity.
- Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
- Results less than the MDL shall be reported by entering a less than sign (" $<$ ") followed by the laboratory's MDL value, e.g. <0.001 . A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A - DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

Resubmitted DMR: Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.

No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

| CODE | DESCRIPTION/INSTRUCTIONS |
|------|---|
| < | The compound was analyzed for but not detected. |
| A | Value reported is the mean (average) of two or more determinations. |
| J | Estimated value, value not accurate. |
| Q | Sample held beyond the actual holding time. |
| Y | Laboratory analysis was from an unpreserved or improperly preserved sample. |

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.
Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.
Time Sample Obtained: Enter the time the sample was taken.
Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.
Detection Limits: Record the detection limits of the analytical methods used.
Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.
Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)
Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).
Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).
Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements, one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.
Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.
No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.
CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.
TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.
Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.
Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.
No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.
Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

**FACT SHEET
FOR
STATE OF FLORIDA INDUSTRIAL WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0A00007-002 (Minor)
FACILITY NAME: Blue Origin OLS Manufacturing Complex
FACILITY LOCATION: 8082 Space Commerce Way, Merritt Island, FL 32953-8703
Brevard County
NAME OF PERMITTEE: Blue Origin, LLC
PERMIT WRITER: Randall Cunningham
Permitting Engineer

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0A00007-002-IW7A
Application Submittal Date: January 21, 2025

b. Type of Facility

The Blue Origin OLS Manufacturing Complex currently operates facilities with an industrial wastewater discharge. The facilities dispense conditioned water to the North Campus stormwater management system which discharges to surface waters. The water, which contains wastewater related to industrial activities, is discharged to surface water to alleviate unnecessary burden on the sanitary sewer serving the facilities.

SIC Code: 3761 - Guided Missile and Space Vehicle Manufacturing

c. Facility Capacity

| | |
|--|-----------------------------|
| Existing Permitted Capacity: | 0.49 mgd Daily Maximum Flow |
| Proposed Increase in Permitted Capacity: | 0 mgd Daily Maximum Flow |
| Proposed Total Permitted Capacity: | 0.49 mgd Daily Maximum Flow |

d. Description of Wastewater Treatment

There is a grouping of operations that receives filtered water supply from the Water Room at Building D. The testing of launch vehicle components at Building D (TCAT) includes adjacent, support operations at Building B (Precision Clean Facility) and Building G (2CAT). The Water Room at Building D receives soft water supply from Building A (Soft Water Filters), processes the soft water through a set of Carbon Filters and purifies the water through a Reverse Osmosis Filter. The product R/O water is pumped from a product storage tank at the Water Room to points of use inside Building D, at Building B and Building G. Clean, filtered water used for tank proofing and rinsing is transferred from Building D and Building G operations to the discharge manifold for transfer to the storm sewer system. The Building D discharge is drained to the discharge manifold under head conditions driven by the elevated tank release. A dedicated wet well and pump system is utilized for the return from Building G to the discharge manifold at Building D. There is no return associated with operations at Building

B. The current project proposes to construct and operate a continuous flow meter and integrated sampler device at the Building D discharge manifold. The flow meter would record continuously any flow conditions and shall provide a signal to allow the sampler (IW-1) device to collect flow proportional samples of the discharge to storm sewer from all sources. A separate, but more significant flow contribution to the discharge manifold at Building D shall be the periodic carbon filter rinse, storage tank dump and supply line purge. The water released from the carbon filter units, the storage tanks and the lines is a preventative maintenance measure made to prevent the occurrence of bacteriological growth in the filters, tanks and lines. These operations will discharge at IW-1 to the onsite retention pond then eventually to the surface water outfall to the Ransom Road Ditch. The closed loop, circulating water in the evaporative cooling towers at the Building A Chiller Plant are required to blowdown a portion of the circulation volume to affect a reduction in the buildup of solids particles (hardness) in the stream as evaporation removes water from the stream. The blowdown which contains an accumulation of the mineral content contained in the potable water source is proposed for surface water disposal in lieu of burden to the sanitary sewer system. This operation will discharge at IW-2 to the onsite retention pond then eventually to the surface water outfall to the Ransom Road Ditch.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

Surface Water Discharge D-001: An existing 0.467 MGD daily maximum flow permitted discharge to a large onsite retention pond (402,981 square feet surface area) provides for dilution of the conditioned water before ultimately discharges the Ransom Road Ditch, Class II Waters, (WBID# 2931d1) which is approximately 48 feet in length and discharges at a depth of approximately 0 feet. The point of discharge is located approximately at latitude 28°30' 42" N, longitude 80°40' 51" W.

Surface Water Discharge D-002: A new 0.015 MGD daily maximum flow permitted discharge to a large onsite retention pond (402,981 square feet surface area) provides for dilution of the conditioned water before ultimately discharges the Ransom Road Ditch, Class II Waters, (WBID# 2931d1) which is approximately 4 feet in length and discharges at a depth of approximately 0 feet. The point of discharge is located approximately at latitude 28°30' 36" N, longitude 80°40' 42" W.

The combined stormwater and industrial wastewater discharges from Pond B to a manmade ditch at the northwest extent of the North Campus. The site stormwater outfall discharges to surface waters which in turn discharge to Indian River. The Pond B outfall connects to the NASA-KSC stormwater ditch network. Within the NASA-KSC Property, which is several hundred thousand acres, there exists a network of man-made ditches which were originally constructed by Citrus Farmers. The ditch network contains several large volume pump stations, also a remnant of the Citrus operations. The Pond B Outfall connects to a tributary ditch of the Ransom Road Ditch. The Ransom Road Ditch contains a pumping system to lift water toward Indian River. The Ransom Road Ditch has a direct gravity connection and a pumped connection to Indian River.

Monitoring Group D-001:

Class II Waters

2. SUMMARY OF SURFACE WATER DISCHARGE

This facility doesn't have a new discharge to surface waters.

The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

This facility is authorized to discharge process wastewater from Outfall D-001 based on the following:

| Parameter | Units | Max/Min | Limit | Statistical Basis | Rationale |
|--------------------------|-------|---------|--------|-------------------|-----------------------|
| Flow | MGD | Max | Report | Annual Average | 62-520, FAC |
| | | Max | 0.49 | Daily Maximum | 62-520, FAC |
| pH | s.u. | Min | 6 | Monthly Average | 62-4.070 FAC (BPJ) |
| | | Max | 9 | Monthly Average | 62-4.070 FAC (BPJ) |
| Oil and Grease | mg/L | Max | 5 | Daily Maximum | 62-302.500 FAC (ADOC) |
| Nitrogen, Total | mg/L | Max | 3 | Annual Average | Final Order 25-1053 |
| Phosphorus, Total (as P) | mg/L | Max | 1 | Annual Average | Final Order 25-1053 |

Technology based effluent limitations (TBELs) are minimum waste treatment requirements based on treatment technologies for reducing discharges of pollutants into receiving waters. TBELs are established, for industrial wastewater facilities, by state rule in Chapters 62-620, 62-660, and 62-670, F.A.C.; they may also be developed in accordance with best professional judgment. No TBELs are included in the permit for the D-001 monitoring group.

Water quality based effluent limitations (WQBELs) are effluent limitations, which may be more stringent than a technology based effluent limitation, that have been determined necessary by the Department to ensure that water quality standards in a receiving body of water will not be violated. WQBELs are developed in accordance with Chapter 62-650, F.A.C., and are based on the characteristics of the discharge, the receiving water characteristics, and the criteria and standards in Chapters 62-4, 62-302, and the 62-600 series, F.A.C.; they may also be developed based on Total Maximum Daily Load (TMDL) allocations adopted in Chapter 62-304, F.A.C., or allocations developed as part of a Basin Management Action Plan (BMAP) or a Reasonable Assurance Plan (RAP). No WQBELs are included in the permit for the D-001 monitoring group.

Pollutants of concern were identified for WQBEL development based on an evaluation of all available information, including a characterization of the pollutants that may be discharged, fifth year inspection data, the sources of pollutants, existing controls on pollutants, available dilution, background pollutant levels in the receiving waters, and the toxicity of pollutants.

Unless otherwise noted, effluent limitations were developed by applying water quality criteria at the end of pipe.

Effluent limitations were determined based on an evaluation of the impact of the discharge on the receiving bodies. This evaluation was conducted in accordance with the Level I WQBEL process described in Rule 62-650.400, F.A.C. For each effluent limitation included in the permit, technology and water quality based limitations were compared and the most stringent limitation was selected.

This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Effluent characterization of the discharge, historical discharge monitoring results, flow information and effluent characterizations of existing discharges to the receiving body, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards.

Toxicity testing is not required for this discharge.

This facility is authorized to discharge non-process wastewater from Outfall D-002 to based on the following:

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|-----------------------------|-------|-------------|--------|-------------------|-----------------------|
| Flow | MGD | Max | 0.015 | Daily Maximum | 62-520, FAC |
| | | Max | Report | Annual Average | 62-520, FAC |
| pH | s.u. | Max | 9 | Daily Maximum | 62-520, FAC |
| | | Min | 6 | Daily Minimum | 62-520, FAC |
| Oil and Grease | mg/L | Max | 5 | Daily Maximum | 62-302.500 FAC (ADOC) |
| Nitrogen, Total | mg/L | Max | 3 | Annual Average | Final Order 25-1053 |
| Phosphorus, Total (as P) | mg/L | Max | 1 | Annual Average | Final Order 25-1053 |

This is a new discharge to pond B. The Department will evaluate sampling results and decide if limits need to be adjusted upon renewal.

This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Effluent characterization of the discharge, and flow information, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards.

Toxicity testing is not required for this discharge.

4. IMPAIRMENT STATUS OF RECEIVING WATERS

Under Section 303(d) of the Clean Water Act, the Department is required to submit lists of impaired waters to EPA. The direct and downstream receiving water bodies for this facility's discharge to surface waters are listed on the 303(d) list. The facility ultimately discharges to the Indian River, but the Department has determined that it won't contribute to any existing impairment.

5. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

For D-001 and D-002: The Department has issued Secretarial Order DEP 25-1053 which adopted the updated North Indian River Lagoon BMAP, which establishes limits for Total Nitrogen and Total Phosphorus for existing industrial wastewater facilities. [Final Order 25-1053].

Oil and Grease added to evaluate the discharges.

6. INDUSTRIAL SLUDGE MANAGEMENT REQUIREMENTS

This section is not applicable to this facility.

7. GROUND WATER MONITORING REQUIREMENTS

This section is not applicable to this facility.

8. PERMIT SCHEDULES

A schedule is not included in the wastewater permit.

9. BEST MANAGEMENT PRACTICES/STORMWATER POLLUTION PREVENTION PLANS

See Permit.

10. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This permit is not accompanied by an AO, and the permittee has not entered into a CO with the Department that affects this permit.

11. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

12. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 14. Copies will be provided at a minimal charge per page.

13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

| | |
|---|--|
| Draft Permit and Public Notice to Applicant and EPA | October 27, 2025 |
| Public Comment Period | Beginning: October 31, 2025 Ending: November 30, 2025 |
| Notice of Intent to Issue | December 8, 2025 |
| Notice of Permit Issuance | December 29, 2025 |

14. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Randall Cunningham
Engineer III
Central District Office

3319 Maguire Blvd
Suite 232
Orlando, FL 32803-3767

Telephone No.: (407) 897-4100

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit to Blue Origin, LLC, 8082 Space Commerce Way, Merritt Island, Florida 32953 for the Blue Origin OLS Manufacturing Complex. This permit authorizes the permittee to operate a 0.49 million gallons per day (MGD) industrial wastewater treatment facility which would discharge 0.467 MGD of process wastewater and discharge 0.015 MGD of non-process wastewater to a large onsite stormwater pond (402,981 square feet surface area) then to the Indian River. The facility is located at latitude 28° 30' 35.5" N, longitude 80° 40' 32.2" W on 8082 Space Commerce Way, Merritt Island, Florida 32953-8703 in Brevard County. The Department has assigned permit file number FL0A00007-002-IW7A to the proposed project.

The permit application file and supporting data are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Central District Office, 3319 Maguire Blvd, Suite 232, Orlando, Florida 32803-3767, at phone number (407)897-4100.

NOTICE OF RIGHTS

The Department intends to issue the permit unless as a result of public comment appropriate changes are made.

Written Comments or Request for Public Meeting

Any interested person may submit written comments on the Department's proposed permitting decision or may submit a written request for a public meeting to Randall Cunningham, 3319 Maguire Blvd, Suite 232, Orlando, Florida 32803-3767, in accordance with Rule 62-620.555, F.A.C. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Central District Office.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled, including a statement of the nature of the issues proposed to be raised at the meeting.

If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

Time Period for Submitting Written Comments or Requesting a Public Meeting

Comments submitted by any persons other than the applicant, and other than those entitled to notice under Rule 62-620.550, F.A.C., must be received within 30 days of publication of the public notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, F.A.C.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.



BOARD OF COUNTY COMMISSIONERS

KRISTINE ZONKA, COMMISSIONER, DISTRICT 5
490 Centre Lake Dr. Suite 175
Palm Bay, FL 32907
Phone: 321.253.6611
D5.Commissioner@brevardfl.gov

Danielle Stern, Chief of Staff
Janette Roig, Legislative Affairs Director
Charlene Brown, Community Affairs Director

February 25, 2022

Randall Cunningham
Florida Department of Environmental Protection
Central District Office
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767

RE: Request for Public Meeting – Draft Permit No. FLOA00032 MI

I am writing on behalf of the Brevard County Board of County Commissioners to request that the Department hold a Public Meeting regarding a permit application to construct and operate an “industrial wastewater treatment facility which would discharge 0.003 MGD [3000 gallon per day] of non-process wastewater to Oyster Prong, a Class II waterbody within the Indian River Lagoon Outstanding Florida Waterbody.” We understand that this discharge is cooling tower water that is cycled multiple times over heat exchanger coils prior to discharge into on-site stormwater ponds that during peak rainfall events may discharge into a 2.5-mile-long canal that discharges to Oyster Prong, a part of the Indian River Lagoon system.

We also understand that the cooling tower water will be filtered with a ProMoss (Sphagnum moss) filter to absorb positively charged ions and stabilize the pH between 6.0-9.0 but may contain up to 3.0 mg/L Total Nitrogen, 1.0 mg/L Total Phosphorus and up to 5.0 mg/L of oil and grease. Monitoring requirements also include chlorine, copper and lead, though no concentration limits are set within the draft permit.

Below is the information that must be provided to request a public meeting:

(a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;

Commenter: Brevard County Board of County Commissioners
Address: 725 Judge Fran Jamieson Way
Viera, FL 32940
Phone: (800)-955-8771
Department Permit File Number: Draft Permit No. FLOA00032 MI

RECEIVED

FEB 28 2022

DEP Central District

Applicant: SpaceX Florida
Paul Sutter, CSP Sr. EHS Manager
PO Box 286
Cape Canaveral, FL 32920-4000
Proposed project location: Brevard County

(b) A statement of how and when notice of the Department's action or proposed action was received;

Notice Received: Via email on February 4, 2022. The date on the Department's notice was February 2, 2022

(c) A statement of the facts the Department should consider in making the final decision;

As the Department is aware, the Indian River Lagoon has been designated as impaired for nutrients, including nitrogen and phosphorus. These excess nutrients feed harmful algal blooms that block light from penetrating through the water to the bottom. Without sufficient light for photosynthesis, seagrass beds have shrunk by 60% and lost roughly 80% of their historical biomass in Brevard County over the last decade. Without sufficient seagrass as forage, manatees are currently starving at an unprecedented rate in an event declared by the U.S. Fish and Wildlife Agency as an "Unusual Mortality Event".

When surface waters are designated as impaired, stakeholders including local governments are mandated to reduce annual loading. In particular, Brevard County is mandated to reduce the amount of nitrogen and phosphorus reaching the Indian River Lagoon. This permit for Space X cooling water discharge, as drafted by the Florida Department of Environmental Protection, would allow increased loading of nutrients to waters where Brevard County is already mandated by a Secretarial Order of the same agency to reduce loading to achieve federal and state adopted Total Maximum Daily Loads (see Florida Department of Environmental Protection's North Indian River Lagoon Basin Management Action Plan, as amended).

Further, in November 2016, the voters of Brevard County approved a self-imposed ½ cent sales tax for the purpose of funding projects and programs to reduce pollution in the Lagoon. The Save Our Indian River Lagoon Program (SOIRL) uses revenues from the ½ cent sales tax to fund various projects to reduce pollution inputs, remove legacy loads of pollution, and restore natural filtration systems in the lagoon.

Although the additional loading input proposed in this draft permit is small (up to 5.64 lbs/year of TN and 1.88 lbs/year of TP), this creates an additional burden to the Brevard County taxpayers. This burden and the associated impacts to lagoon health are of great concern to the citizens of Brevard, many of whom have reached out to their elected officials with questions and concerns about the draft permit and the implications of this new pollution source. There is also public concern about other potential pollutants including chlorine, copper, lead, iron, manganese, and zinc mentioned in the draft permit.

(d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action;

Statutory Reference: SECTIONS 403.067(6) AND (7), FLORIDA STATUTES guide the development and implementation of Basin Management Action Plans. The North Indian River Lagoon Basin Management Action Plan, adopted by Secretarial Order on February 2013, as amended, allocates the maximum amount of

pollutants that may be discharged or released to all basins and sources of inflow to this water body segment. It also details the load allocation reductions mandated to the county for specific point sources and categories of non-point sources in order to attain the total maximum daily loads established for the respective water body segment. Allocated load reductions are mandated by the Department as permit conditions in the County's National Pollutant Discharge Elimination System permit, as authorized by the Environmental Protection Agency under provisions of the 1972 Clean Water Act, enacted by Congress as Public Law 92-500.

(e) If desired, a request that a public meeting be scheduled, including a statement of the nature of the issues proposed to be raised at the meeting.

Nature of the issues: Due to the level of nutrient impairment of the lagoon, the recent and ongoing loss of seagrass habitat, the associated mortality of manatees and loss of marine life abundance, as well as the local responsibility to reduce excess nutrient loads, and significant community concerns regarding the draft permit, Brevard County requests that the Department hold a Public Meeting as offered in the Notice of Draft Permit which County staff received via email on February 4th, 2022.

The Board of County Commissioners appreciates the opportunity to provide the comments above and request a Public Meeting for the Department to hear the concerns of the community directly before taking final action on the proposed discharge permit. The Space Program is also vitally important to our community, our economy and our Space Coast brand. We are hopeful there is a solution that supports private investment in space while also protecting the Indian River Lagoon.

Sincerely,



Kristine Zonka, Chair

Brevard County Commission District 5

As authorized by the Board of County Commissioners on February 22, 2022