



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Ron DeSantis
Governor

Jay Collins
Lt. Governor

Alexis A. Lambert
Secretary

Sent Via Electronic Mail

August 21, 2026

In the Matter of an Application for Permit by:

Ascend Performance Materials
Kevin Heisel
Senior Site Director
P.O. Box 97
Gonzalez, Florida 32560-0097
KHeisel@AscendMaterials.com

UIC Permit File: 0001150-013-015-UO/11
WACS Facility ID: 2222
County: Escambia
Class: Class I Injection Well System
Well: IW-A, IW-B, IW-C
Permit Type: Operation
Facility: Ascend Performance Materials
Operations

Notice of Draft Permit

The Department of Environmental Protection (Department) hereby gives notice that a draft permit has been developed for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Ascend Performance Materials, Kevin Heisel, Senior Site Director, P.O. Box 97, Gonzalez, Florida 32560-0097, applied on November 24, 2021, for a Class I injection well operation permit.

The Department has permitting jurisdiction under Chapter 403 of the Florida Statutes (F.S.) and the rules adopted thereunder. The project is not exempt from permitting procedures. The Department has determined that an Underground Injection Control permit is required for the proposed work.

Pursuant to Section 403.815, F.S., and Rule 62-528.315(6)(b) of the Florida Administrative Code, the applicant is required to publish at their own expense the enclosed Notice of Draft Permit. The notice must be published one time only within 30 days in 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. The applicant shall provide proof of publication to the Aquifer Protection Program of the Department within seven (7) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

Any interested person may submit written comments on the draft permit within 30 days of the public notice. Written comments may be submitted to the Department of Environmental Protection, Aquifer Protection Program, 2600 Blair Stone Road, MS 3530, Tallahassee, Florida 32399-2400. A public meeting for the purpose of receiving verbal and written comment concerning this project has been set for (Month, date, year) (meeting beginning time to meeting end time) at (Public meeting address). All comments received within the 30-day period and during the public meeting will be considered by the Department in formulating a final decision concerning this project. Please contact James Dodson, Professional Geologist II at 850-245-8653 for additional information.

Executing and Clerking:

Executed in Tallahassee, Florida
State of Florida Department of Environmental Protection

Richard Lobinske

Richard Lobinske, Ph.D.
Environmental Administrator
Underground Injection Control
Aquifer Protection Program
Division of Water Resource Management

Certificate of Service

The undersigned duly designated clerk hereby certifies that this Notice of Draft Permit and all copies were sent on the filing date August 21, 2026, to the following listed persons:

Richard Lobinske, DEP/TLH, Richard.Lobinske@FloridaDEP.gov
James Dodson, DEP/TLH, James.Dodson@FloridaDEP.gov
Jeremy Hart, DEP/TLH, Jeremy.R.Hart@FloridaDEP.gov
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Matthew Knoll, DEP/TAL, Matthew.Knoll@FloridaDEP.gov
Jason Meadows, USEPA/ATL, Meadows.JasonB@EPA.gov

Filing and Acknowledgment

Filed, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

**Kaiden
Miller**

Digitally signed by
Kaiden Miller

Date: 2026.08.21

09:59:07 -04'00'

Clerk

8/21/2026

Date

State of Florida
Department of Environmental Protection

Notice of Draft Permit

The Department of Environmental Protection hereby provides notice that it has prepared a draft permit for the proposed project as detailed in the application, subject to the conditions specified in the draft permit and summarized below. The applicant, Ascend Performance Materials, Kevin Heisel, Senior Site Director, P.O. Box 97, Gonzalez, Florida 32560-0097 applied on Nov 24, 2021, for a Class I injection well operation permit. The project is located at Ascend Performance Materials Operations, Post Office Box 97, Gonzalez, Florida 32560-0097, in Escambia County (File 0001150-013-015-UO/11, WACS ID 2222).

The permittee will operate three non-hazardous Class I injection wells (IW-A, IW-B, IW-C) and associated monitoring wells (SMW-1, SMW-2, SMW-3, NDMW, SDMW) for the disposal of wastewater from Ascend's facility. The injected wastewater results primarily from synthetic fibers and organic chemicals manufacturing. Wastewater is also generated from other activities, including laboratory, maintenance, and utility operations, cooling tower blowdown, chilled water blowdown, boiler blowdown, steam condensate, air conditioning condensate, stormwater, firewater that has the potential to contact plant chemicals, wash/cleanout wastewater, domestic wastewater plant effluent, incidental releases within the manufacturing facilities of plant process materials that are currently managed by the wastewater deep well injection system, and neutralized wastewater from Cerex Advanced Fabrics, Inc. Wastewater treatment consists of flow equalization and pH adjustment. The maximum injection rate for injection well IW-A shall be 1,200 gallons per minute (gpm). The maximum injection rate for injection wells IW-B and IW-C shall be 1,400 gpm per injection well. The combined maximum permitted injection rate for the facility shall 2,800 gpm for routine operation and 3,600 gpm under specific circumstances. Injection well IW-A is constructed with a 12.75-inch diameter steel casing set to 1,390 feet below land surface (bls) and a 6.625-inch diameter stainless steel tubing set to 1,386 feet bls with a fluid-filled annulus, and a total depth of 1,808 feet bls. Injection well IW-B is constructed with a 10-inch diameter steel casing set to 1,415 feet bls and a 6.625-inch diameter stainless steel tubing set to 1,406 feet bls with a fluid-filled annulus, and a total depth of 1,654 feet bls. Injection well IW-C is constructed with a 10-inch diameter steel casing set to 1,386 feet bls and a 6.625-inch diameter stainless steel tubing set to 1,392 feet bls with a fluid-filled annulus, and a total depth of 1,664 feet bls. Monitor well SMW-1 is completed in the Upper Floridan aquifer from 973 to 1,140 feet bls. Monitor well SMW-2 is completed in the Upper Floridan aquifer from 1,088 to 1,138 feet bls. Monitor well SMW-3 is completed in the Upper Floridan aquifer from 968 to 1,172 feet bls. Monitor well NDMW is completed in the Lower Floridan aquifer from 1,340 to 1,523 feet bls. Monitor well SDMW is completed in the Lower Floridan aquifer from 1,430 to 1,596 feet bls.

The Department has permitting jurisdiction under Chapter 403 of the Florida Statutes and the rules adopted thereunder. The project is not exempt from permitting procedures. The Department has determined that an Underground Injection Control permit is required for the proposed work.

Any interested person may submit written comments on the draft permit and may request a public meeting within 30 days after publication of this public notice. A request for a public meeting shall be submitted in writing and shall state the nature of the issues proposed to be raised in the meeting. If a public meeting is later scheduled, there will be another 30-day notice period for that meeting. Written comments or a public meeting request shall be submitted to the Department of Environmental Protection, Aquifer Protection Program, 2600 Blair Stone Road, MS 3530, Tallahassee, Florida 32399-

2400, which is the office processing this permit application. All comments received within the 30-day period will be considered in formulation of the Department's final decision regarding permit issuance.

The files associated with this order are available for public inspection during normal business hours, 8 a.m. to 5 p.m., Monday through Friday, except state holidays, at the Department of Environmental Protection, Northwest District, and at the Department of Environmental Protection, Aquifer Protection Program office in Tallahassee. A copy of the meeting agenda, permit application, draft permit, and all other related information, may be obtained by contacting James Dodson, Professional Geologist II, Florida Department of Environmental Protection, Aquifer Protection Program by U.S. Mail, 2600 Blair Stone Road, MS 3530, Tallahassee, Florida 32399-2400; or by phone at 850-245-8653.



FLORIDA DEPARTMENT OF Environmental Protection

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Shawn Hamilton
Secretary

Underground Injection Control Class I Injection Well System Operation Permit

Permittee

Kevin Heisel
Senior Site Director
Ascend Performance Materials
P.O. Box 97
Gonzalez, Florida 32560-0097
KHeise@AscendMaterials.com

Permit / Certification

UIC Permit Number: 0001150-013-015-UO/11
WACS Facility ID: 2222
Date of Issuance: Draft
Date of Expiration: Draft
Permit Processor: James Dodson

Facility

Ascend Performance Materials Operations
Post Office Box 97
Gonzalez, Florida 32560-0097

Location

County: Escambia
Latitude: 30° 35' 37" N
Longitude: 87° 14' 15" W

Project: Class I Injection Well System IW-A, IW-B, IW-C

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and the rules adopted thereunder, particularly Chapter 62-528, Florida Administrative Code (F.A.C.). The above-named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department of Environmental Protection (Department or DEP) and made a part hereof and specifically described as follows.

To Operate: Three non-hazardous Class I injection wells (IW-A, IW-B, IW-C) and associated monitoring wells (SMW-1, SMW-2, SMW-3, NDMW, SDMW) for the disposal of wastewater from Ascend's facility. The injected wastewater results primarily from synthetic fibers and organic chemicals manufacturing. Wastewater is also generated from other activities, including laboratory, maintenance, and utility operations, cooling tower blowdown, chilled water blowdown, boiler blowdown, steam condensate, air conditioning condensate, stormwater, firewater that has the potential to contact plant chemicals, wash/cleanout wastewater, domestic wastewater plant effluent, incidental releases within the manufacturing facilities of plant process materials that are currently managed by the wastewater deep well injection system, and neutralized wastewater from Cerex Advanced Fabrics, Inc. Wastewater treatment consists of flow equalization and pH adjustment. The maximum injection rate for injection well IW-A shall be 1,200 gallons per minute (gpm) The maximum injection rate for injection wells IW-B and IW-C shall be 1,400 gpm per injection well. The combined maximum permitted injection rate for the facility shall 2,800 gpm for routine operation and 3,600 gpm under specific circumstances. Injection well IW-A is constructed with a 12.75-inch diameter steel

Permittee: Kevin Heisel, Senior Site Director
Ascend Performance Materials
Ascend Performance Materials Operations

UIC Permit Number: 0001150-013-015-UO/11
WACS Facility ID: 2222
Date: August 21 2026

casing set to 1,390 feet below land surface (bls) and a 6.625-inch diameter stainless steel tubing set to 1,386 feet bls with a fluid-filled annulus, and a total depth of 1,808 feet bls. Injection well IW-B is constructed with a 10-inch diameter steel casing set to 1,415 feet bls and a 6.625-inch diameter stainless steel tubing set to 1,406 feet bls with a fluid-filled annulus, and a total depth of 1,654 feet bls. Injection well IW-C is constructed with a 10-inch diameter steel casing set to 1,386 feet bls and a 6.625-inch diameter stainless steel tubing set to 1,392 feet bls with a fluid-filled annulus, and a total depth of 1,664 feet bls. Monitor well SMW-1 is completed in the Upper Floridan aquifer from 973 to 1,140 feet bls. Monitor well SMW-2 is completed in the Upper Floridan aquifer from 1,088 to 1,138 feet bls. Monitor well SMW-3 is completed in the Upper Floridan aquifer from 968 to 1,172 feet bls. Monitor well NDMW is completed in the Lower Floridan aquifer from 1,340 to 1,523 feet bls. Monitor well SDMW is completed in the Lower Floridan aquifer from 1,430 to 1,596 feet bls.

In Accordance With: The Application to Operate DEP Form No. 62-528.900(1) received Nov 24, 2021, response to the Department's request for additional information dated June 27, 2022, and supporting information submitted to the Aquifer Protection Program (APP) Tallahassee office.

Location: Ascend Performance Materials Operations, Post Office Box 97, Gonzalez, Florida 32560-0097, in Escambia County.

The injection and monitoring wells, as designated below by well name and Water Assurance Compliance System (WACS) Testsite identification (ID), and construction details at this facility, are as follows:

Table 1
Injection Wells

Well Name	WACS Testsite ID	Well Depth (Feet bls)	Casing Size ^a (Inches)	Casing or Tubing Type	Casing Depth or Interval (Feet bls)
IW-A	5311	1,808	24	Steel	86
			18	Steel	982
			12.75	Steel	872 – 1,390
			9.625	Steel ^b	0-1,309.5
			9.625	Stainless Steel ^b	1,309.5 – 1,374.5
			6.625 (6 5/8)	Stainless Steel	1,385
			Open Hole		1,390 – 1,808
IW-B	5312	1,654	16	Steel	110
			10	Steel	1,415
			6.625 (6 5/8)	Stainless Steel	1,406
			Open Hole		1,415 – 1,654
IW-C	5313	1,664	30	Steel	106
			18	Steel	1,190
			10	Steel	1,386
			6.625 (6 5/8)	Stainless Steel	1,392
			Open Hole		1,392 – 1,664
Injection Well Notes: Constructed with a fluid-filled annulus and cemented to land surface.					
^a All sizes in outside diameter or nominal size. ^b Liner installed during well workover in 2026.					

Table 2
Monitor Wells

Well Name	WACS Testsite ID	Monitor Zone	Casing Size ^a (Inches)	Casing Type	Casing Depth (Feet bls)	Monitoring Depth (Feet bls)
SMW-1			8	Steel	973	
	8836	Upper Zone	Open Hole			973 – 1,140
SMW-2			10.75 (10 ¾)	Steel	1,088	
	8880	Upper Zone	Open Hole			1,088 – 1,138
SMW-3			10.75	Steel	968	
	9059	Upper Zone	Open Hole			968 – 1,172
NDMW			16	Steel	100	
			8	Steel	1,340	
	8881	Lower Zone	Open Hole			1,340 – 1,523
SDMW			16	Steel	100	
			8	Steel	1,430	
	8835	Lower Zone	Open Hole			1,430 – 1,596

Monitor Well Notes: ^aAll sizes in outside diameter or nominal size. Four of the monitor wells are equipped with 0.75-inch diameter stainless steel sampling tubes to facilitate sample collection. The sample tubes were set at the following depths in feet below land surface: SMW-1 (1,120); SMW-2 (1,120); NDMW (1,360); and SDMW (1,450).

Subject To: Specific Conditions I-VI and General Conditions 1-24.

Specific Conditions

I. Operating Requirements

A. General

- Only non-hazardous injectate as described in this permit and purge water from the on-site monitor wells (associated with the injection well system) may be discharged into the injection wells. [62-528.400(1), F.A.C.]
- The injection pressure at the wellhead shall be monitored and controlled at all times to ensure the total pressure does not exceed the maximum allowable design stress of the materials or components used to construct the injection wells. The following table outlines the wellhead pressures in pounds per square inch (psi) applicable at the time of permit issuance:

Well	Maximum Permitted Wellhead Pressure (psi)	Most Recent MIT-Tested Annular Pressure at the Time of Issuance of this Permit (psi)
IW-A	200	208.91
IW-B	200	175.15
IW-C	200	183.79

Maximum well-head pressure can only be exceeded by transient pressure spikes caused by start-up or shut-down operations. Transient pressure spikes experienced within this system are typically 25-30 psi above the sustained pressure for less than 5 minutes. If this maximum well-head pressure is exceeded for more than 5 minutes at other times, or is the cause of the movement of fluids, into an underground source of drinking water contrary to Specific Condition I. (5), the Department shall be notified in accordance with General Condition 24 and the injection well(s) shut down until the cause of excess pressure is found and corrected. *[62-528.300(6)(e), F.A.C.]*

3. The total injection rate is limited to 2,800 gpm with a maximum of 1,400 gpm for any one well with the exception of injection well IW-A which is limited to a maximum of 1,200 gpm and except as described in Specific Conditions I.5 and I.6. *[62-528.300(6)(e), F.A.C.]*
4. The permittee may increase the total injection rate up to 3,600 gpm only under the specific circumstances listed below.
 - a. The permittee may, with prior verbal approval from the Department, inject at a rate of up to 3,600 gpm under special planned conditions (e.g., to pump down tanks in preparation for mechanical integrity tests or anticipated heavy rainfall.)
 - b. The permittee may also inject at a rate of up to 3,600 gpm as reasonably necessary in emergency circumstances, (e.g., to manage excess water from stormwater or firefighting). The permittee shall notify the Department by telephone within 24-hours of any increase in injection rate in response to such an emergency.
 - c. The permittee shall submit with the monthly report occurrences that required the use of a total injection rate of greater than 2,800 gpm. The report shall contain the reason(s) the increased rate was used and all particulars, i.e., duration, maximum well-head pressures and injection rates of each of the three injection wells during the increased rate(s), total volume injected and any other pertinent information. *[62-528.415(1)(f), F.A.C.]*
5. No underground injection is allowed that causes or allows movement of fluid into an underground source of drinking water if such fluid movement may cause a violation of any Primary Drinking Water Standard or may otherwise affect the health of persons. *[62-528.440(2)(c), F.A.C.]*

6. All equipment of this facility shall be operated and maintained so as to function consistently as designed. The wastewater stream shall remain non-hazardous at all times. *[62-528.307(3)(b) and 62-528.400(1), F.A.C.]*
7. In the event a well must be plugged or abandoned, the permittee shall obtain a permit from the Department, as required by Rule 62-528, F.A.C. When no longer used for its intended purpose, a well shall be properly plugged and abandoned. Within 180 days of well abandonment, the permittee shall submit to the Department the proposed plugging method, pursuant to Rule 62-528.460, F.A.C. *[62-528.460(1) and 62-528.435(6), F.A.C.]*
8. In accordance with rules 62-4.090 and 62-528.455(3)(a), F.A.C., the permittee shall submit an application for permit renewal at least 60 days prior to expiration of this permit. *[62-528.307(3)(a), F.A.C.]*
9. Hurricane Preparedness: Preparations to be made by permittee upon issuance of a "Hurricane Watch" by the National Weather Service include, but are not limited to:
 - a. Secure all onsite salt and other stockpiled additive materials to prevent surface and/or ground water contamination.
 - b. Properly secure equipment to prevent damage to well(s) and onsite treatment process equipment.*[62-528.307(1)(f), F.A.C.]*

B. Mechanical Integrity and Mechanical Integrity Testing (MIT)

1. Mechanical Integrity.
 - a. The permittee shall maintain the mechanical integrity of the well at all times.
 - b. If the Department determines that the injection well lacks mechanical integrity, written notice shall be given to the permittee.
 - c. Within 48 hours of receiving written notice that the well lacks mechanical integrity, unless the Department requires immediate cessation of injection, the permittee shall cease injection into the well unless the Department allows continued injection pursuant to subparagraph d. below.
 - d. The Department shall allow the permittee to continue operation of a well that lacks mechanical integrity if the permittee has made a satisfactory demonstration that fluid movement into or between underground sources of drinking water is not occurring.*[62-528.307(3)(e), F.A.C.]*
2. The permittee shall demonstrate mechanical integrity at least once every five years for each existing injection well. In the event operational or other data indicate a possible loss of integrity in an injection well, mechanical integrity and other testing may be required at less than a five-year interval. For each injection well, the mechanical integrity testing program shall include: pressure test, radioactive tracer survey (RTS), and temperature log. During the mechanical integrity tests, a Sonic Caliper Survey shall be performed on the injection cavities of Injection Wells "A", "B", and "C", and a pressure test of each injection well

annulus. Mechanical integrity testing shall be run and completed prior to the following dates:

Five-Year MIT	
Well Name	Required Completion Date
IW-A	June 21, 2030
IW-B	May 6, 2030
IW-C	June 17, 2030

[62-528.300(6)(b)2, 62-528.300(6)(c), and 62-528.425(1)(d), F.A.C.]

3. A plan describing the mechanical integrity procedures shall be submitted to the Department's APP Tallahassee and Northwest District offices for approval at least 90 days prior to the required completion date noted above. *[62-528.307(1)(m)4, F.A.C.]*
4. The Department's Northwest District office must be notified a minimum of seven (7) calendar days prior to all testing for mechanical integrity on the injection wells. The testing procedure must be approved by the Department before testing begins. Any change in the approved testing procedure must be approved by the Department before testing begins. All testing must be initiated during daylight hours, Monday through Friday other than State holidays, unless approval has been given by the Department. An evaluation of all test results must be submitted with all test data. *[62-528.300(6)(f), F.A.C.]*
5. Pursuant to Rule 62-528.430(2)(b)2.a., F.A.C., the final report for the demonstration of mechanical integrity for the injection wells shall be submitted to the APP Tallahassee office for review and approval within three months of the completion date for mechanical integrity testing. In addition, a copy of the cover letter for the MIT results shall be sent to the U.S. Environmental Protection Agency, Region 4, Underground Injection Control program, 61 Forsyth St. SW, Atlanta, Georgia 30303-8909, or R4gwuic@EPA.gov. The final MIT report shall be prepared by a Florida-Licensed Professional Engineer and/or Professional Geologist (as appropriate), and it shall address all tests noted in Specific Condition Number I.B.2. above (including procedures followed, results, and interpretations), and shall include a tabular presentation/graphical evaluation of monitoring well data over the previous five-year period. For wells with a fluid-filled annulus, the report shall also include a tabular presentation/graphical evaluation of annular pressure data over the previous five-year period, with the addition or removal of pressure and annular fluid noted. If the well has failed any of the specified tests, or the annular pressure system exhibits leaks, the MIT report shall include a plan for corrective action for all discovered deficiencies. *[62-528.440(5)(b), F.A.C.]*
6. If any injection well is out of service for six months or more, the annulus shall be pressure tested in accordance with 62-528.300(6)(b) F.A.C to demonstrate internal mechanical integrity prior to placing the well into service. Unless otherwise agreed by the Department, the permittee shall notify the Department a minimum of seven (7) calendar days prior to all testing, and the results shall be

submitted to the Department within 90 days after completion of the test. [62-528.300(6) F.A.C.]

C. Surface Equipment

1. The integrity of the monitor zone sampling systems shall be maintained at all times. Sampling lines shall be clearly and unambiguously identified by monitor zone at the point at which samples are drawn. All reasonable and prudent precautions shall be taken to ensure that samples are properly identified by monitor zone and that samples obtained are representative of those zones. Sampling lines and equipment shall be kept free of contamination with independent discharges and no interconnections with any other lines. [62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]
2. The surface equipment for each injection well disposing of domestic (municipal) effluent shall maintain compliance with Rule 62-600.540(5), F.A.C., for water hammer control, screening, access for logging and testing, and reliability and flexibility in the event of damage to the well and effluent piping. [62-600.540(5), 62-528.307(1)(f), and 62-528.307(3)(b), F.A.C.]
3. Injection wells not disposing of domestic (municipal) effluent shall maintain compliance with Rule 62-528.450(2)(j), F.A.C., for water hammer control, as well as access for logging and testing, and reliability and flexibility in the event of damage to the well and effluent piping. [62-528.450(2)(j), 62-528.307(1)(f), and 62-528.307(3)(b), F.A.C.]
4. The surface equipment and piping for the injection and monitoring wells shall be kept free of corrosion at all times. [62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]
5. Spillage onto the injection well pad(s) during construction activities, and any waters spilled during mechanical integrity testing, maintenance, testing, or repairs to the system(s) shall be contained on the pad(s) and directed to a sump which in turn discharges to the pumping station wet well, or via other approved means to the injection well system, or by another method approved by the Department. [62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]
6. The injection well pads are not, unless specific approval is obtained from the Department, to be used for storage of any material or equipment at any time. [62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]
7. The surficial aquifer monitor wells adjacent to the injection and monitor wells shall be secured, maintained, and retained in service for subsequent sampling that may be needed (e.g., should there be an accidental discharge to the surficial aquifer); alternatively, the facility may submit a request to the Department for cessation of sampling followed by capping, or plugging and abandonment of these wells. [62-528.307(3)(b) and 62-520.600(6)(k), F.A.C.]

II. Quality Assurance/Quality Control

1. The permittee shall ensure that the operation of this injection well system shall be as described in the application and supporting documents. Any proposed modifications to the permit, construction procedures, testing procedures, completion procedures, operation procedures, or any additional work not described in the application or supporting documents shall be submitted in writing to the APP Tallahassee office for review and clearance prior to implementation. Changes of negligible impact to the environment and staff time will be reviewed by the program manager, cleared when appropriate and incorporated into this permit. Changes or modifications other than those described above will require submission of a completed application and appropriate processing fee as per Rule 62-4.050, F.A.C. *[62-4.050, F.A.C.]*
2. Proper operation and maintenance include effective performance and appropriate quality assurance procedures; adequate operator staffing and training; and adequate laboratory and process controls. *[62-528.307(3)(b), F.A.C.]*
3. All water quality samples required by this permit shall be collected in accordance with the appropriate Department Standard Operation Procedures (SOP), pursuant to Rule 62-160.210, F.A.C., *Approved Field Procedures*. A certified laboratory shall conduct the analytical work, as provided by Rule 62-160.300, F.A.C., *Laboratory Certification*. Department approved test methods shall be utilized, unless otherwise stated in this permit. All calibration procedures for field testing and laboratory equipment shall follow manufacturer's instrumentation manuals and satisfy the requirements of the Department SOPs. A listing of the SOPs pertaining to field and laboratory activities is available at the Department's website: <https://floridadep.gov/dear/quality-assurance/content/dep-sops>. *[62-4.246, 62-160, F.A.C.]*
4. All indicating, recording and totalizing devices associated with the injection well system shall be maintained in good operating condition and calibrated annually at a minimum. The pressure gauges, flow meter, and chart recorders shall be calibrated using standard engineering methods. *[62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]*
5. All applications, reports, and submittals of other information required by the Department shall be certified as being true, accurate, and complete. *[62-528.307(1)(n), F.A.C.]* Documents submitted to satisfy the requirements of this permit shall be signed by a person authorized under Rule 62-528.340(1), F.A.C., or a duly authorized representative of that person under Rule 62-528.340(2), F.A.C. All documents required by this permit which are submitted to the Department shall contain the following certification as required by Rule 62-528.340(4), F.A.C.:

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.

[62-528.340(1), (2), and (4), F.A.C.]

6. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department as being more representative of ground water conditions. *[62-520.310(5), F.A.C.]*
7. An updated operation and maintenance manual, including a description of surge and water hammer control, shall be submitted to the Department within 60 days of the issuance of this permit if requested by the Department during the permit application process and was not already submitted. *[62-528.415(3), F.A.C.]*

III. Testing and Reporting Requirements

A. General

1. The permittee shall submit monthly to the Department the results of all injection well and monitor well data required by this permit no later than the last day of the month immediately following the month of record. The report shall include:
 - a. A cover page summarizing the current status of all monthly activities, including, but not limited to, the certification and signature required in Specific Condition Number II.5 above.
 - b. Operational and water quality data in a tabular format. The following identifying information must be included on each data sheet:
 - i. Facility Name
 - ii. Well Name
 - iii. UIC Permit Number
 - iv. WACS Facility ID
 - v. WACS Testsite ID on the appropriate data sheet (as provided in Table 1 and Table 2).
 - c. Laboratory pages and original supporting documentation including DEP Form FD 9000-24, *Groundwater Sampling Log*, for the purging of each monitor well.*[62-528.307(3)(d), F.A.C.]*
2. The report may be sent via electronic mail in Adobe™ (.pdf) format to the following Program e-mail addresses:

If a paper copy of the report is submitted, it should be sent to Department staff at the following addresses:

Northwest District

160 Government Street, Suite 308

Pensacola, Florida 32502-5740

Aquifer Protection Program

2600 Blair Stone Road, MS 3530

Tallahassee, Florida 32399-2400

[62-528.307(3)(d), F.A.C.]

B. Monitoring

1. The injection system shall be monitored in accordance with Rules 62-528.425 and 62-528.430, F.A.C. The following injection well performance data and monitor zone data shall be recorded and reported in the *Monthly Operation Report* (MOR) as indicated below. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. [62-528.425, 62-528.430, F.A.C.]

- a. Monthly (M) samples and measurements shall be taken as close to 30 days apart as possible.
- b. Quarterly (Q) samples and measurements shall be taken during the following quarters:
 - .. January 1 – March 31
 - .. April 1 – June 30
 - .. July 1 – September 30
 - .. October 1 – December 31

Samples and measurements collected during consecutive quarters shall be taken at least 30 days apart. A MOR including quarterly results shall be noted as such on the title page of the report.

- c. Semiannual (SA) samples and measurements shall be taken during the following timeframes:

- .. January 1 – June 30
- .. July 1 – December 31

Semiannual samples and measurements shall be taken at least 90 days apart. A MOR including semiannual results shall be noted as such on the title page of the report.

- d. Annual (A) samples and measurements

- .. The period for reports of annual samples and measurements shall be for the calendar year ending December 31.

Annual samples and measurements taken in consecutive years shall be taken at least 6 months apart and as close to a year apart as possible. If a MOR includes annual results, it shall be noted as such on the title page of the report.

[62-528.307(1)(m) F.A.C.]

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2. The permittee shall submit the results of all injection well and monitor well data required by this permit to the Department no later than the last day of the month immediately following the month of record. *[62-528.307(2)(d)]*
3. Technical malfunctions and emergencies that interfere with the sampling schedule can be explained in the comment section of the MOR. The explanation shall include what issues occurred, how long it will take to address the issues, and an estimated time when the samples and measurements will be completed and submitted.

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Table 3
Monitoring Schedule

Parameter	Unit	Recording Frequency or Sampling Method	Frequency of Analyses		
			IW-A 5311 IW-B 5312 IW-C 5313	SMW-1 8836 SMW-2 8880 SMW-3 9059	NDMW 8881 SDMW 8835
Injection Pressure, Max.	psi	Continuous	D/M ^a		
Injection Pressure, Min.	psi	Continuous	D/M ^a		
Injection Pressure, Avg.	psi	Continuous	D/M ^a		
Flow Rate, Max.	gpm	Continuous	D/M ^a		
Flow Rate, Min.	gpm	Continuous	D/M ^a		
Flow Rate, Avg.	gpm	Continuous	D/M ^a		
Annular Pressure, Max.	psi	Continuous	D/M ^a		
Annular Pressure, Min.	psi	Continuous	D/M ^a		
Annular Pressure, Avg.	psi	Continuous	D/M ^a		
Fluid Added to/Removed from Annulus	gallons	Daily/Monthly	D/M		
Pressure Added to/Removed from Annulus	psi	Daily/Monthly	D/M		
Total Volume Injected per Well	MG	Daily/Monthly	D/M		
Total Volume Injected Facility	MG	Daily/Monthly	D/M		
Pressure or Water Level Max.	psi or ft NAVD	Continuous		D/M ^a	Q ^a
Pressure or Water Level Min.	psi or ft NAVD	Continuous		D/M ^a	Q ^a
Pressure or Water Level Avg.	psi or ft NAVD	Continuous		D/M ^a	Q ^a
pH ^b	standard units	Grab/Purge	M	M	Q
Specific Conductance ^b	µmhos/cm	Grab/Purge	M	M	Q
Temperature ^b	°C	Grab/Purge	M	M	Q
Dissolved Oxygen ^b	mg/L	Grab/Purge		M	Q
Turbidity ^b	NTU	Grab/Purge		M	Q
Chloride	mg/L	Grab/Purge	A	M	S
Sulfate	mg/L	Grab/Purge	A	S	S
Boron	mg/L	Grab/Purge	M	S	S
Copper	mg/L	Grab/Purge	M	S	S
Total N	mg/L	Grab/Purge	M	M	S
Total Iron	mg/L	Grab/Purge	M	S	S
Zinc	mg/L	Grab/Purge	M	S	S
Ammonia as N	mg/L	Grab/Purge	M	S	S
Total Dissolved Solids	mg/L	Grab/Purge	S	S	S
Nitrate + Nitrite as N	mg/L	Grab/Purge	M	A	A
Total Phosphorus as P	mg/L	Grab/Purge	M	A	A
Total Kjeldahl Nitrogen	mg/L	Grab/Purge	M		
Bicarbonate	mg/L	Grab/Purge		Q	Q
Carbonate	mg/L	Grab/Purge		Q	Q
Calcium	mg/L	Grab/Purge		S	S
Strontium	mg/L	Grab/Purge		S	S
Magnesium	mg/L	Grab/Purge		S	S
Potassium	mg/L	Grab/Purge		S	S
Sodium	mg/L	Grab/Purge		S	S
Dissolved Organic Carbon	mg/L	Grab/Purge		S	S
Fluoride	mg/L	Grab/Purge		S	S
Organic Nitrogen	mg/L	Grab/Purge		S	S
Total Suspended Solids	mg/L	Grab/Purge	M		
Primary & Secondary Drinking Water Standards, Source Waters		^c	A		

D - Daily; M - Monthly; Q - Quarterly; S - Semi-annually; A - Annually

^a - Operational data reporting for flows, pressures and water levels: daily maximum, minimum and average from continuous reporting; monthly maximum, minimum and average (calculated from daily averages). NDMW and SDMW levels measured only during quarterly sampling events as a single measurement. ^b - Field samples ^c - Composite and grab samples, as appropriate. One monthly injectate sample is required regardless of which injection well is used.

Refer to Table 1, Table 2, and above for the appropriate WACS testsite IDs to be used for reporting.

4. A laboratory analysis of the injectate for the Primary and Secondary Drinking Water Standards of Chapter 62-550, F.A.C., shall be submitted annually. The report of analysis shall be submitted in accordance with Specific Condition II.5 of this permit. See the attachment to this permit for the parameters.
 - a. For facilities permitted to inject domestic wastewater, the domestic wastewater annual sample results may be the same as submitted for the domestic wastewater program if taken within the last 12 months. Primary and Secondary Drinking Water Standards of Chapter 62-550, F.A.C., not included in the domestic wastewater annual sample requirements shall be included in the same sample or in a separate sample. If not required annually for the domestic wastewater program, a separate sample shall be taken and reported for this permit. The samples shall be composite and grab samples as appropriate for the domestic wastewater program. The permittee may choose to take a combined annual sample from multiple domestic waste streams if they are authorized for injection in this permit.
 - b. The report should be sent to the addresses in Specific Condition III.A.2
[62-528.425(1)(a), F.A.C.]
5. A specific injectivity test shall be performed annually on each injection well, with test data submitted along with the monitoring results of the injection and monitoring well data, for the month of record the test is performed in. *[62-528.430(2)(b) and (d), F.A.C.]*
6. Monitor well purging and field stabilization parameter measurement is required prior to the collection of laboratory samples for the MORs. The facility shall conduct the monitor well sampling following the monitor well sampling protocols specified in FS 2200-*Groundwater Sampling* in the DEP-SOP-001/01 Standard Operating Procedures for Field Activities. The results of the purging techniques and field stabilization parameters shall be provided on DEP Form FD 9000-24 or a similar alternative approved by the Department, and the completed forms shall be submitted to the Department with the MORs.
7. The Department will consider an alternate purging method meeting monitor well sampling protocol in DEP-SOP-001/01 FS 2200 *Groundwater Sampling* where the above procedure causes a hardship to the facility. The permittee shall request an alternate method and receive written Department approval before implementing it. *[62-160.210(1) and 62-528.430(2), F.A.C.]*
8. The flow from the monitor zones during well evacuation and sampling shall not be discharged to surface waters or aquifers containing an underground source of drinking water. Waters purged from monitor wells in preparation for sampling shall be diverted to the injection wellhead via the pad drainage system, wet well, or treatment plant. *[62-4.030 and 62-620.320, F.A.C.]*

IV. Abnormal Events

1. In the event the permittee is temporarily unable to comply with any of the conditions of a permit due to breakdown of equipment, power outages or destruction by hazard of fire, wind, or by other cause, the permittee of the facility shall notify the Northwest District office. *[62-528.415(4)(a), F.A.C.]*
2. Notification shall be made in person, by telephone, or by electronic mail (e-mail) within 24 hours from the time the permittee becomes aware of a breakdown or malfunction to the Northwest District office. *[62-528.307(1)(x), F.A.C.]*
3. A written report of any noncompliance referenced in Specific Condition Number IV.1 above shall be submitted to the Northwest District office and the APP Tallahassee office within five days after its occurrence. The report shall describe the nature and cause of the breakdown or malfunction, the steps being taken or planned to be taken to correct the problem and prevent its reoccurrence, emergency procedures in use pending correction of the problem, and the time when the facility will again be operating in accordance with permit conditions. *[62-528.415(4)(b), F.A.C.]*

4. Reporting Requirements

The permittee shall report to the Department's Northwest District 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 time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- 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 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.
- 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 **State Watch Office Toll-Free Number 800-320-0519**, as soon as

practical, 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
- 2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's Northwest District 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's Northwest District shall waive the written report.

[403.077(2)(d), F.S., 62-528.307(1)(e) and 62-528.307(1)(x), F.A.C.]

5. Pollution Notification

- a. In accordance with subsection 403.077, F.S., in the event of a reportable pollution release, an owner or operator of the installation at which the reportable pollution release occurs must provide to the department information reported to the State Watch Office within the Division of Emergency Management pursuant to any department rule, permit, order, or variance, within 24 hours after the owner's or operator's discovery of such reportable pollution release. The Department's Pollution Notice website is at <https://floridadep.gov/pollutionnotice>.
- b. If multiple parties are subject to the notification requirements based on a single reportable pollution release, a single notification made by one party in accordance with this section constitutes compliance on behalf of all parties subject to the requirement. However, if the notification is not made in accordance with this section, the department may pursue enforcement against all parties subject to the requirement.

- c. If, after providing notice pursuant to paragraph (a), the owner or operator of the installation determines that a reportable pollution release did not occur or that an amendment to the notice is warranted, the owner or operator may submit a letter to the department documenting such determination.
- d. If, after providing notice pursuant to paragraph (a), the installation owner or operator discovers that a reportable pollution release has migrated outside the property boundaries of the installation, the owner or operator 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.

[403.077(2)(d), F.S., 62-528.307(1)(e) and 62-528.307(1)(x), F.A.C.]

V. Emergency Disposal

1. All applicable federal, state and local permits must be in place to allow for any alternate discharges due to emergency or planned outage conditions. *[62-528.415(4)(c)1, F.A.C.]*
2. Any proposed changes in emergency disposal methods shall be submitted to the Northwest District office and the APP Tallahassee office for review and approval prior to implementation. *[62-528.415(4)(c), F.A.C.]*
3. The emergency disposal method must be fully operational in the event of planned or emergency outages of the injection well system. *[62-528.415(4)(c)2, F.A.C.]*

VI. Financial Responsibility

1. The permittee shall maintain at all times the financial resources necessary to close, plug, and abandon the injection and associated monitor wells. *[62-528.435(9), F.A.C.]*
2. The permittee shall annually review the cost estimate for plugging and abandonment. Upon the occurrence of the plugging and abandonment cost estimate exceeding, by 10 percent or more on an annual basis, the cost estimate upon which the current financial responsibility is based, the permittee shall submit to the Department certified financial documentation necessary to amend, renew, or otherwise replace the existing financial responsibility pursuant to Rule 62-528.435(9)(b), F.A.C. and the conditions of this permit. *[62-528.435(9)(b), F.A.C.]*
3. In the event that the mechanism used to demonstrate financial responsibility should become insufficient or invalid for any reason, the permittee shall notify the APP Tallahassee office in writing within 14 days of such insufficiency or invalidation. The permittee shall within 90 days of said notification submit to the APP Tallahassee office for approval new financial documentation certifying either the remedy of current financial insufficiency or resolution of the financial instrument invalidation to comply with Rule 62-528.435(9)(b), F.A.C, and the conditions of this permit. *[62-528.435(9)(b), F.A.C.]*

General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are "permit conditions" and are binding and enforceable pursuant to section 403.141, F.S. *[62-528.307(1)(a), F.A.C.]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action. *[62-528.307(1)(b), F.A.C.]*
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit. *[62-528.307(1)(c), F.A.C.]*
4. This permit conveys no title to land, 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. *[62-528.307(1)(d), F.A.C.]*
5. This permit does not relieve the permittee from liability for harm to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties there from; 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. *[62-528.307(1)(e), F.A.C.]*
6. The permittee shall 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, or are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules. *[62-528.307(1)(f), F.A.C.]*
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under conditions of this permit;

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- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
 - d. Reasonable time will depend on the nature of the concern being investigated. *[62-528.307(1)(g), F.A.C.]*
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent the recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit. *[62-528.307(1)(h), F.A.C.]*
9. 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 where such use is proscribed by sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules. *[62-528.307(1)(i), F.A.C.]*
10. The permittee 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. *[62-528.307(1)(j), F.A.C.]*
11. This permit is transferable only upon Department approval in accordance with rules 62-4.120 and 62-528.350, F.A.C. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department. *[62-528.307(1)(k), F.A.C.]*
12. This permit or a copy thereof shall be kept at the work site of the permitted activity. *[62-528.307(1)(l), F.A.C.]*
13. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records shall be extended automatically unless the Department determines that the records are no longer required.

- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - 1) The date, exact place, and time of sampling or measurements;
 - 2) The person responsible for performing the sampling or measurements;
 - 3) The dates analyses were performed;
 - 4) The person responsible for performing the analyses;
 - 5) The analytical techniques or methods used;
 - 6) The results of such analyses.
- d. The permittee shall furnish to the Department, within the time requested in writing, any information which the Department requests to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- e. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

[62-528.307(1)(m), F.A.C.]

- 14. All applications, reports, or information required by the Department shall be certified as being true, accurate, and complete. *[62-528.307(1)(n), F.A.C.]*
- 15. Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each scheduled date. *[62-528.307(1)(o), F.A.C.]*
- 16. Any permit noncompliance constitutes a violation of the Safe Drinking Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *[62-528.307(1)(p), F.A.C.]*
- 17. 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. *[62-528.307(1)(q), F.A.C.]*
- 18. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. *[62-528.307(1)(r), F.A.C.]*
- 19. This permit may be modified, revoked and reissued, or terminated for cause, as provided in 40 C.F.R. sections 144.39(a), 144.40(a), and 144.41 (1998). The

filing of a request by the permittee for a permit modification, revocation or reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition. *[62-528.307(1)(s), F.A.C.]*

20. The permittee shall retain all records of all monitoring information concerning the nature and composition of injected fluid until five years after completion of any plugging and abandonment procedures specified under rule 62-528.435, F.A.C. The permittee shall deliver the records to the Department office that issued the permit at the conclusion of the retention period unless the permittee elects to continue retention of the records. *[62-528.307(1)(t), F.A.C.]*
21. All reports and other submittals required to comply with this permit shall be signed by a person authorized under rules 62-528.340(1) or (2), F.A.C. All reports shall contain the certification required in rule 62-528.340(4), F.A.C. *[62-528.307(1)(u), F.A.C.]*
22. The permittee shall notify the Department as soon as possible of any planned physical alterations or additions to the permitted facility. In addition, prior approval is required for activities described in rule 62-528.410(1)(h). *[62-528.307(1)(v), F.A.C.]*
23. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or injection activity which may result in noncompliance with permit requirements. *[62-528.307(1)(w), F.A.C.]*
24. The permittee shall report any noncompliance which may endanger health or the environment including:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water; or
 - b. Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

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 5 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; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
[62-528.307(1)(x), F.A.C.]

Issued this (Day) day of (Month) 2026
State of Florida
Department of Environmental Protection

Draft 1

Permittee: Kevin Heisel, Senior Site Director
Ascend Performance Materials
Ascend Performance Materials Operations

UIC Permit Number: 0001150-013-015-UO/1I
WACS Facility ID: 2222
Date: August 21 2026

Richard Lobinske, Ph.D.
Environmental Administrator
Underground Injection Control
Aquifer Protection Program
Division of Water Resource Management

DRAFT

Amended Fact Sheet

Ascend Performance Materials Operations, LLC.

Pensacola Plant

Class I

Permit Number: : 0001150-013-015-U0/11

WACS ID: 2222

August 21, 2026

Operation permit for the Ascend Performance Materials Operations, LLC. Class I injection wells IW-A, IW-B, IW-C and five single-zone monitor wells SMW-1, SMW-2, SMW-3, NDMW and SDMW.

1. General Information

A. Statutory Basis for Requiring / Issuing Permit

The Department of Environmental Protection (Department) has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.), and the rules adopted thereunder. The project is not exempt from permitting procedures. The Department has determined that an Underground Injection Control permit is required for the project.

B. Name and Address of Applicant

Kevin Heisel
Senior Site Director
Ascend Performance Materials Operations, LLC.
P.O. Box 97
Gonzalez, Florida 32560-0097
kheise@AscendMaterials.com

Facility Location

Ascend Performance Materials Operations LLC.
3000 Old Chemstrand Rd
Cantonment, Florida 32533-8900
Escambia County

C. Description of Applicant's Operation

To operate three non-hazardous Class I injection wells (IW-A, IW-B, IW-C) and associated monitor wells (SMW-1, SMW-2, SMW-3, NDMW, SDMW) for the disposal of wastewater from the Ascend Performance Materials Pensacola Operations Plant. The injected wastewater results primarily from synthetic fibers and organic chemicals manufacturing. Wastewater is also generated from other activities, including laboratory, maintenance, and utility operations, cooling tower blowdown, chilled water blowdown, boiler blowdown, steam condensate, air conditioning condensate, stormwater, firewater that has the potential to contact plant chemicals, wash/cleanout wastewater, domestic wastewater plant effluent, incidental releases within the manufacturing facilities of plant process materials that are currently managed by the wastewater deep well injection system, and neutralized wastewater from Cerex Advanced Fabrics, Inc. Wastewater treatment consists of the use of anhydrous ammonia to control pH levels. The maximum injection rate for injection well IW-A shall be 1,200 gallons per minute (gpm) and the maximum injection volume for IW-A shall be 1.73 million gallons per day (mgd). The maximum injection rate for injection wells IW-B and IW-C shall be 1,400 gpm per injection well and the maximum injection volume

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for IW-B and IW-C shall be 2.01 mgd each for these two injection wells. The combined maximum permitted injection rate for the facility shall 2,800 gpm for routine operation and 3,600 gpm under specific circumstances. Injection well IW-A is constructed with a 12.75-inch diameter steel casing set to 1,390 feet below land surface (bls) and a 6.625-inch diameter stainless steel tubing set to 1,386 feet bls with a fluid-filled annulus, and a total depth of 1,808 feet bls. Injection well IW-B is constructed with a 10-inch diameter steel casing set to 1,415 feet bls and a 6.625-inch diameter stainless steel tubing set to 1,406 feet bls with a fluid-filled annulus, and a total depth of 1,654 feet bls. Injection well IW-C is constructed with a 10-inch diameter steel casing set to 1,386 feet bls and a 6.625-inch diameter stainless steel tubing set to 1,392 feet bls with a fluid-filled annulus, and a total depth of 1,664 feet bls. The injection zone is classified as G-IV Aquifer as defined in Rule 62-520.410 F.A.C. Monitor well SMW-1 is completed in the Upper Floridan Aquifer from 973 to 1,140 feet bls. Monitor well SMW-2 is completed in the Upper Floridan Aquifer from 1,088 to 1,138 feet bls. Monitor well SMW-3 is completed in the Upper Floridan Aquifer from 968 to 1,172 feet bls. Monitor well NDMW is completed in the Lower Floridan Aquifer from 1,340 to 1,523 feet bls. Monitor well SDMW is completed in the Lower Floridan Aquifer from 1,430 to 1,596 feet bls.

D. Permitting History of this Facility

1. March 25, 1963: Originally permitted in accordance with Florida State Board of Health, Bureau of Sanitary Engineering permit 17-4-63 issued to The Chemstrand Company. Construction of two injection wells "A" and "B" was completed in 1963 and 1964 respectively. Injection begins.
2. October 15, 1981: Florida Department of Environmental Regulation permit number IC17-47827 issued to Monsanto Company authorizing the construction of a third injection well. Construction of injection well "C" completed April 5, 1982.
3. December 2, 1982: Florida Department of Environmental Regulation permit number UD17-55414 authorizing the operation of injection wells "A", "B", and "C" with a total capacity of 2,400 gpm and a maximum injection pressure at the well head no greater than 200 psi. Specific conditions of the permit required that the total pressure not exceed the maximum allowable stress of the materials used to construct the injection well. Permit required quarterly and semi-annual monitor well sampling frequencies.
4. May 8, 1990: Florida Department of Environmental Regulation Permit Number UO17-140112 issued renewing the existing operating permit.
5. November 17, 1997: Permit transfer 0001150-003-UO/TO transferring ownership from Monsanto Company to Solutia Inc.
6. November 30, 1999: Minor modification number 0085756-004-006 rerating the facility injection rate from 2,400 gpm to 3,600 gpm total for the three injection wells and for each injection wells IW-B and IW-C to operate at a maximum of 1,400 gpm.
7. October 30, 2000: Operating permit 85756-001-UO/11 issued to Solutia Inc. authorizing operation of injection wells IW-A, IW-B, and IW-C allowing a maximum rate of 1,400 gpm for each injection well and a total injection rate of up to 3,600 gpm for the facility "as reasonably necessary in emergency circumstances."

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8. September 4, 2001: Minor permit modification 0085756-009-UO/MM issued for the replacement of the injection well annulus monitoring systems. Replacement of the system occurred during the winter of 2001-2002.
9. September 1, 2009 Permit transfer 0001150-007-UO/TO transferring ownership from Solutia, Inc. to Ascend Performance Materials LLC.
10. December 28, 2011: Operation permit renewal 0001150-008-UO/1I issued issued to Ascend Performance Materials, LLC authorizing operation of injection wells IW-A, IW-B, and IW-C allowing a total injection rate of 2,800 gpm total for the facility and maintaining a maximum rate of 1,400 gpm for wells IW-B and IW-C and 1,200 gpm for IW-A.
11. January 30, 2017: Operation permit renewal 0001150-010-012-UO/1I issued.

E. Current Renewal Application Permitting Timeline

1. November 24, 2021: Ascend Performance Materials, LLC, submitted permit renewal application. The permit renewal application was considered a timely submittal allowing the applicant to continue operation under the existing operation permit.
2. June 27, 2024: Department issued the Notice of Draft Permit.
3. July 5, 2024: Notice of Draft Permit published in the Pensacola News Journal.
4. July 8, 2024: Department received public comment on the draft permit and a request public meeting.
5. February 24, 2025: Department received Leak Notification and Repair Plan for Injection Well A.
6. March 10, 2025: Department received Mechanical Integrity Testing (MIT) Plan and a request extension for injection well IW-A due to repair.
7. March 13, 2025: Department issued MIT Plan Approval.
October 23, 2025: Department approved MIT for IW-B and IW-C.
8. November 19, 2025: IW-A well workover operations began.
9. March 17, 2026: IW-A well workover operations completed.
10. April 24, 2026: Department received 2026 Post-workover, Mechanical Integrity, and Ambient Reservoir Test Report for Well IW-A.
11. May 15, 2026: Department approved MIT for IW-A.
12. May 26, 2026: Department received permit renewal application addendum.

F. Documents Used in Permitting Process

1. Gulf Coast Environmental & Engineering, Inc. "2021 Permit Renewal Application for Class I Injection Well System," dated November 18, 2021. Application was received November 24, 2021.
2. Subsurface Technology, Inc. "3600 GPM Injection Test: Injection Wells A, B and C, Solutia Inc.," dated June 10, 1999.
3. Gulf Coast Environmental & Engineering, Inc. "2020 Five-Year Mechanical Integrity Testing and Cavity Development Monitoring of Injection Wells A, B, and C.," dated October 1, 2020.
4. U.S. Geological Survey, correspondence from Jack C. Rosenau, USGS Tallahassee Subdistrict Chief to C.P. Neiswender, Jr, Monsanto Company, dated December 16, 1969.

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5. Shannon and Wilson, Inc. "Evaluation of Cavity Development and Stability, Injection Well System, Wells A, B, and C, Pensacola, Florida: Report W-3643-03" prepared for Monsanto Textiles Company, Pensacola Florida, dated September 2, 1982.
6. Subsurface Technology, Inc. "2005 Revised Well Data Book: Information Common to All Wells, Solutia Inc. (Formerly Monsanto Company)," dated July 1, 2005.
7. Subsurface Technology, Inc. "Injection Test Injection Wells A, B, and C. Solutia Inc.," dated June 10, 1999.
8. Ascend Performance Materials "Operations and Maintenance Manual: Underground Injection Control Facility Class I Injection Well System," revised October 2022.
9. Florida Department of Environmental Protection "First Request for Additional Information: Ascend Performance Materials Operations Application 0001150-013-015-UO/11," dated June 27, 2022.
10. Ascend Performance Materials "RAI Response: Ascend Performance Materials Operations Application 0001150-013-015-UO/11," dated October 21, 2022.
11. Florida Department of Environmental Protection "Supplemental Request for Additional Information: Ascend Performance Materials Operations Application 0001150-013-015-UO/11," dated February 1, 2023.
12. Ascend Performance Materials "Supplemental RAI Response: Ascend Performance Materials Operations Application 0001150-013-015-UO/11," dated May 4, 2023.
13. Gulf Coast Environmental & Engineering, Inc. "2025 Five-Year Mechanical Integrity Testing and Cavity Development Monitoring OF Injection Wells B and C", dated October 13, 2025.
14. Geostock Sandia, "2026 Post-workover, Mechanical Integrity, and Ambient Reservoir Test Report for Well "A", dated April 24, 2026.
15. Ascend Performance Materials "Permit Renewal Application Addendum for UIC Permit No. 01150-010-012-UO/11," dated May 20, 2026 and received by the Department May 26, 2026.

2. Reasons Permit was Issued, Derivation of Decision

A. Public Meeting

In anticipation of public interest in the permit, the Department will hold a public meeting.

B. Draft Permit Comments

The draft permit was issued on June 27, 2024, and was noticed in the Pensacola News Journal on July 5, 2024. Healthy Gulf, a Louisiana-based environmental advocacy organization submitted a public comment on July 8, 2024. Healthy Gulf also requested a public meeting be held. A second public comment was received from a private citizen. The comments involved reporting on the U.S. EPA annual reporting of Toxic Release Inventory, and a lawsuit involving the previous owners of the Ascend facility, Solutia.¹ The toxic release inventory simply lists chemicals and quantities released. The report is not related in any way to health or environmental standards, nor does it indicate that the method of disposal is improper. As a class I industrial disposal well, the well may inject these types.

¹ The case was decided on final summary judgment was in favor of the defendants (Solutia).

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Expecting an addendum or modification to the draft permit, based on necessary repairs the applicant requested the Department hold from further processing until the repairs were completed. On May 26, 2026, the Applicant submitted an addendum demonstrating all repairs were completed.

C. Area of Review (Rule 62-528.440(6), Florida Administrative Code (F.A.C.))

The facility is located at the intersection of State Road 292 and 297 (Old and New Chemstrand Roads) at latitude 30°35'37" N and longitude 87°14'15" W. Wells located within a three-mile radius from the injection facility were located on a map and the well information listed. There were no wells identified that were not properly completed or plugged within the three-mile area of review. There were no mines or springs located within the three-mile area of review. *See Document Number 15, Section 4.1 and 4.2 Above.*

D. Mechanical Integrity Demonstration (Rule 62-528.300(6), F.A.C.)

The packer in injection well IW-A is a Delta P Model 12, which is constructed of 316 stainless steel. The packers in injection wells IW-B and IW-C are Brown Oil Tools Type "D", which are constructed of 304L stainless steel and have Teflon butyl seals. IW-A, IW-B, and IW-C constructed with 6.625-inch outside diameter Type 304 L stainless steel tubing with a thickness of 0.28-inch. The limiting pressure has been based on the collapse rating of the 10-inch, stainless steel Schedule 5 packing gland which seals the 6-inch injection tube entry to the annulus. *See Document Number 10 Exhibit 1 and 14 Above.*

The bursting pressure of the injection tubing has been calculated at 1,231 psi, assuming a void annulus. This is more pressure than can be achieved with the facilities injection pumps that are rated for 300 psi. *See Document Number 6, Section 5.4.1 Above.*

The injection system is protected by an early warning Well Annulus Monitoring System (WAMS) which monitors the annular space between the injection tubing and casing. The annular space is filled with a pressurized liquid. Pressure is controlled by a nitrogen gas in a pressurized WAMS fluid supply tank at each well. If the WAMS fluid supply tank level becomes high or low, an alarm is sounded in the central control room and the injection well is automatically shut down. *See Document Number 6, Section 7.2.3 Above.*

Annular pressure tests were conducted in accordance with 62-528.300(6)(e) specifications which state "the pressure used to test wells constructed using tubing and packer shall not exceed the design specifications of the tubing and packer."

Mechanical Integrity Testing (MIT) was last conducted on IW-A during March 24, 2026, IW-B during May 7, 2025, and IW-C on June 18, 2025.

The next MIT for injection well IW-A is due on June 21, 2030. The next MIT for injection well IW-B is due on May 6, 2030. The next MIT for injection well IW-C is due on June 17, 2030.

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Injection Well IW-A

Diagnostic testing conducted in January 2025 confirmed a potential inward leak of methane from the surrounding formation. A notification of intent to conduct maintenance and repair of injection well “IW-A” was provided by Ascend to the FDEP on February 24, 2025.

Approval of the proposed work plan and contractor was granted by the FDEP on May 1, 2025. Notification of the start of the workover operations was provided by Ascend to the FDEP on November 6, 2025. Diagnostic logging was conducted on January 28 to 29, 2025. Horizontal noise activity increased above the liner top at 872 feet suggesting to the permittee possible fluid entry from behind the casing into the tubing-casing annulus through the liner top. Taken together, the GAPS/RAS interpretation from the permittee’s consultant suggests flow is behind the 12-inch liner starting at approximately 1,170 feet, entering the tubing-casing annulus through the liner lap. Remedial work was conducted during the period of November 3 to 10, 2026, and included the addition of a leak sealant to the tubing-casing annulus to affect a repair to the potential casing leak. Workover operations to repair injection well “IW-A” were conducted during the period of November 19, 2025 to March 17, 2026, and included removal of the existing injection tubing and packer and casing inspection to determine the inward leak area, followed by a cement squeeze of the inward leak area, and installation of a new 9-5/8-inch liner set from surface to 1,374.5 feet. A new injection packer and tubing string were installed following the installation of the liner.

Annular Pressure Test Date: March 24, 2026

Starting Pressure: 208.91 psi

Test Duration: one hour.

Results: 0.20 percent decrease in pressure to 208.49 psi.

Maximum Operating Pressure: 200 psi (based on U.S. Geological Survey recommendations. *See Document Number 14 and 6 Section, 5.3.1 Above*).

Pressure loss was within the 5 percent allowed by the Department for the test. *See Documents Numbers 1 and 14 Above*.

A sonar caliper log was completed on March 24, 2026, to determine the borehole radius and detect changes in cavity size with time. Results of the periodic surveys are compared to estimate the rate of cavity growth and the anticipated time for the cavity to grow to a diameter of 20-feet. The cavity maximum radius encountered was 7.72 feet at a depth of 1,521.4 feet bls. Prior to the well workover conducted in 2026, the bottom of the injection tubing was blocked by steel straps that were welded on the tubing during well construction. The strap at the bottom of the tubing prevented geophysical logging tools to be able to extend below the bottom of the tubing into the open hole of the injection well. A sonar caliper log has never been conducted on injection well IW-A until March 24, 2026. *See Document Number 6, Section 8.3.2 Above and 14.*

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Radioactive Tracer and Temperature Surveys were successfully completed on March 26, 2026 and May 24, 2026, respectively. A mechanical caliper log was completed on March 25, 2026. The test demonstrated no fluid movement into an underground source of drinking water through channels adjacent to the well bore.

Injection Well IW-B

Annular Pressure Test Date: May 7, 2025

Starting Pressure: 175.15

Test Duration: one hour.

Results: 4.6 percent decrease in pressure to 167.07 psi.

Maximum Operating Pressure: 200 psi (based on packer seal limitations and U.S. Geological Survey recommendations. *See Documents Numbers 4 and 6 Section, 5.3.1 Above*).

Pressure loss was within the 5 percent allowed by the Department for the test. *See Documents 1 and 3.*

Radioactive Tracer and Temperature Surveys were successfully completed on May 13, 2025.

A sonar caliper log was completed on May 7, 2025 to determine the borehole radius and detect changes in cavity size with time. Results of the periodic surveys are compared to estimate the rate of cavity growth and the anticipated time for the cavity to grow to a diameter of 20-feet. The cavity maximum radius encountered was 6.1 feet at a depth of 1,431 feet bls. *See Document Number 13 Above.*

The twenty-foot criterion is based on the “critical size” calculated by Shannon and Wilson, Inc. 1982 at which a cavity beneath the Bucatunna Clay would compromise the structural integrity of the overlying clay aquiclude. *See Document Number 5 Above.*

The mechanical integrity test demonstrated no fluid movement into an underground source of drinking water through channels adjacent to the well bore.

Injection Well IW-C

Annular Pressure Test Date: June 18, 2025

Starting Pressure: 183.79 psi

Test Duration: one hour.

Results: <0.1 percent decrease in pressure to 183.48 psi.

Maximum Operating Pressure: 200 psi (based on packer seal limitations and U.S. Geological Survey recommendations. *See Documents Numbers 13 and 6 Section, 5.3.1 Above*).

Pressure loss was within the 5 percent allowed by the Department for the test. *See Documents Numbers 1 and 13 Above.*

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Radioactive Tracer and Temperature Surveys were successfully completed on May 14, 2025.

A sonar caliper log was completed on May 16, 2025, to determine the borehole radius and detect changes in cavity size with time. Results of the periodic surveys are compared to estimate the rate of cavity growth and the anticipated time for the cavity to grow to a diameter of 20-feet. The cavity maximum radius encountered was 7.4 feet at a depth of 1,529 feet bls. *See Document Number 13 Above.*

The twenty-foot criterion is based on the “critical size”, calculated by Shannon and Wilson, Inc. 1982 at which a cavity beneath the Bucatunna Clay would compromise the structural integrity of the overlying clay aquiclude. *See Document Number 5 Above.*

The mechanical integrity test demonstrated no fluid movement into an underground source of drinking water through channels adjacent to the well bore. *See Documents Numbers 1, 4, 5, and 13 Above.*

The monitor well physical/chemical (pressure/water quality) data does not indicate movement of fluids out of the injection zone. *See Documents Numbers 2 and 13 Above.*

E. Confinement (Rule 62-528.405(2), F.A.C.)

The Bucatunna Clay member provides a 220 ft thick layer of confinement between the lowest Underground Source of Drinking Water (USDW), which is located at the base of the upper Floridan aquifer which occurs at a depth of 1,500 feet bls, and the injection zone which is located in the lower Floridan aquifer. There is no USDW in the Bucatunna Clay member. The confinement at this site is approximately 231 feet thick and occurs between approximately 1,500 and 1,731 feet below land surface (bls). *See Documents Numbers 1 and 6, Figure 2.1 Above.*

F. Underground Source of Drinking Water (Rule 62-528.405(1)(a), F.A.C.)

The base of the lowest USDW (10,000 mg/l total dissolved solids (TDS) interface), is located in the upper Floridan aquifer at a depth of approximately 1,500 feet bls. The Bucatunna Clay member provides the confinement between the base of the USDW and the injection zone. There is no USDW in the Bucatunna Clay member.

See Documents Numbers 1, and 2 Above.

G. Injection Zone Testing (Rule 62-528.405(2)&(3), F.A.C.)

Performed through water quality testing, formation sampling, geophysical logs (caliper, density, and neutron logs) and long- and short-term injection testing. The U.S. Geological Survey calculated that the maximum safe injection pressure at the top of the injection zone at the facility would require the well head pressure limit to be 230 psi. An injection test was conducted on each of the injection wells in March 1999. Each test was conducted for 45 hours with an average flow rate of 1,201 gpm. The transmissivity of the injection zone as estimated to be 850 feet² /day. The injection zone occurs in the Ocala Limestone from 1,370 to 1,730 feet bls. *See Documents Numbers 1 and 2 Above.*

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H. Well Construction

Table 1

Injection Wells

Well Name	WACS Testsite ID	Well Depth (Feet bls)	Casing Size ^a (Inches)	Casing or Tubing Type	Casing Depth or Interval (Feet bls)
IW-A	5311	1,808	24	Steel	86
			18	Steel	982
			12.75	Steel	872 – 1,390
			9.625	Steel ^b	0-1,309.5
			9.625	Stainless Steel ^b	1,309.5 – 1,374.5
			6.625 (6 5/8)	Stainless Steel	1,385
			Open Hole		1,390 – 1,808
IW-B	5312	1,654	16	Steel	110
			10	Steel	1,415
			6.625 (6 5/8)	Stainless Steel	1,406
			Open Hole		1,415 – 1,654
IW-C	5313	1,664	30	Steel	106
			18	Steel	1,190
			10	Steel	1,386
			6.625 (6 5/8)	Stainless Steel	1,392
			Open Hole		1,392 – 1,664

Injection Well Notes: Constructed with a fluid-filled annulus and cemented to land surface.

^aAll sizes in outside diameter or nominal size. ^b Liner installed during well workover in 2026.

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Table 2

Monitor Wells

Well Name	WACS Testsite ID	Monitor Zone	Casing Size ^a (Inches)	Casing Type	Casing Depth (Feet bls)	Monitoring Depth (Feet bls)
SMW-1	8836		8	Steel	973	
		Upper Zone	Open Hole			973 – 1,140
SMW-2	8880		10.75 (10 ¾)	Steel	1,088	
		Upper Zone	Open Hole			1,088 – 1,138
SMW-3	9059		10.75	Steel	968	
		Upper Zone	Open Hole			968 – 1,172
NDMW	8881		16	Steel	100	
			8	Steel	1,340	
		Lower Zone	Open Hole			1,340 – 1,523
SDMW	8835		16	Steel	100	
			8	Steel	1,430	
		Lower Zone	Open Hole			1,430 – 1,596

Monitor Well Notes: ^aAll sizes in outside diameter or nominal size. Four of the monitor wells are equipped with 0.75-inch diameter stainless steel sampling tubes to facilitate sample collection. The sample tubes were set at the following depths in feet below land surface: SMW-1 (1,120); SMW-2 (1,120); NDMW (1,360); and SDMW (1,450).

I. Monitor Plan (Rule 62-528.425(1), F.A.C.)

This site is a manufacturing facility. Federal laws require the facility to report the fluids disposed in the injection well to the EPA Toxic Release Inventory.

Since 1985, the pH of the combined wastewater stream has been continuously kept above 2.0 standard pH units by a control system that measures the wastewater stream pH and controls it with anhydrous ammonia. Modifying the pH of the dilute stream of nitric acid to a pH of above 2.0 is accomplished by adding anhydrous ammonia (a weak base) to eliminate the corrosivity characteristic of the wastewater stream. This raises the pH of the wastewater allowing it to be classified as non-hazardous. The addition of anhydrous ammonia to the nitric acid results in a small amount of heat and the formation of ammonium nitrate. The ammonium nitrate causes detections of nitrates in the injectate. *See Document Number 8, Page 2 Above.*

There are five (5) existing monitor wells at the facility.

NDMW (Waldorf Lake) is located 1.9 miles north of the facility. SDMW (Clear Creek) is located 1.6 miles south of the facility. Monitor wells NDMW and SDMW monitor the lower Floridan aquifer from approximately 1,400-1,550 feet bls (Ocala Group).

The other three wells monitor the upper Floridan aquifer from approximately 1,000-1,140 feet bls (Chickasawhay and Tampa Formation, undifferentiated). SMW1 is located 100 feet east of IW-A. SMW2 is located 70 feet northeast of IW-C. SMW3 is located 70 feet south of IW-B.

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Groundwater quality monitoring data collected since 1963 indicates the system is operating as designed. *See Documents Numbers 1 and 2 above.*

Ground water from the monitor zones is analyzed monthly, quarterly and semiannual for chemical parameters. Monitor well water levels are recorded daily. See Rules 62-528.425(1)(e) and (g) and 62-528.430(2)(b)1.d., F.A.C.

The pressure of the monitor zones is monitored continuously. See Rules 62-528.425(1)(e) and (g) and 62-528.430(2)(b)1.d., F.A.C.

Injection well monitoring includes daily injection volume, flow rate, injection and annular pressure. Pressure and flow are monitored continuously for the injection wells. Annual specific injectivity and pressure fall off testing is also required. See Rules 62-528.425(1)(b) and 62-528.430(2)(b)1.b. and c., F.A.C.

The effluent is analyzed monthly for chemical parameters. See Rules 62-528.425(1)(a) and 62-528.430(2)(b)1.a. and 2.b, F.A.C.

J. Financial Responsibility (Rule 62-528.435(9) and 62-528.455(3)(b)8 and (3)(c)3, F.A.C.)

Financial assurance provided by surety bond. See Document Number 15 attachment 4.8 Above.

K. Emergency Discharge_(Rule 62-528.455(1)(d), F.A.C.)

No onsite emergency discharge is approved for this facility. The facility will cease operations if all injection wells are out of service. Since the injection system normally operates with only two of the three wells operating at any time, normal operation of the system will not be impaired if one well cannot be used. *See Documents Numbers 1 and 15 Above.*

3. Agency Action

A draft permit will be issued as per Rule 62-528.310, F.A.C.

4. Public Rights

Public notice of this draft permit will include the details of a public meeting, or will state that any interested person may request a public meeting within 30 days of the public notice. A request for a public meeting shall be in writing and shall state the nature of the issues proposed to be raised at the meeting. If a public meeting is later scheduled, there will be another 30-day notice period for that meeting. Any interested person may submit written comments on the draft permit within 30 days of the public notice or through the public meeting date, as appropriate. Written comments or a public meeting request may be submitted to the Department of Environmental Protection, Aquifer Protection Program, 2600 Blair Stone Road, MS 3530, Tallahassee, Florida 32399-2400. All comments received within the 30-day period and through the public meeting date will be considered in formulation of the Department's final decision regarding permit issuance.

After the conclusion of the public comment period and public meeting described above the Department may revise the conditions of the permit based on such public comment. Then the

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applicant will publish Notice of the Proposed Agency Action. A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing). Accordingly, the Department's final action may be different from the position taken by it in the Notice of the Proposed Agency Action. The petition must conform to the requirements specified in the Notice and be filed (received) within 14 days of publication of the Notice in the Office of General Counsel, M.S. 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000. The failure of any person to file a Petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative (hearing) under Section 120.569 and Section 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will only be at the discretion of the presiding officer upon filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

The application, draft permit, and fact sheet are available for public inspection during normal business hours, 8 a.m. to 5 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Northwest District Office, 160 Government Street, Suite 308, Pensacola, Florida 32502-5740, and at the Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Any additional information concerning this project may be obtained by contacting James Dodson, Professional Geologist II, at 850-245-8653.

5. Agency Contact

James Dodson
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Aquifer Protection Program
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