



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTINEZ CENTER
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

SENT VIA ELECTRONIC MAIL

William G. Thiess
Director of Utilities
WThiess@FPUA.com

Fort Pierce Utilities Authority
206 South 6th Street
Fort Pierce, Florida 34950-3191

St. Lucie County UIC
Permit ID: [0171331-004-UO/1X](#)
WACS ID: [091852](#)

Henry Gahn Water Treatment Facility
Class I Injection Well
Operation Permit

NOTICE OF PERMIT

Enclosed is Permit 0171331-004-UO/1X to operate one non-hazardous Class I, industrial injection well, IW-1, with an associated dual zone monitor well, MW-1. IW-1 consists of an 18-inch outside diameter (OD) injection casing, with a 10¾-inch Red Box 1500 FRP injection tubing (9.94-inches OD, 8.85-inches ID) with a cement filled annulus. Under this permit, the maximum injection rate into the injection well shall not exceed 2.8 million gallons per day for injection well IW-1. The purpose of the well is for the disposal of concentrate from the reverse osmosis facility and up to 21,600 gallons per day of sodium chloride brine from the manufacture of sodium hypochlorite. The injection interval is in the "Boulder Zone" in the lower Oldsmar Limestone between 2676 feet below pad level (bpl) and the total depth of the injection well at 3045 feet bpl. The confinement of the injection zone from overlying underground source of drinking water (USDW) aquifers will be monitored by the dual zone monitoring well, MW-1. The upper monitor zone is between 1508 to 1557 feet bpl and is designed to monitor within, and near the base of the USDW. The lower monitor zone is between 1860 to 1910 feet bpl for the purpose of monitoring below the lowermost USDW.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

PERMITTEE: William G. Thiess, Director of Utilities
Fort Pierce Utilities Authority
Henry Gahn Water Treatment Facility

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Date: March 4, 2014

Executed in Leon County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

A handwritten signature in blue ink, appearing to read "Joseph Haberfeld", is written over a horizontal line.

Joseph Haberfeld
Aquifer Protection Administrator

PERMITTEE: William G. Thiess, Director of Utilities
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CERTIFICATE OF SERVICE

The undersigned designated clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on Tuesday, March 04, 2014, to the listed persons.

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



Clerk

March 4, 2014

Date

Copies Furnished To:

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RICK SCOTT
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Underground Injection Control Class I Injection Well System Operation Permit

Permittee:

Fort Pierce Utilities Authority (FPUA)

Responsible Official:

William G. Thiess, Director of Utilities
206 South 6th Street
Fort Pierce, Florida 34950-3191
WThiess@FPUA.com

Facility

Henry Gahn Water Treatment Facility
715 South 25th Street
Ft. Pierce, Florida 34982

Permit/Certification

Permit Number: 0171331-004-UO/1X
WACS ID: 091852
Date of Issuance: March 4, 2014
Date of Expiration: March 3, 2019
Permit Processor: Neil I. Campbell

Section/Township/Range: Sec 08 / 35S / 40E

Location

County: St. Lucie
Latitude: 27° 26' 43.7" North
Longitude: 80° 21' 4.4" West

Project: Class I Injection Well System

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and the rules adopted thereunder. 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 and made a part hereof and specifically described as follows.

TO OPERATE: One Class I, industrial injection well, IW-1, with alternate design, and an associated dual zone monitor well, MW-1. IW-1 consists of an 18-inch outside diameter (OD) injection casing, with a 10¾-inch Red Box 1500 FRP injection tubing (9.94-inches OD, 8.85-inches ID) with a cement filled annulus. Under this permit, the maximum injection rate into the injection well shall not exceed 10 feet per second or 2.8 MGD, for injection well IW-1. The purpose of the well is for the disposal of concentrate from the reverse osmosis facility. In addition to RO concentrate, the injection well may be used for the disposal of a sodium chloride brine from the manufacture of sodium hypochlorite. **The brine will be received via truck from Allied New Technologies and pumped directly into IW-1.** The injection interval is in the "Boulder Zone" in the lower Oldsmar Limestone between 2676 feet below pad level (bpl) and the total depth of the injection well at 3045 feet bpl. The confinement of the injection zone from

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overlying underground source of drinking water (USDW) aquifers and fluid movement adjacent to the wellbore of the injection well will be monitored by the dual zone monitoring well, MW-1. The upper monitor zone (UMZ) is between 1508 to 1557 feet bpl and is designed to monitor within, and near the base of the USDW. The lower monitor zone (LMZ) is between 1860 to 1910 feet bpl for the purpose of monitoring below the lowermost USDW.

IN ACCORDANCE WITH: The Application to Operate DEP Form No. 62-528.900(1) submitted October 18, 2013, with supporting documentation: Construction and Testing Summary Report and the Mechanical Integrity Testing Report, engineering drawings and hydrologic data, financial responsibility and addenda submitted to this agency.

LOCATION: FPUA Henry Gahn Water Treatment Facility, 715 South 25th Street, Ft. Pierce, Florida 34982, in the county of St. Lucie.

The injection and monitoring wells at this facility are designated as follows:

Injection Wells

<i>Well Name</i>	<i>WACS Effluent Testsite ID</i>	<i>Total Well Depth *</i>	<i>Casing Diameter (inches)</i>	<i>Casing or Tubing Type</i>	<i>Casing Depth or Interval*</i>
IW-1	09166	3045	44	Steel	49
			36	Steel	510
			28	Steel	1840
			18	Steel	2676
			10.75	FRP Tubing	2670
			Injection Zone		2676-3045

*Feet Below Land Surface

Monitoring Wells System

<i>Well Name</i>	<i>WACS Monitoring Well Testsite ID</i>	<i>Monitoring Zone</i>	<i>Casing Diameter (inches)</i>	<i>Casing Type</i>	<i>Casing Depth*</i>	<i>Monitoring Interval Depths*</i>
MW-1	020962A	Upper Zone	34	Steel	49	
			22	Carbon Steel	510	
			12.75	Steel	1508-1557	1508-1557
		Lower Zone	6.625	Fiberglass Epoxy	1860-1910	1860-1910
			Open hole		1910	

*Feet Below Land Surface

SUBJECT TO: Specific Conditions I-VI and General Conditions 1-24.

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Specific Conditions

I. GENERAL REQUIREMENTS

A. General

1. Only non-hazardous injectate as described in this permit and purge water from the on-site monitoring wells (associated with the injection well system) may be discharged into the injection wells. [62-528.400(1)]
2. The injection pressure at the wellhead shall be monitored and controlled at all times to ensure the maximum pressure at the wellhead does not exceed two-thirds of the most recent tested pressure on the final casing, final cemented tubing, or casing/tubing annular space, as applicable. The following table outlines wellhead pressures applicable at the time of permit issuance:

Well	Maximum Permitted Wellhead Pressure (psi)	Most Recent tested wellhead pressure at the time of issuance of this permit (psi)
IW-1	100	154 (7/11/2012)

At such time as the next pressure test is performed and a report for that test is submitted to and accepted by the Department, the maximum wellhead pressure allowable will become two-thirds of the tested pressure from the successive test. [62-528.300(6)(e)]

3. The flow to the injection wells at each wellhead shall be monitored and controlled at all times to ensure the maximum fluid velocity down the well during operation does not exceed the respective flow rate indicated below, and shall not exceed 10 feet per second except during planned testing, maintenance, or emergency conditions in which case the flow rate shall not exceed 12 feet per second [62-528.415(1)(f)]:

Well	Peak Flow Rate	
	GPM	MGD
IW-1	1944	2.8

4. 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)]
5. All equipment of this facility shall be operated and maintained so as to function consistently as designed in removing pollutants. The wastewater stream shall remain non-hazardous at all times. [62-528.307(3)(b) and 62-528.400(1)]
6. In the event a well must be plugged or abandoned, the permittee shall obtain a permit from the Department as required by Chapter 62-528, Florida Administrative Code. When no longer used for their intended purpose, these wells shall be properly

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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)]

7. 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)]
8. 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)]
9. The permittee shall provide written notice to the Department of the commencement of injection of brine from Allied New Technologies. The maximum volume of brine permitted shall be 21,600 gallons per day. [62-528.307(1)(m)]

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)]
2. The permittee shall demonstrate mechanical integrity at least once every five years during the life of each injection well. In the event operational or other data indicate a possible loss of integrity in an injection well, the 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: TV survey, pressure test, radioactive tracer survey (RTS), and temperature log. Mechanical integrity testing shall be run and completed prior to the following dates:

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Five-Year MIT	
Well Name	Required Completion Date
IW-1	7/10/2017

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

3. A plan describing the mechanical integrity procedures shall be submitted to the Department's Tallahassee and Southeast District offices for approval at least 90 days prior to the required completion date noted above. *[62-528.307(1)(m)4.]*
4. The Department's Southeast District office must be notified a minimum of seventy-two (72) hours prior to all testing for mechanical integrity on the injection wells. The testing procedure must be approved by the Department before testing begins. All testing must be initiated during daylight hours, Monday through Friday. An evaluation of all test results must be submitted with all test data. *[62-528.300(6)(f)]*
5. Pursuant to Rule 62-528.430(2)(b)2.a., F.A.C., the final MIT report for the demonstration of mechanical integrity for the injection wells shall be submitted to the Department's 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, UIC program, 61 Forsyth St. SW, Atlanta, GA 30303-8909. The final MIT report shall be prepared by a registered/certified Professional Engineer and/or Professional Geologist (as appropriate), and it shall address all tests noted in condition I.B.2 (including procedures followed, interpretations and results), and shall include a tabular presentation/graphical evaluation of monitoring well data over the previous 5-year period. If the well has failed any of the specified tests, the MIT report shall include a plan for corrective action for all discovered deficiencies. *[62-528.440(5)(b)]*

C. Surface Equipment

1. The integrity of the monitoring zone sampling systems shall be maintained at all times. Sampling lines shall be clearly and unambiguously identified by monitoring 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 monitoring 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)]*
2. The surface equipment for the each injection well disposing of domestic (municipal) effluent shall maintain compliance with Chapter 62-600.540(4), 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(4), 62-528.307(1)(f), and 62-528.307(3)(b)]*

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3. Injection wells not disposing of domestic (municipal) effluent shall maintain compliance with Chapter 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)]*
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)]*
5. Spillage onto the injection well pad(s) during construction activities, and any waters spilled during mechanical integrity testing, other 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(s). *[62-528.307(1)(f) and 62-528.307(3)(b)]*
6. The injection well pads shall be maintained and retained in service for the life of the injection wells. 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)]*
7. The surficial aquifer monitoring wells adjacent to the injection and monitoring wells shall be secured, maintained, and retained in service for subsequent sampling that may be needed (i.e., 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)]*

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 shall be submitted in writing to the Tallahassee office of the Underground Injection Control Program 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. *[62-528.100 and 62-4.050]*
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)]*
3. All water quality samples required by this permit shall be collected in accordance with the appropriate Department Standard Operation Procedures (SOP), pursuant to Chapter 62-160, Quality Assurance, Part II, Field Procedures, F.A.C. A certified laboratory shall

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conduct the analytical work, as provided by Chapter 62-160, Quality Assurance, Part III, Laboratory Certification and Procedures, F.A.C. 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 FDEP website at: <http://www.dep.state.fl.us/water/sas/sop/sops.htm>. [62-4.246 and 62-160]

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 records shall be calibrated using standard engineering methods. [62-528.307(1)(f) and 62-528.307(3)(b)]
5. All reports 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 reports 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)]

6. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Southeast District Office, 400 North Congress Avenue, 3rd Floor, West Palm Beach, Florida, 33401, as being more representative of ground water conditions. [62-520.310(5)]

III. TESTING AND REPORTING REQUIREMENTS

A. General

1. The permittee shall submit monthly to the Department the results of all injection well and monitoring 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 the certification and signature required in condition II.5.;
 - b. Operational and water quality data in a tabular format. The following identifying information must be included on each data sheet:
 - i. Facility Name

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- ii. Well Name
 - iii. UIC Permit Number
 - iv. WACS Facility ID
 - v. WACS Testsite ID (on appropriate data sheet) as provided on the Injection Well and Monitoring Well tables on page 2 of this permit.
- c. Laboratory pages and supporting documentation.
[62-528.307(3)(d)]

2. The report may be sent via electronic mail in Adobe™ (.pdf) format to the following Program e-mail addresses:

Southeast District Joseph.May@dep.state.fl.us
Tallahassee—UIC Program TAL_UIC@dep.state.fl.us

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

Southeast District 400 North Congress Avenue, 3rd Floor
West Palm Beach, Florida, 33401
Tallahassee—UIC Program 2600 Blair Stone Road, MS 3530
Tallahassee, Florida, 32399-2400

[62-528.307(3)(d)]

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B. Monitoring

- The injection system shall be monitored in accordance with Rules 62-528.425(1)(g) and 62-528.430(2), F.A.C. The following injection well performance data and monitor zone data shall be recorded and reported in the monthly operating report (MOR) as indicated below. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. [62-528.307(3)(d), 62-528.425(1)(g), and 528.430(2)]

PARAMETER	UNIT	RECORDING FREQUENCY	FREQUENCY OF ANALYSES	
			IW-1	MW-1 ^c
Flow Rate, max.	gpm	continuous	D/M ^a	
Flow Rate, min.	gpm	continuous	D/M ^a	
Flow Rate, avg.	gpm	continuous	D/M ^a	
Total Volume Injected	mg	daily/monthly	D/M ^a	
Injection Pressure, max.	psi	continuous	D/M ^a	
Injection Pressure, min.	psi	continuous	D/M ^a	
Injection Pressure, avg.	psi	continuous	D/M ^a	
Water Level or Pressure, max.	ft (NAVD) or psi	continuous		D/M ^a
Water Level or Pressure, min.	ft (NAVD) or psi	continuous		D/M ^a
Water Level or Pressure, avg.	ft (NAVD) or psi	continuous		D/M ^a
Temperature ^b	°C	Grab	M	M
pH ^b	std. units	Grab	M	M
Specific Conductivity ^b	µmhos/cm	Grab	M	M
Ammonia	mg/L	Grab	M	M
Chloride	mg/L	Grab	M	M
Gross Alpha	ρCi/L	Grab	Q	Q
Radium ^{226/228}	ρCi/L	Grab	Q	Q
Specific Conductance	mg/L	Grab	M	M
Sodium	mg/L	Grab	M	M
Total Dissolved Solids (TDS)	mg/L	Grab	M	M
Total Kjeldahl Nitrogen (TKN)	mg/L	Grab	M	M
Total Sulfate as SO ₄	mg/L	Grab	M	M

See injection well and monitoring well tables at beginning of permit for more information.

D - Daily; M - Monthly; Q - Quarterly

^a - Operational data reporting for flows, pressures and water levels: daily max, min and average from continuous reporting; monthly max, min and average (calculated from daily averages).

^b - Field samples

^c - Both the upper and lower monitor zones.

^d - Refer to the Tables on Pages 2 and 3 for the appropriate WACS test site IDs to be used for reporting.

- A pressure fall-off test shall be performed annually, with test data submitted along with the monitoring results of the injection and monitoring well data.
[62-528.430(2) (b) and (d)]
- Pertaining to the evacuation (purging) of monitoring wells, which is required prior to the collection of samples for the MORs, the facility may elect to follow either one of the following two purging protocols:

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a. The protocol stated below:

A minimum of three well volumes of fluid shall be evacuated from the monitoring systems prior to sampling for the chemical parameters listed above. Sufficient purging shall have occurred when either of the following has occurred:

- 1) pH, specific conductance and temperature when sampled, upon purging the third or subsequent well volume, each vary less than 5% from that sampled upon purging the previous well volume; or
- 2) Upon purging the fifth well volume.

b. The following protocol taken from DEP-SOP-001/01(Field Procedures):

- 1) Purge until the water level has stabilized (well recovery rate equals the purge rate), then purge a minimum of one well volume, and then collect the first set of stabilization parameters, namely pH, specific conductance and temperature;
- 2) Thereafter, collect stabilization parameters \geq every $\frac{1}{4}$ well volume;
- 3) Purging shall be complete when either of the following have occurred:
 - a) 3 consecutive readings of the parameters listed below are within the following ranges^[1]:
 - pH \pm 0.2 Standard Units
 - Specific Conductance \pm 5.0% of reading
 - Temperature \pm 0.2°C
 - b) Upon purging the fifth well volume.

[62-160.210(1) and 62-528.430(2)]

4. The flow from the monitoring 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 monitoring wells in preparation for sampling shall be diverted to the injection well head via the pad drainage system, wet well, or treatment plant. *[62-4.030, 62-620.320]*

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 Southeast District office. *[62-528.415(4)(a)]*
2. Notification shall be made in person, by telephone, or by electronic mail (e-mail) within 24 hours of breakdown or malfunction to the Southeast District office. *[62-528.307(1)(x)]*

^[1] Provided dissolved oxygen in the groundwater of the zone being monitored is \leq 20% of saturation for the measured temperature and turbidity is \leq 20 NTUs. This assumption holds true for groundwater in most zones of the Floridan aquifer.

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3. A written report of any noncompliance referenced in Specific Condition (1) above shall be submitted to the Southeast District office and the 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)]*

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]*
2. Any proposed changes in emergency disposal methods shall be submitted to the Southeast District Office and the Tallahassee office for review and approval prior to implementation. *[62-528.415(4)(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]*

VI. FINANCIAL RESPONSIBILITY

1. The permittee shall maintain at all times the financial resources necessary to close, plug, and abandon the injection and associated monitoring wells. *[62-528.435(9)]*
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. Documentation that the annual updates are being conducted shall be submitted thirty (30) months after the date of permit issuance. *[62-528.435(9)(b)]*
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 Department's Tallahassee office in writing within 14 days of such insufficiency or invalidation. The permittee shall within 90 days of said notification submit to the Department's Tallahassee office for approval new financial documentation certifying either the remedy of current financial insufficiency or resolution of the financial instrument invalidation in order to comply with Rule 62-528.435(9)(b), F.A.C, and the conditions of this permit. *[62-528.435(9)(b)]*

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Class I, Injection Well

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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)]
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)]
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)]
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)]
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)]
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)]
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;
 - 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.

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d. Reasonable time will depend on the nature of the concern being investigated.

[62-528.307(1)(g)]

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)]

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)]*

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)]*

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)]*

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

[62-528.307(1)(l)]

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:

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- i. the date, exact place, and time of sampling or measurements;
 - ii. the person responsible for performing the sampling or measurements;
 - iii. the dates analyses were performed;
 - iv. the person responsible for performing the analyses;
 - v. the analytical techniques or methods used;
 - vi. 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)]
14. All applications, reports, or information required by the Department shall be certified as being true, accurate, and complete. *[62-528.307(1)(n)]*
 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)]*
 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)]*
 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)]*
 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)]*
 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)]*
 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)]*

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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)]
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)]
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)]
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)]

Issued this 4th day of March 2014

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Joseph Haberfeld
Aquifer Protection Program Administrator
Division of Water Resource Management