



Florida Department of Environmental Protection

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

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Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

SENT BY EMAIL TO:
[\(SteiPK@jea.com\)](mailto:SteiPK@jea.com)

In the Matter of an
Application for Permit by:

JEA
Paul Steinbrecher, P.E.
4377 Heckscher Drive
Jacksonville, Florida 32202

PA File No. FL0001031-007-IW1S
Duval County
Northside Generating Station and St. Johns River Power Park
NPDES Permit No. FL0001031

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number FL00001031 to JEA authorizing wastewater discharge from Units 1, 2, and 3 of the Northside Generating Station and Units 1 and 2 the St. Johns River Power Park to the St. Johns River, a Class III marine water, issued under Section 403.0885, Florida Statutes, and DEP Rule 62-620, Florida Administrative Code.

Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any.

Any party to this order (permit) has the right to seek judicial review of the permit under Section 120.68, Florida Statutes, by the filing of a Notice of Appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, 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 thirty days after this notice is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Mark P. Thomasson, P.E.
Director

Division of Water Resource Management
2600 Blair Stone Road
Tallahassee, FL 32399-2400

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed by certified mail before the close of business on 05-09-12 to the listed persons.

[Clerk Stamp]

FILING AND ACKNOWLEDGMENT

FILED, on this date, under section 120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

D. Shields 05-09-12
Clerk Date

Copies furnished by email to:

Mark Nuhfer, NPDES and Biosolids Permits Section, EPA Region 4, Atlanta, GA (Nuhfer.Mark@epa.gov)
Karrie-Jo Shell, Power Plant NPDES Permits, EPA Region 4 (Shell.Karrie-Jo@epamail.epa.gov)
President, Jacksonville City Council (Joost@coj.net)
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(FWCCConservationPlanningServices@myfwc.com)
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Justin Wolfe, Esq., DEP Tallahassee (Justin.G.Wolfe@dep.state.fl.us)

**STATE OF FLORIDA
INDUSTRIAL WASTEWATER FACILITY PERMIT**

PERMITTEE:
JEA

PERMIT NUMBER: FL0001031-007 (Major)
FILE NUMBER: FL0001031-007-IW1S
ISSUANCE DATE: May 9, 2012
EXPIRATION DATE: May 8, 2017

RESPONSIBLE OFFICIAL:
Paul Steinbrecher, P.E.
4377 Heckscher Drive
Jacksonville, Florida 32226
(904) 665-8729

FACILITY:

Northside Generating Station and St. Johns River Power Park
4377 Heckscher Drive
Jacksonville, FL 32226-3033
Duval County
Latitude: 30° 24' 59.63" N Longitude: 81° 33' 10.31" W

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

FACILITY DESCRIPTION:

The Northside Generating Station (NGS) and St. Johns River Power Park (SJRPP) facilities are considered to be a single "facility" for industrial wastewater permitting purposes.

The facility is an electric generating plant with a total nameplate rating of 2,433 megawatts (MW). The facility consists of generating facilities located on two adjacent plant sites. Collectively, these plants consist of two dual-fired (petroleum coke/coal) circulating fluidized bed steam turbine-generator units (NGS Units 1 and 2); one dual-fired (oil/gas) steam turbine-generator unit (NGS Unit 3); four diesel-fired combustion turbine-generator units (NGS CTs 3, 4, 5, and 6); and two bituminous coal, and petroleum coke and natural gas-fired steam turbine-generator units (SJRPP Units 1 and 2).

Each of the NGS circulating fluidized bed units is equipped with Selective Non-Catalytic Reduction (SNCRs) and each of the SJRPP units is equipped with selective catalytic reduction (SCR) systems and ammonia injection systems to reduce nitrogen oxides and sulfuric acid mist.

SJRPP Units 1 and 2 are also regulated under the Florida Electrical Power Plant Siting Act (License No. PA81-13).

WASTEWATER TREATMENT:

Once-through non-contact cooling water (OTCW) for the NGS is drawn from the St. Johns River and treated with sodium hypochlorite or sodium bromide. OTCW system discharges a maximum flow of 827 MGD back to the St. Johns River after circulating through the condensers as cooling water. Low volume wastes (LVW), including air pre-heater and boiler wash water, boiler blowdown, demineralizer regeneration waste, power block storm drains, boiler area drains, fly and bed ash management areas, lime slaker seals, carbon purifier backwash, equipment area floor drains, by-products area leachate, stormwater runoff, fuel storage dome sump, containing coal and pet coke condensate collection with equipment wash, filter backwash, and other waste streams are treated in the Chemical Waste Treatment System (CWTS), which has a maximum design capacity of 3.0 MGD. The CWTS consists of two lined surge basins with oil/water separators, lime addition, rapid mixing basins, flocculation basins, lime settling ponds, re-carbonation and acid injection evaporation/percolation ponds, and a sludge drying area. A daily average of 0.2304 MGD of reclaimed water from the JEA District II Water Reclamation Facility is used as circulator pump seal water and is discharged to the cooling water discharge basin.

Make-up water for the SJRPP natural draft cooling towers is withdrawn from the NGS discharge channel and the blowdown from the cooling towers is returned to the NGS discharge channel just downstream of the SJRPP intake structure. The make-

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up water is chlorinated during circulation in the cooling towers. Low volume wastes, metal cleaning wastes and other waste streams are treated in the Central Wastewater Treatment Facility (CWTF) by chemical conditioning and precipitation, clarification and coagulation, multimedia filtration and neutralization.

The total nitrogen waste load allocation for this facility is addressed under the JEA Aggregate TN TMDL Permit (FL0620564).

REUSE OR DISPOSAL:

Northside Generating Station:

Surface Water Discharge D-001: An existing 827 MGD Daily Maximum Flow permitted discharge to the main discharge canal and thence to the St. Johns River, Class III Marine Waters (WBID 2213B). The point of discharge is located approximately at latitude 30° 24' 57" N, longitude 81° 33' 5" W.

Surface Water Discharge D-010: An existing emergency overflow to San Carlos Creek, Class III Marine Water (WBID 2216). The point of discharge is located approximately at latitude 30° 25' 20" N, longitude 81° 33' 2" W.

Surface Water Discharge D-011: An existing emergency overflow to San Carlos Creek (WBID 2216). The point of discharge is located approximately at latitude 30° 25' 14" N, longitude 81° 33' 7" W.

Land Application R-001: An existing discharge to Class II ground water by land application system consisting of evaporation/percolation ponds, sludge ponds, lime settling ponds, coal pile storage area, pet coke pile storage area, and EZBase Production Facility.

St. Johns River Power Park

Stormwater Discharge D-002: An existing permitted discharge to Browns Creek (WBID 2209). The point of discharge is located approximately at latitude 30° 25' 36" N, longitude 81° 32' 39" W.

Surface Water Discharge D-004: An existing permitted discharge to Browns Creek, Class III Marine Waters (WBID 2209). The point of discharge is located approximately at latitude 30° 25' 35" N, longitude 81° 32' 46" W.

Surface Water Discharge D-009: An existing permitted discharge to Browns Creek, Class III Marine Waters (WBID 2209). The point of discharge is located approximately at latitude 30° 26' 2" N, longitude 81° 32' 40" W.

Internal Outfall I-001: An existing 77 MGD Daily Maximum Flow permitted discharge to the NGS enclosed discharge basin, and thence to the St. John's River, Class III Marine Waters (WBID 2213B). The point of discharge is located approximately at latitude 30° 24' 56" N, longitude 81° 33' 5" W.

Internal Outfall I-005: An existing permitted discharge to the main discharge canal.

Internal Outfall I-006: An existing permitted discharge to the main discharge canal via I-005.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in this Cover Sheet and Part I through Part IX on pages 1 through 34 of this permit.

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I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Process Wastewaters in NGS discharge channel from Outfall D-001** to the St. Johns River. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

Effluent Limitations					Monitoring Requirements			Notes
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Hourly	Pump Logs	FLW-1	
Temperature, Water (Intake)	Deg F	Max Min Max	Report Report Report	Daily Maximum Daily Minimum Monthly Average	Continuous	Recorder ¹	INT-1	
Temperature, Water	Deg F	Max Min Max	104 Report Report	Daily Maximum Daily Minimum Monthly Average	Continuous	Recorder ¹	EFF-1	
Temp. Diff. between Intake and Discharge	Deg F	Max Min Max	19 Report Report	Daily Maximum Daily Minimum Monthly Average	Continuous	Calculated	EFF-1	
pH	s.u.	Min Max	6.5 8.5	Daily Minimum Daily Maximum	Monthly	Grab	EFF-1C	
Oxidants, Total Residual	mg/L	Max Max	0.1 0.1	Daily Maximum Monthly Average	Weekly	Recorder ¹	EFF-1	See I.A.7 and 8
TRO Discharge Time	min/ day	Max Max	120 120	Daily Maximum Monthly Average	Daily; 24 hours	Calculated	EFF-1	
Aluminum, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Semi-annually	24-hr TPC	EFF-1C	
Arsenic, Total Recoverable	ug/L	Max Max	36 36	Daily Maximum Monthly Average	Semi-annually	24-hr TPC	EFF-1C	
Chromium, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Semi-annually	24-hr TPC	EFF-1C	
Copper, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly	24-hr TPC	EFF-1C INT-1	
Iron, Total Recoverable	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly	24-hr TPC	EFF-1C INT-1	
Mercury, Total Recoverable	ug/L	Max Max	0.025 0.025	Daily Maximum Monthly Average	Monthly	24-hr TPC	EFF-1C INT-1	
Lead, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Semi-annually	24-hr TPC	EFF-1C	
Nickel, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Semi-annually	24-hr TPC	EFF-1C	
Selenium, Total Recoverable	ug/L	Max Max	71 71	Daily Maximum Monthly Average	Monthly	24-hr TPC	EFF-1C INT-1	
Silver, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Semi-annually	24-hr TPC	EFF-1C	
Zinc, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Semi-annually	24-hr TPC	EFF-1C	
Specific Conductance	umhos/ cm	Max Max	Report Report	Daily Maximum Monthly Average	Monthly	24-hr TPC	EFF-1C	

¹ Meters shall be calibrated at least once a year in accordance with the manufacturer recommendations. Calibration records shall be maintained on-site in accordance with Condition V.II of this permit.

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			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Chronic Whole Effluent Toxicity, 7-Day IC25 (Mysidopsis bahia)	percent	Min	100	Single Sample	Quarterly	24-hr TPC	EFF-1C	See I.A.14
Chronic Whole Effluent Toxicity, 7-Day IC25 (Menidia beryllina)	percent	Min	100	Single Sample	Quarterly	24-hr TPC	EFF-1C	See I.A.14

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

Monitoring Site Number	Description of Monitoring Site
FLW-1	Pump logs.
INT-1	Influent sampling from the intake basin.
EFF-1	Combined discharge of Units 1, 2, and 3 prior to co-mingling with the discharge from St. Johns River Power Park.
EFF-1C	Five foot stand pipe off of the discharge pipe located on Northside Generating Station property just south of the Heckscher Drive bridge before it goes into the St. Johns River.

3. Thermal discharge from this facility shall be in compliance with Rule 62-302.520(1), F.A.C.
4. The daily maximum temperature shall be the highest daily average temperature throughout the month. The daily average temperature is the arithmetic average of all values obtained for any calendar day. The monthly average temperature is the sum of all the daily values measured during a calendar month on which daily discharge is measured, divided by the number of daily discharged measured during that month (the arithmetic mean of the daily values). The temperature rise is calculated as the difference between the daily average temperature of the discharge and the daily average temperature of the intake.
5. Discharge of intake screen backwash water is permitted without limitation or monitoring requirements, except that there shall be no discharge of visible oil sheen.
6. Continuous monitoring of intake (INT-1) and discharge temperature (EFF-1) and temperature rise as required by Condition I.A.1. for Outfall D-001 shall be at least once per hour.
7. Total Residual Oxidants (TRO) means the value obtain using testing procedures for Total Residual Chlorine (TRC) found in 40 CFR 136.3.
8. If continuous monitoring equipment for TRO is not operable during any discharge period, the permittee shall collect multiple grab samples and analyze those samples by other means that meet the requirements of Permit Conditions I.D.1 and 2 and shall specify the method in the Discharge Monitoring Report.

Multiple grab samples for TRO shall consist of grab samples collected at the beginning of the period of chlorination discharge, and once every 15 minutes, thereafter. In addition, one grab sample shall be collected at the end of the period of oxidant discharge.

9. Grab samples for TRO monitoring is required only during times when sodium hypochlorite and/or sodium bromide is added to the condenser cooling water system. Total Residual Oxidants shall not exceed 0.1 mg/L as monitored at EFF-1. In no case shall TRO be discharged from any unit for more than two hours per day per unit. Not more than one unit shall discharge TRO at any one time.

10. The discharge shall not contain components that settle to form putrescent deposits or float as debris, scum, oil, or other matter. *[62-302.500(1)(a)]*
11. The permittee shall maintain the current intake through-screen velocity such that the existing maximum velocity is not exceeded. *[C.W.A. 316(b)]*
12. The permittee shall maintain current traveling screen practices at Units 1, 2, and 3 so as to assure that the screens are cycled twice during each 24 hours of continuous operation unless precluded by repair/maintenance requirements. *[C.W.A. 316(b)]*
13. The permittee shall develop a plan in accordance with the schedule in Condition VI.3 to help return live fish, shellfish, and other aquatic organisms collected or trapped on the intake screens to their natural habitat. Other material shall be removed from the intake screens and disposed of in accordance with all existing Federal, State and/or Local laws and regulations that apply to waste disposal. Such material shall not be returned to the receiving waters. *[C.W.A. 316(b)]*
14. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-001.
 - a. Effluent Limitation
 - (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) shall not be less than 100% effluent. *[Rules 62-302.530(61) and 62-4.241(1)(b), F.A.C.]*
 - (2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. *[Rules 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]*
 - b. Monitoring Frequency
 - (1) Routine toxicity tests shall be conducted once every three months, the first starting within 60 days of the issuance date of this permit and lasting for the duration of this permit.
 - (2) Upon completion of four consecutive, valid routine tests that demonstrate compliance with the effluent limitation in 14.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in 14.a.(1) above.
 - (3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-014, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.
 - c. Sampling Requirements
 - (1) For each routine test or additional follow-up test conducted, a total of three 24-hour composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-014, Section 8.
 - (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
 - (3) Samples for routine and additional follow-up tests shall not be collected on the same day.
 - d. Test Requirements
 - (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: **100%, 50%, 25%, 12.5%, and 6.25% final effluent.**
 - (2) The permittee shall conduct 7-day survival and growth chronic toxicity tests with a mysid shrimp, **Americamysis (Mysidopsis) bahia**, Method 1007.0, and an inland silverside, **Menidia beryllina**, Method 1006.0, concurrently.
 - (3) All test species, procedures and quality assurance criteria used shall be in accordance with **Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and**

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Estuarine Organisms, 3rd Edition, EPA-821-R-02-014. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.

- (4) The control water and dilution water used shall be artificial sea salts as described in EPA-821-R-02-014, Section 7.2. The test salinity shall be determined as follows:
 - (a) For the *Americamysis bahia* bioassays, the effluent shall be adjusted to a salinity of 20 parts per thousand (ppt) with artificial sea salts. The salinity of the control/dilution water (0% effluent) shall be 20 ppt. If the salinity of the effluent is greater than 20 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/dilution water shall match the salinity of the effluent.
 - (b) For the *Menidia beryllina* bioassays, if the effluent salinity is less than 5ppt, the salinity shall be adjusted to 5 ppt with artificial sea salts. The salinity of the control/dilution water (0% effluent) shall be 5 ppt. If the salinity of the effluent is greater than 5 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/dilution water shall match the salinity of the effluent.
 - (c) If the salinity of the effluent requires adjustment, a salinity adjustment control should be prepared and included with each bioassay. The salinity adjustment control is intended to identify toxicity resulting from adjusting the effluent salinity with artificial sea salts. To prepare the salinity adjustment control, dilute the control/dilution water to the salinity of the effluent and adjust the salinity of the salinity adjustment control at the same time and to the same salinity that the salinity of the effluent is adjusted using the same artificial sea salts.

e. Quality Assurance Requirements

- (1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
- (2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or any test does not meet "test acceptability criteria", the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-014, Section 14.12 (*Americamysis bahia*) and Section 13.12 (*Menidia beryllina*). The repeat test shall begin within 21 days after the last day of the invalid test.
- (3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
- (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-014, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.

f. Reporting Requirements

- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
 - (a) Routine and Additional Follow-up Test Results: The calculated IC25 for each test species shall be entered on the DMR.
- (2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-014, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
- (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-014, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.
- (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
- (5) The same bioassay data shall not be reported as the results of more than one test.
- (6) All bioassay laboratory reports shall be sent to:

Florida Department of Environmental Protection
Northeast District Office
7825 Baymeadows Way Suite B200
Jacksonville, Florida 32256

g. Test Failures

- (1) A test fails when the test results do not meet the limits in 14.a.(1).
- (2) Additional Follow-up Tests:
 - (a) If a routine test does not meet the chronic toxicity limitation in 14.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 14.d.
 - (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
 - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-014.
- (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
 - (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
 - (b) The Department shall review and approve the plan before initiation.
 - (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
 - (d) Progress reports shall be submitted quarterly to the Department at the address above.
 - (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 14.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 14.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-014, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
 - (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 14.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
- (4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in 14.(a)(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.
- (5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

[62-4.241, 62-620.620(3)]

15. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Low Volume Wastes** from **NGS Emergency Overflow Outfalls D-010 and D-011** via overflow structures from the evaporation/percolation ponds and settling basins, respectively, to

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San Carlos Creek. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max	Report	Daily Maximum	Daily, when discharging	Estimated	FLW-10 FLW-11	
Duration of Discharge	hr/day	Max	Report	Daily Maximum	Daily, when discharging	Estimated	EFF-10 EFF-11	
Solids, Total Suspended	mg/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Oil and Grease	mg/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Arsenic, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Cadmium, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Chromium, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Iron, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Copper, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Lead, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Mercury, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Nickel, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
Zinc, Total Recoverable	ug/L	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	
pH	s.u.	Max	Report	Daily Maximum	Daily, when discharging	Grab	EFF-10 EFF-11	

16. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.15. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-10	Flow estimation of the overflow from the percolation ponds to the concrete spillway and discharge indirectly to San Carlos Creek.
FLW-11	Flow estimation of the overflow from the riser pipe in the south settling basin and discharge indirectly to the San Carlos Creek.
EFF-10	Overflow from the percolation ponds to the concrete spillway and discharge indirectly to San Carlos Creek.
EFF-11	Overflow from the riser pipe in the south settling basin and discharge indirectly to the San Carlos Creek.

17. Emergency overflow discharges from Outfalls D-010 and D-011 shall not be allowed, unless caused by a rainfall event in excess of the 25 year, 24 hour rainfall (i.e., 8.7 inches) or the accumulation of rainfall greater than or equal to a volume of 8.7 inches times the surface area of the south settling pond or the percolation pond for discharge from D-010 or D-011, respectively. Discharge shall be reported to the Department immediately.
18. For parameters other than flow and length of discharge period, the highest concentration of each parameter monitored shall be reported on the Discharge Monitoring Report (DMR) as the daily maximum concentration.

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Samples for all parameters shall be collected at the discharge from the overflow weir from the evaporation / percolation pond or south settling pond prior to entry into the wetland area.

19. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **SJRPP stormwater** from **Outfall D-002** to Browns Creek. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

Effluent Limitations					Monitoring Requirements			Notes
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Quarterly	Calculated	EFF-2	
Solids, Total Suspended	mg/L	Max Max	50.0 50.0	Daily Maximum Monthly Average	Quarterly	Grab	EFF-2	
Oil and Grease	mg/L	Max Max	5.0 5.0	Daily Maximum Monthly Average	Quarterly	Grab	EFF-2	
pH	s.u.	Min Max	6.5 8.5	Daily Minimum Daily Maximum	Quarterly	Grab	EFF-2	

20. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.19. and as described below:

Monitoring Site Number	Description of Monitoring Site
EFF-2	At the point of discharge from the runoff sedimentation pond into borrow pit.

21. The limitations of Condition I.A.19 are applicable to any discharge up to the flow resulting from a rainfall equal to or greater 7.44 inches which is equivalent to the 10-year, 24-hour rainfall event.
22. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **SJRPP Coal Pile Runoff Sedimentation Pond Discharge** from **Outfall D-004** to Browns Creek. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

Effluent Limitations					Monitoring Requirements			Notes
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	Report	Daily Maximum	Per discharge	Calculated	FLW-4	
Duration of Discharge	min	Max	Report	Daily Maximum	Per discharge	Calculated	EFF-4	
Solids, Total Suspended	mg/L	Max	Report	Daily Maximum	Per discharge	Grab	EFF-4	
Aluminum, Total Recoverable	mg/L	Max	1.5	Daily Maximum	Per discharge	Grab	EFF-4	
Arsenic, Total Recoverable	ug/L	Max	50	Daily Maximum	Per discharge	Grab	EFF-4	
Chromium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Per discharge	Grab	EFF-4	
Copper, Total Recoverable	ug/L	Max	3.7	Daily Maximum	Per discharge	Grab	EFF-4	
Iron, Total Recoverable	mg/L	Max	0.3	Daily Maximum	Per discharge	Grab	EFF-4	
Lead, Total Recoverable	ug/L	Max	8.5	Daily Maximum	Per discharge	Grab	EFF-4	
Mercury, Total Recoverable	ug/L	Max	0.025	Daily Maximum	Per discharge	Grab	EFF-4	
Nickel, Total Recoverable	ug/L	Max	8.3	Daily Maximum	Per discharge	Grab	EFF-4	
Selenium, Total Recoverable	ug/L	Max	71	Daily Maximum	Per discharge	Grab	EFF-4	
Silver, Total Recoverable	ug/L	Max	Report	Daily Maximum	Per discharge	Grab	EFF-4	
Zinc, Total Recoverable	ug/L	Max	86	Daily Maximum	Per discharge	Grab	EFF-4	

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			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
pH	s.u.	Min Max	6.5 8.5	Daily Minimum Daily Maximum	Per discharge	Grab	EFF-4	

23. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.22 and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-4	Calculated flow for Outfall D-004.
EFF-4	At the discharge point from the coal pile runoff sedimentation pond.

24. Discharge to Browns Creek is not permitted except when flow results from an event equal to or greater than the 10-year, 24-hour rainfall event (i.e., 7.44 inches).
25. Discharge of water from the Central Wastewater Treatment Facility pump sump to the Coal Pile Runoff Sedimentation Pond is permitted during periods when the pH at Internal Outfall I-006 is not within permitted limitations, provided that available excess detention volume is maintained to accommodate the 10 year, 24 hour rainfall event (i.e., 7.44 inches).
26. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **SJRPP Solid Waste Sedimentation Pond Discharge** from **Outfall D-009** to Browns Creek. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max	Report	Daily Maximum	Per discharge	Calculated	FLW-9	
Duration of Discharge	min	Max	Report	Daily Maximum	Per discharge	Meter	EFF-9	
Solids, Settleable	mL/L	Max	Report	Daily Maximum	Per discharge	Grab	EFF-9	
Solids, Total Dissolved (TDS)	mg/L	Max	Report	Daily Maximum	Per discharge	Grab	EFF-9	
Solids, Total Suspended	mg/L	Max	Report	Daily Maximum	Per discharge	Grab	EFF-9	
Aluminum, Total Recoverable	mg/L	Max	1.5	Daily Maximum	Per discharge	Grab	EFF-9	
Arsenic, Total Recoverable	ug/L	Max	50	Daily Maximum	Per discharge	Grab	EFF-9	
Chromium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Per discharge	Grab	EFF-9	
Copper, Total Recoverable	ug/L	Max	3.7	Daily Maximum	Per discharge	Grab	EFF-9	
Iron, Total Recoverable	mg/L	Max	0.3	Daily Maximum	Per discharge	Grab	EFF-9	
Lead, Total Recoverable	ug/L	Max	8.5	Daily Maximum	Per discharge	Grab	EFF-9	
Mercury, Total Recoverable	ug/L	Max	0.025	Daily Maximum	Per discharge	Grab	EFF-9	
Nickel, Total Recoverable	ug/L	Max	8.3	Daily Maximum	Per discharge	Grab	EFF-9	
Selenium, Total Recoverable	ug/L	Max	71	Daily Maximum	Per discharge	Grab	EFF-9	
Silver, Total Recoverable	ug/L	Max	Report	Daily Maximum	Per discharge	Grab	EFF-9	
Zinc, Total Recoverable	ug/L	Max	86	Daily Maximum	Per discharge	Grab	EFF-9	
pH	s.u.	Min Max	6.0 9.0	Daily Minimum Daily Maximum	Per discharge	Grab	EFF-9	

27. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.26. and as described below:

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Monitoring Site Number	Description of Monitoring Site
FLW-9	Flow calculation for the solid waste sedimentation pond overflow.
EFF-9	At the solid waste sedimentation pond overflow.

28. Discharge to Browns Creek is not permitted except when the flow results from an event equal to or greater than the 10-year 24-hour rainfall event (7.44 inches).
29. The runoff sedimentation pond shall be capable of containing the 10-year, 24-hour rainfall event (7.44 inches) from tributary areas plus all accumulated silt. Quarterly, the permittee shall report the available settling pond volume. This information shall be submitted along with the Discharge Monitoring Report (DMR) form. The permittee may bypass sedimentation pond runoff and discharge directed to the CWTF and sample accordingly.
30. The discharge shall not contain components that settle to form putrescent deposits or float as debris, scum, oil, or other matter. [62-302.500(1)(a)]

B. Internal Outfalls

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **SJRPP Cooling Tower Blowdown and Central Wastewater Treatment Facility effluent** from **Outfall I-001** to the Northside Generating Station's enclosed discharge basin. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Daily; 24 hours	Pump Logs	FLW-2 FLW-3	
Oxidants, Total Residual	mg/L	Max Max	0.01 0.01	Daily Maximum Monthly Average	Weekly	Multiple Grab	OUI-1	See I.B.3 and I.B.4
TRO-Discharge Time	min/ day	Max Max	120 120	Daily Maximum Monthly Average	Weekly	Meter	OUI-1	See I.B.3 and I.B.4
Cycles of Concentration	Cycles	Max	1.5	Daily Maximum	Monthly	Calculated	OUI-1	See I.B.5
Specific Conductance	umhos/ cm	Max	Report Report	Daily Maximum Monthly Average	Monthly	24-hr TPC	OUI-1	See I.B.6
Temperature, Water	Deg F	Max Max	96.0 ² Report ³	Daily Maximum Monthly Average	Continuous	Calculated	OUI-1	
pH	s.u.	Min Max	6.5 8.5	Daily Minimum Daily Maximum	Monthly	Grab	OUI-1	
Arsenic, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly, when discharging	Grab	OUI-1	See I.B.7
Mercury, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly, when discharging	Grab	OUI-1	See I.B.7
Selenium, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly, when discharging	Grab	OUI-1	See I.B.7
Nitrogen, Ammonia, Total (as N)	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Weekly, when discharging	Grab	OUI-1 INT-2	See I.B.7
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Weekly, when discharging	Grab	OUI-1 INT-2	See I.B.7

² "Daily Maximum" shall be the highest daily average (mean) temperature throughout a given calendar month. The daily mean temperature shall be calculated as the sum of all temperature measurements during a given 24 hour day (12:00 am-11:59 pm) divided by the number of measurements during the same period.

³ "Daily Average" (mean) shall be calculated as the sum of all temperature measurements during a given 24- hour period (12:00 am-11:59 pm) divided by the number of measurements during that same period.

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			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Weekly, when discharging	Grab	OUI-1 INT-2	See I.B.7
Nitrogen, Total	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Weekly, when discharging	Calculated	OUI-1 INT-2	See I.B.7
Nitrogen, Total (Monthly Net Loading)	lb/mth	Max	Report	Monthly Total	Monthly, when discharging	Calculated	OUI-1 INT-2	See I.B.7, I.B.8 and I.B.10
Nitrogen, Total (Annual Net Loading)	lb/yr	Max	Report	Annual Total	Monthly, when discharging	Calculated	OUI-1 INT-2	See I.B.7, I.B.9, and I.B.10

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

Monitoring Site Number	Description of Monitoring Site
FLW-2	The flow monitoring location of the feedwater withdrawn from the Northside discharge for the St. Johns River Power Park cooling towers.
FLW-3	The flow monitoring location for the combined discharge of Central Wastewater Treatment Facility effluent and St. Johns River Power Park cooling tower blowdown prior to comingling with Northside effluent.
OUI-1	The combined discharge from Outfalls I-005 and I-006, at the main plant discharge prior to entry into the Northside Generating Station discharge channel.
INT-2	At the intake structure for cooling towers at St. Johns River Power Park.

3. Neither Free Available Oxidants (FAO) nor Total Residual Oxidants (TRO) shall be discharged from either cooling tower for more than two hours per day per unit. Not more than one cooling tower shall discharge FAO or TRO at any one time. TRO shall not be discharged during periods when TRO is being discharged from any unit at the Northside Generating Station.
4. Total Residual Oxidants (TRO) means the value obtained using the amperometric titration method for total residual chlorine or the Hach model 19300 or equivalent). Testing for TRO by titration shall be conducted according to either the low-level amperometric method, or the DPD calorimetric method as specified in section 4500-CI E. or 4500 CI G., respectively, Standard Methods for the examination of Water and Waste water, 18th Edition (or most current edition).

The permittee shall collect samples weekly when chlorine is in use. TRO monitoring requirements for either Unit 1 or 2 are not applicable for any week in which chlorine is not added to that unit. No more than one unit shall discharge total residual oxidant at any one time.

Multiple grabs for TRO shall be defined as once per five minutes during TRO discharge periods of 30 minutes or less and once per 15 minutes for periods exceeding 30 minutes with no less than two analyses during the period of TRO discharge (sampling shall be continued until the end of the TRO discharge).

5. Cycles of concentration shall be calculated by dividing a 24-hour average cooling tower blowdown Total Dissolved Solids (TDS) value from the combined cooling tower discharge by a 24-hour average TDS value from the combined cooling tower intake. TDS values may be obtained by calibrated conductivity meter reading.
6. The daily maximum conductivity value shall be reported as the maximum conductivity value corresponding to the highest number of cycles of concentrations between the combined cooling tower blowdown discharge from

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Units 1 and 2. The monthly average conductivity value shall be reported as the average of all recorded values for the month.

7. Monitoring for Total Recoverable Arsenic, Total Recoverable Mercury, Total Recoverable Selenium, Total Ammonia, TKN, Nitrate + Nitrite, and Total Nitrogen is only required when the SCR is in operation and the facility is discharging FGD blowdown.
8. The monthly net Total Nitrogen (TN) loading is defined as the pounds of TN discharged at OUI-1 minus the pounds of TN withdrawn at INT-2, over a corresponding period of time. The facility shall report the monthly net TN loading which equals the pounds of TN discharged during a month minus the pounds TN withdrawn during the same month. Monthly TN withdrawn and discharged (in pounds per month) is calculated based on total volume of water/wastewater withdrawn and discharged during that month. Samples at INT-2 and OUI-1 shall be taken concurrently. Intake and discharge TN concentrations for any given month shall be the average of all paired TN samples taken during that month. The monthly mass load of total nitrogen shall be calculated as follows:

$$ML \text{ (Lbs/month)} = \text{Flow (MG/month)} \times TN \text{ (mg/L)} \times 8.34 \text{ (L-Lbs/MG-mg)}$$

Where:

ML =Monthly mass load of total nitrogen; (Lbs/month)

Flow =Total volume of effluent discharged from the point source in a given month; (million gallons (MG))

TN =Monthly average concentration of TN collected at OUI-1 and INT-2; (mg/L)

9. The annual net TN loading (in pounds per year) on any given month is equal to the monthly TN net loading for that month plus the previous eleven monthly TN loadings and is considered a rolling annual maximum value. If an annual TN load is less than zero for a month of reporting, then the permittee shall report the annual load as "0" on the Discharge Monitoring Report (DMR) for the month. The annual mass load of total nitrogen shall be calculated as follows:

The annual mass load is computed using a rolling twelve (12) month period. The calculation shall be the sum of the twelve most recent monthly mass loadings of total nitrogen starting from the second month following permit issuance month.

10. The permittee shall meet the aggregate cap through collectively managing the total nitrogen loads from individual JEA facilities (Arlington East WRF – FL0026441; Beacon Hills WWTF – FL0026778; Buckman WWTF – FL0026000; District II WWTF – FL0026450; Jacksonville Heights WWTF – FL0023671; Julington Creek WWTF – FL0043591; Mandarin WRF – FL0023663; San Pablo WWTF – FL0024767; Southwest District WWTF – FL0026468; Woodmere WWTF – FL0026786; and JEA – SJRPP FL0001031), which are listed in the JEA – Aggregate Total Nitrogen (Permit No. FL0620564).
11. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **SJRPP Units 1 and 2 Combined Cooling Tower Blowdown** from **Internal Outfall I-005** to the Main Plant Discharge. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Daily; 24 hours	Pump Logs	FLW-5	

12. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.11. and as described below:

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Monitoring Site Number	Description of Monitoring Site
FLW-5	Calculated aggregate blowdown flow of the two cooling towers serving SJRPP Units 1 and 2.

13. Continuous chlorination of the cooling tower make-up system is permitted, provided that continuous chlorination does not result in a detectable discharge of TRO for more than two hours per day.
14. The permittee shall, within thirty days of the permit issuance and yearly thereafter, provided certification that the 126 priority pollutants (as listed in 40 CFR Part 423, Appendix A) are not being discharged in detectable concentrations in the cooling tower blowdown as a result of the addition of any maintenance chemicals. Compliance shall be demonstrated by one of the three methods:

Method 1: Sampling at a frequency of not less than once per year for all priority pollutants referenced above with submission of analysis results with each certification.

Method 2: Submission of certification(s) from the manufacturer that each product used contains no priority pollutants. Such submission is required only once for each product used, unless subsequent changes in the product formulation occur or the product is obtained from a different source. Certifications for all products in use shall be maintained on site.

Method 3: Calculations to assure that if priority pollutants are contained in any product(s), no discharge of any individual priority pollutant can occur at concentrations greater than detectable levels using analytical methods in 40 CFR Part 136 due to dilution within the cooling water system.

The certification shall be in the following form: "I certify that no priority pollutants at concentrations greater than detectable levels using analytical methods in 40 CFR Part 136 are being discharged from any maintenance chemicals added to the cooling towers. Compliance is demonstrated by Method ____."

15. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **SJRPP Central Wastewater Treatment Facility Wastewater** (low volume wastes, metal cleaning wastewater, and other industrial wastewater streams) from **Internal Outfall I-006** to the Main Plant Discharge Canal. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Daily; 24 hours	Meter	FLW-6	
Solids, Total Suspended	mg/L	Max Max	30.0 50.0	Monthly Average Daily Maximum	Monthly	24-hr TPC	OUI-6	See I.B.17
	lb/day	Max	1920.0	Daily Maximum	Monthly	Calculated	OUI-6	See I.B.17
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	Monthly	Grab	OUI-6	See I.B.17
	lb/day	Max	260.0	Daily Maximum	Monthly	Calculated	OUI-6	See I.B.17
pH	s.u.	Min Max	6.0 9.0	Daily Minimum Daily Maximum	Continuous	Recorder	OUI-6	See I.B.18
Length of Longest pH Excursion	Min	Max Max	60 446	Daily Maximum Monthly Total	Continuous	Recorder	OUI-6	See I.B.18
Copper, Total Recoverable	mg/L	Max Max	1.0 1.0	Daily Maximum Monthly Average	Monthly	24-hr TPC	OUI-6	See I.B.17
Iron, Total Recoverable	mg/L	Max Max	1.0 1.0	Daily Maximum Monthly Average	Monthly	24-hr TPC	OUI-6	See I.B.17

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Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Mercury, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Quarterly, when discharging	Grab	OUI-6	See I.B.21
Silver, Total Recoverable	ug/L	Max Max	0.0064 0.0064	Daily Maximum Monthly Average	Monthly	24-hr TPC	OUI-6	
Selenium, Total Recoverable	ug/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly, when discharging	24-hr TPC	OUI-6	See I.B.22
Phosphorus, Total (as P)	mg/L	Max Max	1.0 Report	Daily Maximum Daily Average	Per Application	24-hr TPC	OUI-6	See I.B.19 and I.B.20
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly, when discharging	24-hr TPC	OUI-6	See I.B.21
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly, when discharging	24-hr TPC	OUI-6	See I.B.21
Nitrogen, Ammonia, Total (as N)	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly, when discharging	24-hr TPC	OUI-6	See I.B.21
Nitrogen, Total	mg/L	Max Max	Report Report	Daily Maximum Monthly Average	Monthly, when discharging	24-hr TPC	OUI-6	See I.B.21
Nitrogen, Total (Monthly Loading)	lb/mth	Max	Report	Monthly Total	Monthly, when discharging	Calculated	OUI-6	See I.B.21

16. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.15. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-6	Flow measurement at discharge to the Central Wastewater Treatment Facility (CWTF) prior to mixing with any other wastewater streams.
OUI-6	At discharge from the CWTF prior to mixing with any other wastewater streams.

17. During the periods when metal cleaning waste is commingled with low volume waste and treated by the Central Wastewater Treatment Facility (CWTF), TSS, Oil & Grease, Total Recoverable Copper, and Total Recoverable Iron shall be monitored.
18. The permittee shall maintain the pH of such wastewater within the range specified in this permit. Excursions from the range are permitted subject to the following limitations:
- The total time during which pH values are outside the required range of pH values shall not exceed 7 hours and 26 minutes in a calendar month.
 - No individual excursion from the range of pH values shall exceed 60 minutes.
 - The permittee shall report each month for each monitoring station where pH is monitored continuously the following:
 - the number of pH excursions;
 - the duration of each excursion;
 - the date of each excursion; and
 - the total time of all excursions combined.
 - An excursion is an unintentional and temporary incident in which the pH value of wastewater exceeds the range specified in this permit.
19. During the periods when metal cleaning wastes are being treated by the CWTF, Total Phosphorous shall be monitored.

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20. The monitoring requirements for phosphorous are only applicable if phosphate-containing chemicals are used in the metal cleaning operations.
21. Monitoring for Total Recoverable Mercury, Total Ammonia, TKN, Nitrate + Nitrite, and Total Nitrogen is only required when the SCR is in operation and the facility is discharging FGD blowdown.
22. Monitoring for Total Recoverable Selenium is only required during periods when either metal cleaning waste is commingled with low volume waste and treated by the CWTF or when the SCR is in operation and the facility is discharging FGD blowdown to the CWTF.
23. The permittee shall place the gravity filters in service or recycle the CWTF effluent to the coal pile runoff sedimentation ponds when clarifier effluent turbidity is determined to be greater than 10 NTU by the online monitor.
24. The discharges shall not contain components that settle to form putrescent deposits or float as debris, scum, oil, or other matter. [62-302.500(1)(a)]

C. Land Application Systems

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge industrial wastewater to **NGS Evaporation/Percolation Pond Land Application System R-001**. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.D.3.:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow ⁴	MGD	Max Max Max	Report Report Report	Annual Average Daily Maximum Monthly Average	Daily; 24 hours	Calculated ¹	EFF-5 PPI-1	
pH	s.u.	Max Min	8.5 6.5	Daily Maximum Daily Minimum	5 Days/Week	Grab	EFF-5	
		Max Min	Report Report	Daily Maximum Daily Minimum	5 Days/Week	Grab	PPI-1	
Solids, Total Dissolved (TDS)	mg/L	Max	Report	Daily Maximum	Monthly	24-hr Composite	EFF-5 PPI-1	
Specific Conductance	umhos /cm	Max	Report	Daily Maximum	Monthly	24-hr Composite	EFF-5 PPI-1	
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max	Report	Daily Maximum	Quarterly	24-hr Composite	EFF-5 PPI-1	
Lead, Total Recoverable	ug/L	Max	Report	Daily Maximum	Monthly	24-hr Composite	EFF-5 PPI-1	
Nickel, Total Recoverable	ug/L	Max	Report	Daily Maximum	Monthly	24-hr Composite	EFF-5 PPI-1	
Sodium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Monthly	24-hr Composite	EFF-5 PPI-1	
Sulfate, Total	mg/L	Max	Report	Daily Maximum	Quarterly	24-hr Composite	EFF-5 PPI-1	
Turbidity	NTU	Max	Report	Daily Maximum	Monthly	24-hr Composite	EFF-5 PPI-1	
Vanadium, Total Recoverable	ug/L	Max	Report	Daily Maximum	Monthly	24-hr Composite	EFF-5 PPI-1	

⁴ Flow shall be calculated in conduit or through treatment plant. The flow meter shall be calibrated at least annually.

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

Monitoring Site Number	Description of Monitoring Site
EFF-5	Effluent sampling shall be from wastewater discharge to evaporation/percolation pond.
PPI-1	Wastewater sampling shall be at the influent discharge into the unlined settling pond before pH is adjusted.

D. Other Limitations and Monitoring and Reporting Requirements

1. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
 - a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
 - b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
 - c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

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

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

2. The permittee shall provide safe access points for obtaining representative influent and effluent samples which are required by this permit. [62-620.320(6)]
3. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below.

REPORT Type on DMR	Monitoring Period	Due Date
Monthly	first day of month - last day of month	28 th day of following month
Quarterly	January 1 - March 31 April 1 - June 30	April 28 July 28

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	July 1 - September 30 October 1 - December 31	October 28 January 28
Semiannual	January 1 - June 30 July 1 - December 30	July 28 January 28
Annual	January 1 - December 31	January 28

DMRs shall be submitted for each required monitoring period including months of no discharge. The permittee may submit either paper or electronic DMR form(s). If submitting paper DMR form(s), the permittee shall make copies of the attached DMR form(s). If submitting electronic DMR form(s), the permittee shall use a Department-approved electronic DMR system.

The electronic submission of DMR forms shall be accepted only if approved in writing by the Department. For purposes of determining compliance with this permit, data submitted in electronic format is legally equivalent to data submitted on signed and certified DMR forms.

The permittee shall submit the completed DMR form(s) to the Department by the twenty-eighth (28th) of the month following the month of operation at the addresses specified below:

Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

[62-620.610(18)]

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

Florida Department of Environmental Protection
Northeast District Office
7825 Baymeadows Way
Suite B200
Jacksonville, Florida 32256

Phone Number - (904)807-3300
FAX Number - (904)448-4366 (All FAX copies and e-mails shall be followed by original copies.)/[62-620.305]

4. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]
5. If there is no discharge from the facility on a day when the facility would normally sample, the sample shall be collected on the day of the next discharge. [62-620.320(6)]
6. The discharge of any waste resulting from the combustion of chemical metal cleaning wastes, toxic wastes, or hazardous wastes to any waste stream which ultimately discharges to waters of the United States is prohibited, unless specifically authorized elsewhere in this permit.
7. The permittee shall not store coal, soil, or other similar erodable materials in a manner in which runoff is uncontrolled, nor shall construction activities be conducted in a manner which produces uncontrolled runoff unless such uncontrolled runoff has been specifically approved by the Department. "Uncontrolled" shall mean without sedimentation basin or other controls approved by the Department.

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8. The permittee shall maintain, or obtain, records of rainfall representative of the plant site conditions at the facility. All periods of rainfall, which exceed the 10-year, 24-hour event (7.44 inches), shall be reported to the Department as an attachment to the DMR.
9. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid. [40 CFR Part 423.12(b)(2)]
10. Discharge of any product registered under the Federal Insecticide, Fungicide, and Rodenticide Act to any waste stream which ultimately may be released to waters of the State is prohibited unless specifically authorized elsewhere in this permit. This requirement is not applicable to products used for lawn and agricultural purposes or to the use of herbicides if used in accordance with labeled instructions and any applicable State permit.

A permit revision from the Department shall be required prior to the use of any biocide or chemical additive used in the cooling system (except chlorine as authorized elsewhere in this permit) or any other portion of the treatment system which may be toxic to aquatic life. The permit revision request shall include:

- a. Name and general composition of biocide or chemical
- b. Frequencies of use
- c. Quantities to be used
- d. Proposed effluent concentrations
- e. Acute and/or chronic toxicity data (laboratory reports shall be prepared according to Section 12 of EPA document no. EPA-821-R-02-012 EP entitled, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters for Freshwater and Marine Organisms, or most current addition.)
- f. Product data sheet
- g. Product label

The Department shall review the above information to determine if a major or minor permit revision is necessary. Discharge associated with the use of such biocide or chemical is not authorized without a permit revision by the Department. Permit revisions shall be processed in accordance with the requirements of Chapter 62-620, F.A.C.

11. Discharge of any waste resulting from the combustion of toxic, hazardous, or metal cleaning wastes to any waste stream which ultimately discharges to waters of the State is prohibited, unless specifically authorized elsewhere in this permit.
12. Any water drained from the fuel oil storage tanks or other water, which meets the definition of "Petroleum Contact Water" as defined in Rule 62-740.030(1), F.A.C., shall be disposed of at a Department approved facility in accordance with Chapter 62-740, F.A.C.
13. The permittee is authorized to utilize the following water treatment chemicals and biocides at the St. Johns River Power Park:

Chemical Name	System Used	Purpose
Sodium Hypochlorite	On-site Reclaimed Water Storage Tanks at the St. Johns Power Park site	Bio-growth Control
Gaseous Chlorine	On-site Reclaimed Water Storage Tanks at the St. Johns Power Park site	Bio-growth Control
AS-55	FGD Absorber Tanks	Anti-foaming Agent
Di-basic Acid	Flue Gas Desulfurization System	Enhance Sulfur Dioxide Removal

14. The permittee is authorized to use anti-foaming agent AS-55 at the St. Johns Power Park facility in the FGD absorber tanks at a dosage rate not to exceed 15 mg/L (ppm).

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15. The permittee shall contact the Department in accordance with Condition VI.8 to develop a biological Plan of Study (POS) to evaluate the effects of the facility's discharge on the balanced, indigenous population of shellfish, fish and wildlife in and on the receiving body of water. The plan of study shall include an implementation schedule and milestones for gauging progress toward completion. The POS shall be designed to generate information relevant to the following elements: 1) a population typically characterized by diversity at all trophic levels; 2) the capacity to sustain itself through cyclic seasonal changes; 3) presence of necessary food chain species; 4) non-domination of pollution-tolerant species; and 5) indigenous.

The permittee shall submit a copy of the POS to each of the following agencies:

Florida Department of Environmental Protection
Industrial Wastewater Section, Mail Station 3545
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

And

U.S. Environmental Protection Agency, Region 4
Municipal and Industrial NPDES Section
Pollution Control and Implementation Branch
Water Protection Division
Atlanta Federal Center
61 Forsyth Street

Atlanta, Georgia 30303-8060

16. The permittee shall continue the regularly scheduled cleaning and disposal of solids deposited in the following basins:
 - a. Precipitation Area Sumps for Units 1 & 2
 - b. FGD Area Sumps for Units 1 & 2
 - c. Coal Pile Runoff Basin
 - d. FGD Pre-sedimentation Basin; and
 - e. Metal Cleaning Waste Basins

II. SLUDGE MANAGEMENT REQUIREMENTS

1. Disposal of industrial wastewater sludge in a solid waste management facility permitted by the Department shall be in accordance with the requirements of Chapter 62-701, F.A.C. Storage, transportation, and disposal of sludge/solids characterized as hazardous waste shall be in accordance with requirements of Chapter 62-730, F.A.C.
2. The permittee shall keep records of the amount of sludge disposed, transported, or incinerated in wet tons/day. If a person other than the permittee is responsible for sludge transporting, disposal, or incineration, the permittee shall also keep the following records:
 - a. Name, address, and telephone number of any transporter, and any manifests or bill of lading used;
 - b. Name and location of the site of disposal, treatment or incineration;
 - c. Name, address, and telephone number of the entity responsible for the disposal, treatment, or incineration site.

III. GROUND WATER REQUIREMENTS

1. The groundwater monitoring requirements for the St. Johns River Power Park are incorporated into the facility's Site Certification, License No. PA81-13.

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2. The ground water monitoring requirements within Part III of this permit apply to the JEA-Northside Generating Station.
3. The permittee shall give at least 72-hours notice to the Department's Northeast District Office, prior to the installation of any monitoring wells. [62-520.600(6)(h)]
4. Before construction of new ground water monitoring wells, a soil boring shall be made at each monitoring well location to properly determine the monitoring well specification such as well depth, screen interval, screen slot, and filter pack. [62-520.600(6)(g)]
5. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Northeast District Office detailed information on the well's location and construction on DEP Form(s) 62-520.900(3), Monitor Well Completion Report. [62-532.410 and 62-520.900(3)]
6. All piezometers and monitoring wells not part of the approved ground water monitoring plan are to be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C., unless future use is intended. [62-532.500(4)]
7. For the Land Application System R-001, all ground water quality criteria specified in 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this existing facility shall extend horizontally to the property line and vertically to the base of the surficial aquifer. [62-520.200(26)] [62-520.465]
8. The ground water minimum criteria specified in Rule 62-520.400, F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
9. If the concentration for any constituent listed in Permit Condition III.12. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. [62-520.420(2)]
10. During the period of operation authorized by this permit, the permittee shall continue to sample and analyze ground water at the existing monitoring wells identified in Permit Condition III.11, below, in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. [62-520.600]
11. The following monitoring wells shall be sampled for Land Application System R-001.:

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		°	'	"	°	'	"			
MWI-16	NS-16: East of Coal Pile and Pet Coke Storage Areas	30	25	14.4622	81	33	18.9473	16	Surficial	Existing
MWB-19	NS-19: 1000' NW of Perc Pond C	30	25	21.3589	81	33	16.2379	10	Surficial	Existing
MWC-22	NS-22: 70' SE of Perc Pond B	30	25	18.3835	81	33	01.6740	10	Surficial	Existing
MWI-23	NS-23: 30' SE of Perc Pond B	30	25	18.4005	81	33	00.7732	15	Surficial	Existing
MWC-27	NS-27: SE of Coal Pile and Pet Coke Storage Areas.	30	25	08.1925	81	33	18.4907	16	Surficial	Existing
MWI-28	NS-28: 300' SW of NS-23	30	25	17.8683	81	33	03.7869	15	Surficial	Existing
MWI-29	NS-29: 50' SW of south sludge bed	30	25	14.3421	81	33	10.0583	13	Surficial	Existing
MWI-30	NS-30: SE corner of Lime Settling Ponds.	30	25	15.0458	81	33	00.0249	15	Surficial	Existing
MWC-32	AW-FS: SW of EZBase Production Facility.	30	25	17.6767	81	33	36.2274	22	Surficial	Existing
MWC-33	AW-JS: South of EZBase Production Facility.	30	25	13.6999	81	33	29.1248	22	Surficial	Existing

MWC = Compliance; MWB = Background; MWI = Intermediate; MWP = Piezometer

[62-520.600]

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12. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.10.:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Specific Conductance	Report	umhos/cm	In Situ	Quarterly
pH	Report	s.u.	In Situ	Quarterly
Solids, Total Dissolved	Report	mg/L	Grab	Quarterly
Lead, Total Recoverable	15	ug/L	Grab	Quarterly
Nickel, Total Recoverable	100	ug/L	Grab	Quarterly
Nitrite plus Nitrate, Total 1 det. (as N)	10	mg/L	Grab	Quarterly
Sodium, Total Recoverable	*	mg/L	Grab	Quarterly
Vanadium, Total Recoverable	**	ug/L	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly
Chloride	Report	mg/L	Grab	Quarterly
Sulfate	Report	mg/L	Grab	Quarterly

MWC = Compliance; MWB = Background; MWI = Intermediate; MWP = Piezometer

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* A sodium exemption for this facility was granted on January 5, 2010, and the compliance well limit is report only. This exemption expires in conjunction with this permit, and the facility must reapply prior to the expiration date of this permit.

** Vanadium currently has a Guidance Concentration of 49 ug/L.

[62-520.600(11)(b)]

13. Within 60 days after permit issuance, the Permittee shall conduct an expanded sampling of monitoring well MWI-23 and MWC-32, for the primary and secondary drinking water parameters included in Chapter 62-550, Tables 1, 4, and 6, (excluding asbestos), plus turbidity and vanadium. All analytical results from this expanded sampling shall be submitted to the Department within 60 days following the sample event. [62-520.600(5)(a)(2)]
14. Between 6 to 12 months preceding permit expiration, the permittee shall conduct an expanded sampling of monitoring well MWI-23 and MWC-32, for the primary and secondary drinking water parameters listed in Chapter 62-550, Tables 1, 4 and 6, (excluding asbestos), plus turbidity and vanadium. All analytical results from this expanded sampling shall be submitted as an attachment to the permit renewal application. [62-520.600(5)(b)]
15. This facility is an existing installation as defined in Rule 62-520, F.A.C, and is exempt from compliance with secondary standards for groundwater at the edge of the zone of discharge in accordance with Rules 62-520.520, and 62-522.300(8), F.A.C.
16. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. [62-520.600(11)(c)]
17. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210]
18. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Northeast District Office as being more representative of ground water conditions. [62-520.310(5)]
19. If any monitoring well becomes damaged or inoperable, the permittee shall notify the Department's Northeast District Office immediately and a detailed written report shall follow within seven days. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence. All monitoring well design and replacement shall be approved by the Department's Northeast District Office prior to installation. [62-520.600][62-620.320(6)]
20. Ground water monitoring test results shall be submitted on Part D of DEP Form 62-620.910(10), or such other format as approved by the Department, according to the following schedule, and to the address specified in Permit Condition I.D.3.:

SAMPLE PERIOD	Quarterly	REPORT DEADLINE
(January-March)	X	April 28 th
(April-June)	X	July 28 th
(July-September)	X	October 28 th
(October-December)	X	January 28 th

[62-520.600(11)(b)]

IV. ADDITIONAL LAND APPLICATION REQUIREMENTS

Section IV is not applicable to this facility.

V. OPERATION AND MAINTENANCE REQUIREMENTS

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

[62-620.350]

VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule. The Storm water Pollution Prevention Plan (SWPPP) for NGS shall be prepared and implemented in accordance with Part VII of this permit.

Improvement Action	Completion Date
1. Develop and implement SWPPP	6 months from permit issuance.
2. Complete Plan Summary	2 years from permit issuance.
3. Progress/Update Report	3 years, and then annual thereafter.

[62-620.320(6)]

2. If the permittee wishes to continue operation of this wastewater facility after the expiration date of this permit, the permittee shall submit an application for renewal no later than one-hundred and eighty days (180) prior to the expiration date of this permit. Application shall be made using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. [62-620.335(1) and (2)]
3. Within 12 months of the effective date of this permit, the permittee shall schedule a meeting with the Department to discuss the contents of the aquatic organism return plan in accordance with Condition I.A.13 and shall submit the plan to the Department within 18 months of the effective date of this permit. The plan shall be implemented within 30 months subsequent to approval by the Department.
4. Within six months of the effective date of this permit, the permittee shall schedule a meeting with the Department to discuss the contents of the biological plan of study (POS) in accordance with Condition I.A.15 and shall submit the plan to the Department within 12 months of the effective date of this permit. The plan shall be implemented within 24 months subsequent to the approval by the Department and the results shall be submitted with the permit renewal application.

5. The permittee shall comply with the implementation schedule of EPA's Steam Electric Power Generation Point Source effluent guidelines upon final promulgation of the revised federal guidelines.

VII. STORMWATER POLLUTION PREVENTION PLANS

1. General Requirements

In accordance with Section 304(e) and 402(a) and (b) of the Clean Water Act (CWA) as amended, 33 U.S.C. §§ 1251 et seq., and the Pollution Prevention Act of 1990, 42 U.S.C. §§ 13101-13109, the permittee must develop and implement a plan for utilizing practices incorporating pollution prevention measures. References to be considered in developing the plan are "Criteria and Standards for Best Management Practices Authorized Under Section 304(e) of the Act," found at 40 CFR 122.44 Subpart K and the Storm Water Management Industrial Activities Guidance Manual, EPA/833-R92-002 and other EPA documents relating to Best Management Practice guidance.

a. Definitions

- (1) The term "pollutants" refers to conventional, non-conventional and toxic pollutants.
- (2) Conventional pollutants are: biochemical oxygen demand (BOD), suspended solids, pH, fecal coliform bacteria and oil & grease.
- (3) Non-conventional pollutants are those which are not defined as conventional or toxic.
- (4) Toxic pollutants include, but are not limited to: (a) any toxic substance listed in Section 307(a)(1) of the CWA, any hazardous substance listed in Section 311 of the CWA, or chemical listed in Section 313(c) of the Superfund Amendments and Reauthorization Act of 1986; and (b) any substance (that is not also a conventional or non-conventional pollutant except ammonia) for which EPA has published an acute or chronic toxicity criterion.
- (5) "Significant Materials" is defined as raw materials; fuels; materials such as solvents and detergents; hazardous substances designated under Section 101(14) of CERCLA; and any chemical the facility is required to report pursuant to EPCRA, Section 313; fertilizers; pesticides; and waste products such as ashes, slag and sludge.
- (6) "Pollution prevention" and "waste minimization" refer to the first two categories of EPA's preferred hazardous waste management strategy: first, source reduction and then, recycling.
- (7) "Recycle/Reuse" is defined as the minimization of waste generation by recovering and reprocessing usable products that might otherwise become waste; or the reuse or reprocessing of usable waste products in place of the original stock, or for other purposes such as material recovery, material regeneration or energy production.
- (8) "Source reduction" means any practice which: (a) reduces the amount of any pollutant entering a waste stream or otherwise released into the environment (including fugitive emissions) prior to recycling, treatment or disposal; and (b) reduces the hazards to public health and the environment associated with the release of such pollutant. The term includes equipment or technology modifications, process or procedure modifications, reformulation or redesign of products, substitution of raw materials, and improvements in housekeeping, maintenance, training, or inventory control. It does not include any practice which alters the physical, chemical, or biological characteristics or the volume of a pollutant through a process or activity which itself is not integral to, or previously considered necessary for, the production of a product or the providing of a service.
- (9) "SWPPP" means a Storm Water Pollution Prevention Plan incorporating the requirements of 40 CFR § 125, Subpart K, plus pollution prevention techniques, except where other existing programs are deemed equivalent by the permittee. The permittee shall certify the equivalency of the other referenced programs.
- (10) The term "material" refers to chemicals or chemical products used in any plant operation (i.e., caustic soda, hydrazine, degreasing agents, paint solvents, etc.). It does not include lumber, boxes, packing materials, etc.
- (11) The term "allowable non-storm water discharges" refers to the following discharges that may be discharged through storm water outfalls unless identified by the Department as sources of pollutants:
 - Discharges from fire-fighting activities;
 - Fire hydrant flushings;
 - Potable water, including water line flushings;
 - Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids;

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- Irrigation drainage;
- Landscape watering provided all pesticides, herbicides and fertilizer have been applied in accordance with the approved labeling;
- Pavement wash waters where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed);
- Routine external building washdown that does not use detergents;
- Uncontaminated ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials; and
- Incidental wind-blown mist from cooling towers that collects on rooftops or adjacent portions of your facility, but not intentional discharges from the cooling tower (e.g. "piped" cooling tower blowdown or drains).

2. Storm Water Pollution Prevention Plan

The permittee shall develop and implement a SWPPP for the facility, which is the source of wastewater and storm water discharges, covered by this permit. The plan shall be directed toward reducing those pollutants of concern which discharge to surface waters and shall be prepared in accordance with good engineering and good housekeeping practices. For the purposes of this permit, pollutants of concern shall be limited to toxic pollutants, as defined above, known to the discharger. The plan shall address all activities which could or do contribute these pollutants to the surface water discharge, including process, treatment, and ancillary activities.

a. Signatory Authority & Management Responsibilities

The SWPPP shall be signed by permittee or their duly authorized representative in accordance with rule 62-620.305(2)(a) and (b). The SWPPP shall be reviewed by plant environmental/engineering staff and plant manager. Where required by Chapter 471-(P.E.) or Chapter 492 (P.G.) Florida Statutes, applicable portions of the SWPPP shall be signed and sealed by the professional(s) who prepared them.

A copy of the plan shall be retained at the facility and shall be made available to the permit issuing authority upon request.

The SWPPP shall contain a written statement from corporate or plant management indicating management's commitment to the goals of the BMP program. Such statements shall be publicized or made known to all facility employees. Management shall also provide training for the individuals responsible for implementing the SWPPP.

b. SWPPP Requirements

- (1) A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate.
- (2) A site map showing:
 - (a) The storm water conveyance and discharge structures;
 - (b) An outline of the storm water drainage areas for each storm water discharge point;
 - (c) Paved areas and buildings;
 - (d) Areas used for outdoor manufacturing, storage, or disposal of significant materials, including activities that generate significant quantities of dust or particulates;
 - (e) Location of existing or future storm water structural control measures/practices (dikes, coverings, detention facilities, etc.);
 - (f) Surface water locations and/or municipal storm drain locations;
 - (g) Areas of existing and potential soil erosion;
 - (h) Vehicle service areas; and
 - (i) Material loading, unloading, and access areas.
- (3) A narrative description of the following:
 - (a) The nature of the industrial activities conducted at the site, including a description of significant materials that are treated, stored or disposed of in a manner to allow exposure to storm water;
 - (b) Materials, equipment, and vehicle management practices employed to minimize contact of significant materials with storm water discharges;

- (c) Existing or future structural and non-structural control measures/practices to reduce pollutants in storm water discharges;
 - (d) Industrial storm water discharge treatment facilities;
 - (e) Methods of onsite storage and disposal of significant materials;
 - (f) Overall objectives (both short-term and long-term) and scope of the plan, specific reduction goals for pollutants, anticipated dates of achievement of reduction, and a description of means for achieving each reduction goal;
 - (g) A description of procedures relative to spill prevention, control & countermeasures and a description of measures employed to prevent storm water contamination;
 - (h) A description of practices involving preventive maintenance, housekeeping, recordkeeping, inspections, and plant security; and
 - (i) The description of a waste minimization assessment performed in accordance with the conditions outlined in condition c below, results of the assessment, and a schedule for implementation of specific waste reduction practices.
- (4) A list of the types of pollutants that have a reasonable potential to be present in storm water discharges in significant quantities.
- (5) An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.
- (6) A summary of existing sampling data describing pollutants in storm water discharges.
- c. Waste Minimization Assessment
- The permittee is required to conduct a waste minimization assessment (WMA) for this facility to determine actions that could be taken to reduce waste loading and chemical losses to all wastewater and/or storm water streams.
- d. Pollution Prevention Committee:
- A pollution prevention committee within the plant organization shall be appointed. These members shall be responsible for developing the SWPPP and assisting the plant manager in its implementation, maintenance, and revision.
- e. Employee Training
- (1) The permittee shall describe the storm water employee training program for the facility. The description shall include the topics to be covered, such as spill response, good housekeeping and material management practices, and shall identify periodic dates (e.g., every 6 months during the months of July and January) for such training. The permittee shall provide employee training for all employees and contractors that work in areas where industrial materials or activities are exposed to storm water, and for employees that are responsible for implementing activities identified in the SWPPP (e.g., inspectors, maintenance people). The employee training shall inform facility personnel and contractors of the components and goals of the facility SWPPP.
- (2) Each employee and contractor that works in an areas where industrial materials or activities are exposed to storm water, and each employee that is responsible for implementing activities identified in the SWPPP shall undergo training at least once a year. Training records shall include trainee's name, signature, date of training and topics covered. Records shall be retained on-site for a minimum of three years
- f. Plan Development & Implementation
- (1) The SWPPP shall be developed and implemented 6 months after the effective date of this permit, unless any later dates are specified in this permit. Any portion of the SWPPP which is ongoing at the time of development or implementation shall be described in the plan. Any waste reduction practice which is recommended for implementation over a period of time shall be identified in the plan, including a schedule for its implementation.
- (2) At least once a year the personnel named in the SWPPP shall verify that the description of potential pollutant sources required under this permit is accurate; the site map as required in the SWPPP has been updated or otherwise modified to reflect current conditions; and the controls to reduce pollutants in storm water discharges associated with industrial activity identified in the SWPPP are being implemented and are adequate.
- g. Submission of Plan Summary & Progress/Update Reports

- (1) Plan Summary: Not later than 2 years after the effective date of the permit, a summary of the SWPPP shall be developed and maintained at the facility and made available to the permit issuing authority upon request. The summary should include the following: a brief description of the plan, its implementation process, schedules for implementing identified waste reduction practices, and a list of all waste reduction practices being employed at the facility. The results of waste minimization assessment studies already completed as well as any scheduled or ongoing WMA studies shall be discussed.
- (2) Progress/Update Reports: Annually thereafter for the duration of the permit progress/update reports documenting implementation of the plan shall be maintained at the facility and made available to the permit issuing authority upon request. The reports shall discuss whether or not implementation schedules were met and revise any schedules, as necessary. The plan shall also be updated as necessary and the attainment or progress made toward specific pollutant reduction targets documented. Results of any ongoing WMA studies as well as any additional schedules for implementation of waste reduction practices shall be included.
- (3) A timetable for the various plan requirements follows:

Timetable for SWPPP Requirements:

<u>REQUIREMENT</u>	<u>TIME FROM EFFECTIVE DATE OF THIS PERMIT</u>
Complete SWPPP	6 months
Complete Plan Summary	2 years
Progress/Update Reports	3 years, and then annually thereafter

The permittee shall maintain the plan and subsequent reports at the facility and shall make the plan available to the Department upon request.

h. Plan Review & Modification

If the SWPPP is determined to be insufficient following review by the Department, the permittee will be notified that the SWPPP does not meet one or more of the minimum requirements of this Part. Upon such notification from the Department, the permittee shall amend the plan and shall submit to the Department a written certification that the requested changes have been made. Unless otherwise provided by the Department, the permittee shall have 30 days after such notification to make the changes necessary.

The permittee shall modify the SWPPP whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to waters of the State or if the plan proves to be ineffective in achieving the general objectives of reducing pollutants in wastewater or storm water discharges. Modifications to the plan may be reviewed by the Department in the same manner as described above.

The permittee may incorporate applicable portions of plans prepared for other purposes. Plans or portions of plans incorporated into a SWPPP become enforceable requirements of this permit.

VIII. OTHER SPECIFIC CONDITIONS

A. Specific Conditions Applicable to All Permits

1. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]
2. Drawings, plans, documents or specifications submitted by the permittee, not attached hereto, but retained on file at the Department's Northeast District Office, are made a part hereof.
3. This permit satisfies Industrial Wastewater program permitting requirements only and does not authorize operation of this facility prior to obtaining any other permits required by local, state or federal agencies.
4. The permittee shall provide verbal notice to the Department's Northeast District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, or wastewater sludges. The Permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Northeast District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

B.. Specific Conditions Related to Existing Manufacturing, Commercial, Mining, and Silviculture Wastewater Facilities or Activities

1. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
 - (1) One hundred micrograms per liter,
 - (2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2, 4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter for antimony, or
 - (3) Five times the maximum concentration value reported for that pollutant in the permit application; or
 - b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
 - (1) Five hundred micrograms per liter,
 - (2) One milligram per liter for antimony, or
 - (3) Ten times the maximum concentration value reported for that pollutant in the permit application.

C. Duty to Reapply

1. The permittee is not authorized to discharge to waters of the State after the expiration date of this permit, unless:
 - a. the permittee has applied for renewal of this permit at least 180 days before the expiration date (**November, 9, 2016**) using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
 - b. the permittee has made complete the application for renewal of this permit before the permit expiration date.
- [62-620.335(1)-(4), F.A.C.]*
2. When publishing Notice of Draft and Notice of Intent in accordance with Rules 62-110.106 and 62-620.550, F.A.C., the permittee shall publish the notice at its expense in a newspaper of general circulation in the county or counties in which the activity is to take place either
 - a. Within thirty days after the permittee has received a notice; or
 - b. Within thirty days after final agency action.

Failure to publish a notice is a violation of this permit.

D. Reopener Clauses

1. The permit shall be revised, or alternatively, revoked and reissued in accordance with the provisions contained in Rules 62-620.325 and 62-620.345 F.A.C., if applicable, or to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, if the effluent standards, limitations, or water quality standards so issued or approved:
 - a. Contains different conditions or is otherwise more stringent than any condition in the permit/or;
 - b. Controls any pollutant not addressed in the permit.

The permit as revised or reissued under this paragraph shall contain any other requirements then applicable.

PERMITTEE: JEA
FACILITY: Northside Generating Station and St. Johns River Power Park

PERMIT NUMBER: FL0001031-007 (Major)
EXPIRATION DATE: May 8, 2017

2. The permit may be reopened to adjust effluent limitations or monitoring requirements should future Water Quality Based Effluent Limitation determinations, water quality studies, DEP approved changes in water quality standards, EPA established Total Maximum Daily Loads (TMDLs), or other information show a need for a different limitation, monitoring requirement, or more stringent requirements or any applicable standards pertaining to the operation and maintenance of coal combustion waste impoundments.
3. The Department or EPA may develop a TMDL during the life of the permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL.
4. The permit shall be reopened for revision as appropriate to address new information that was not available at the time of this permit issuance or to comply with requirements of new regulations, standards, or judicial decisions relating to CWA 316(b).

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]

9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
- Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - Have access to and copy any records that shall be kept under the conditions of this permit;
 - Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

[62-620.610(9)]

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any

and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:

- a. A description of the anticipated noncompliance;
- b. The period of the anticipated noncompliance, including dates and times; and
- c. Steps being taken to prevent future occurrence of the noncompliance.

[62-620.610(17)]

18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
 - e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
 - f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
20. The permittee shall report to the Department's Northeast District Office 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 WARNING POINT TOLL

- (2) 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 Warning Point:
 - (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.
- (3) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's Northeast District Office 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 Northeast District Office shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17, 18 or 19 of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20 of this permit. *[62-620.610(21)]*

22. Bypass Provisions.

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

[62-620.610(22)]

23. Upset Provisions.

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

[62-620.610(23)]

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Mark P. Thomasson, P.E.

Director

Division of Water Resource Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0001031-007-IW1S

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-001
MONITORING GROUP DESCRIPTION: Combined discharge of NGS OTCW and SJRPP cooling tower blowdown.
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
PROGRAM: Industrial

COUNTY: Duval
OFFICE: Northeast District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-1	Permit Requirement	Report (Mo.Avg.)	Report (Day.Max.)	MGD						Hourly	Pump Logs
Temperature (F), Water (Intake)	Sample Measurement										
PARM Code 00011 7 Mon. Site No. INT-1	Permit Requirement				Report (Day.Min.)	Report (Mo.Avg.)	Report (Day.Max.)	Deg F		Continuous ¹	Meter
Temperature (F), Water	Sample Measurement										
PARM Code 00011 Q Mon. Site No. EFF-1	Permit Requirement				Report (Day.Min.)	Report (Mo.Avg.)	104 (Day.Max.)	Deg F		Continuous	Meter
Temp. Diff. between Intake and Discharge	Sample Measurement										
PARM Code 61576 1 Mon. Site No. EFF-1	Permit Requirement				Report (Day.Min.)	Report (Mo.Avg.)	19 (Day.Max.)	Deg F		Continuous	Calculated
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-1	Permit Requirement				6.5 (Day.Min.)		8.5 (Day.Max.)	s.u.		Monthly	Grab
Oxidants, Total Residual	Sample Measurement										
PARM Code 34044 1 Mon. Site No. EFF-1	Permit Requirement					0.1 (Mo.Avg.)	0.1 (Day.Max.)	mg/L		Weekly	Meter
TRO-Discharge Time	Sample Measurement										
PARM Code 04223 1 Mon. Site No. EFF-1	Permit Requirement	120 (Mo.Avg.)	120 (Day.Max.)	min/day						Daily, 24 hours	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

¹ Continuous monitoring of intake (INT-1) and discharge temperature (EFF-1) and temperature rise as required by Condition I.A.1 of the permit shall be at least once per hour

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park

MONITORING GROUP

D-001

PERMIT NUMBER: FL0001031-007-IW1S

NUMBER:

MONITORING PERIOD

From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Copper, Total Recoverable (Intake)	Sample Measurement									
PARM Code 01119 7	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	ug/L		Monthly	24-hr TPC
Mon. Site No. INT-1										
Copper, Total Recoverable	Sample Measurement									
PARM Code 01119 1	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	ug/L		Monthly	24-hr TPC
Mon. Site No. EFF-1C										
Iron, Total Recoverable (Intake)	Sample Measurement									
PARM Code 00980 7	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	mg/L		Monthly	24-hr TPC
Mon. Site No. INT-1										
Iron, Total Recoverable	Sample Measurement									
PARM Code 00980 1	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	mg/L		Monthly	24-hr TPC
Mon. Site No. EFF-1C										
Mercury, Total Recoverable (Intake)	Sample Measurement									
PARM Code 71901 7	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	ug/L		Monthly	24-hr TPC
Mon. Site No. INT-1										
Mercury, Total Recoverable	Sample Measurement									
PARM Code 71901 1	Permit Requirement				0.025 (Mo. Avg.)	0.025 (Day Max.)	ug/L		Monthly	24-hr TPC
Mon. Site No. EFF-1C										
Selenium, Total Recoverable (Intake)	Sample Measurement									
PARM Code 00981 7	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	ug/L		Monthly	24-hr TPC
Mon. Site No. INT-1										
Selenium, Total Recoverable	Sample Measurement									
PARM Code 00981 1	Permit Requirement				71 (Mo. Avg.)	71 (Day Max.)	ug/L		Monthly	24-hr TPC
Mon. Site No. EFF-1C										
Specific Conductance	Sample Measurement									
PARM Code 00095 1	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	umhos/cm		Monthly	24-hr TPC
Mon. Site No. EFF-1										
7-DAY CHRONIC STATRE Mysidopsis bahia (Routine)	Sample Measurement									
PARM Code TRP3E P	Permit Requirement				100 (Min.)		percent		Quarterly	24-hr TPC
Mon. Site No. EFF-1										
7-DAY CHRONIC STATRE Mysidopsis bahia (Additional)	Sample Measurement									
PARM Code TRP3E Q	Permit Requirement				100 (Min.)		percent		As needed	As required by the permit
Mon. Site No. EFF-1										
7-DAY CHRONIC STATRE Mysidopsis bahia (Additional)	Sample Measurement									
PARM Code TRP3E R	Permit Requirement				100 (Min.)		percent		As needed	As required by the permit
Mon. Site No. EFF-1										

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park MONITORING GROUP D-001 PERMIT NUMBER: FL0001031-007-IW1S
NUMBER:
MONITORING PERIOD From: To:

[illegible]

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0001031-007-IW1S

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-001
MONITORING GROUP DESCRIPTION: Combined discharge of NGS OTCW and SJRPP cooling tower blowdown.
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
REPORT FREQUENCY: Semi-annually
PROGRAM: Industrial

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

COUNTY: Duval
OFFICE: Northeast District

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Aluminum, Total Recoverable	Sample Measurement									
PARM Code 01104 1 Mon. Site No. EFF-1C	Permit Requirement				Report (Mo.Avg.)	Report (Day.Max.)	ug/L		Semi-Annually; twice per year	24-hr TPC
Arsenic, Total Recoverable	Sample Measurement									
PARM Code 00978 1 Mon. Site No. EFF-1C	Permit Requirement				36 (Mo.Avg.)	36 (Day.Max.)	ug/L		Semi-Annually; twice per year	24-hr TPC
Chromium, Total Recoverable	Sample Measurement									
PARM Code 01118 1 Mon. Site No. EFF-1C	Permit Requirement				Report (Mo.Avg.)	Report (Day.Max.)	ug/L		Semi-Annually; twice per year	24-hr TPC
Lead, Total Recoverable	Sample Measurement									
PARM Code 01114 1 Mon. Site No. EFF-1C	Permit Requirement				Report (Mo.Avg.)	Report (Day.Max.)	ug/L		Semi-Annually; twice per year	24-hr TPC
Nickel, Total Recoverable	Sample Measurement									
PARM Code 01074 1 Mon. Site No. EFF-1C	Permit Requirement				Report (Mo.Avg.)	Report (Day.Max.)	ug/L		Semi-Annually; twice per year	24-hr TPC
Silver, Total Recoverable	Sample Measurement									
PARM Code 01079 1 Mon. Site No. EFF-1C	Permit Requirement				Report (Mo.Avg.)	Report (Day.Max.)	ug/L		Semi-Annually; twice per year	24-hr TPC
Zinc, Total Recoverable	Sample Measurement									
PARM Code 01094 1 Mon. Site No. EFF-1C	Permit Requirement				Report (Mo.Avg.)	Report (Day.Max.)	ug/L		Semi-Annually; twice per year	24-hr TPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0001031-007-IW1S

LIMIT:
CLASS SIZE:
MONITORING GROUP NUMBER:
MONITORING GROUP DESCRIPTION:
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD

Final
MA
D-010
REPORT FREQUENCY: Monthly
PROGRAM: Industrial
NGS Emergency Percolation Pond Overflow.

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
Jacksonville, FL 32226-3033

COUNTY: Duval
OFFICE: Northeast District

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-10	Permit Requirement		Report (Day.Max.)	MGD						Daily, when discharging	Estimated
Duration of Discharge	Sample Measurement										
PARM Code 81381 1 Mon. Site No. EFF-10	Permit Requirement		Report (Day.Max.)	hr/day						Daily, when discharging	Estimated
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	mg/L			Daily, when discharging	Grab
Oil and Grease	Sample Measurement										
PARM Code 00556 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	mg/L			Daily, when discharging	Grab
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Cadmium, Total Recoverable	Sample Measurement										
PARM Code 01113 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Chromium, Total Recoverable	Sample Measurement										
PARM Code 01118 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park

MONITORING GROUP

D-010

PERMIT NUMBER: FL0001031-007-IW1S

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Iron, Total Recoverable	Sample Measurement										
PARM Code 00980 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Copper, Total Recoverable	Sample Measurement										
PARM Code 01119 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Lead, Total Recoverable	Sample Measurement										
PARM Code 01114 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Mercury, Total Recoverable	Sample Measurement										
PARM Code 71901 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Nickel, Total Recoverable	Sample Measurement										
PARM Code 01074 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Zinc, Total Recoverable	Sample Measurement										
PARM Code 01094 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-10	Permit Requirement					Report (Day.Max.)	s.u.			Daily, when discharging	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0001031-007-IW1S

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-011
MONITORING GROUP DESCRIPTION: NGS Emergency Pond Overflow

REPORT FREQUENCY: Monthly
PROGRAM: Industrial

COUNTY: Duval
OFFICE: Northeast District

RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-11	Permit Requirement		Report (Day Max.)	MGD						Daily, when discharging	Estimated
Duration of Discharge	Sample Measurement										
PARM Code 81381 1 Mon. Site No. EFF-11	Permit Requirement		Report (Day Max.)	hr/day						Daily, when discharging	Estimated
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day Max.)	mg/L			Daily, when discharging	Grab
Oil and Grease	Sample Measurement										
PARM Code 00556 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day Max.)	mg/L			Daily, when discharging	Grab
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day Max.)	ug/L			Daily, when discharging	Grab
Cadmium, Total Recoverable	Sample Measurement										
PARM Code 01113 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day Max.)	ug/L			Daily, when discharging	Grab
Chromium, Total Recoverable	Sample Measurement										
PARM Code 01118 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day Max.)	ug/L			Daily, when discharging	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park

MONITORING GROUP

D-011

PERMIT NUMBER: FL0001031-007-IW1S

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Iron, Total Recoverable	Sample Measurement										
PARM Code 00980 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Copper, Total Recoverable	Sample Measurement										
PARM Code 01119 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Lead, Total Recoverable	Sample Measurement										
PARM Code 01114 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Mercury, Total Recoverable	Sample Measurement										
PARM Code 71901 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Nickel, Total Recoverable	Sample Measurement										
PARM Code 01074 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Selenium, Total Recoverable	Sample Measurement										
PARM Code 00981 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
Zinc, Total Recoverable	Sample Measurement										
PARM Code 01094 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day.Max.)	ug/L			Daily, when discharging	Grab
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-11	Permit Requirement					Report (Day.Max.)	s.u.			Daily, when discharging	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0037869-007-IWB

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-002
MONITORING GROUP DESCRIPTION: SJRPP Runoff Sedimentation Control Pond.

REPORT FREQUENCY: Quarterly
PROGRAM: Industrial

COUNTY: Duval
OFFICE: Northeast District

RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement									
PARM Code 50050 1 Mon. Site No. EFF-2	Permit Requirement	Report (Mo. Avg.)	Report (Day Max.)	MGD					Quarterly	Calculated
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 1 Mon. Site No. EFF-2	Permit Requirement				50.0 (Mo. Avg.)	50.0 (Day Max.)	mg/L		Quarterly	Grab
Oil and Grease	Sample Measurement									
PARM Code 00556 1 Mon. Site No. EFF-2	Permit Requirement				5.0 (Mo. Avg.)	5.0 (Day Max.)	mg/L		Quarterly	Grab
pH	Sample Measurement									
PARM Code 00400 1 Mon. Site No. EFF-2	Permit Requirement				6.5 (Day Min.)	8.5 (Day Max.)	s.u.		Quarterly	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0037869-007-IWB

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

LIMIT:
CLASS SIZE:
MONITORING GROUP NUMBER:
MONITORING GROUP DESCRIPTION:

Final
MA
D-004
 SJRPP Coal Pile Runoff Sedimentation Pond

REPORT FREQUENCY: Monthly
PROGRAM: Industrial

COUNTY: Duval
OFFICE: Northeast District

RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-4	Permit Requirement		Report (Day.Max.)	MGD						Per discharge	Calculated
Duration of Discharge	Sample Measurement										
PARM Code 81381 1 Mon. Site No. EFF-4	Permit Requirement		Report (Day.Max.)	min						Per discharge	Calculated
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	mg/L			Per discharge	Grab
Aluminum, Total Recoverable	Sample Measurement										
PARM Code 01104 1 Mon. Site No. EFF-4	Permit Requirement					1.5 (Day Max.)	mg/L			Per discharge	Grab
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 1 Mon. Site No. EFF-4	Permit Requirement					50 (Day Max.)	mg/L			Per discharge	Grab
Chromium, Total Recoverable	Sample Measurement										
PARM Code 01118 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day Max.)	mg/L			Per discharge	Grab
Copper, Total Recoverable	Sample Measurement										
PARM Code 01119 1 Mon. Site No. EFF-4	Permit Requirement					3.7 (Day.Max.)	mg/L			Per discharge	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park MONITORING GROUP NUMBER: D-004 PERMIT NUMBER: FL0037869-007-IWB

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Iron, Total Recoverable	Sample Measurement										
PARM Code 00980 1 Mon. Site No. EFF-4	Permit Requirement					0.3 (Day Max.)	mg/L			Per discharge	Grab
Lead, Total Recoverable	Sample Measurement										
PARM Code 01114 1 Mon. Site No. EFF-4	Permit Requirement					8.5 (Day Max.)	mg/L			Per discharge	Grab
Mercury, Total Recoverable	Sample Measurement										
PARM Code 71901 1 Mon. Site No. EFF-4	Permit Requirement					0.025 (Day Max.)	mg/L			Per discharge	Grab
Nickel, Total Recoverable	Sample Measurement										
PARM Code 01074 1 Mon. Site No. EFF-4	Permit Requirement					8.3 (Day Max.)	mg/L			Per discharge	Grab
Selenium, Total Recoverable	Sample Measurement										
PARM Code 00981 1 Mon. Site No. EFF-4	Permit Requirement					71 (Day Max.)	mg/L			Per discharge	Grab
Silver, Total Recoverable	Sample Measurement										
PARM Code 01079 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day Max.)	mg/L			Per discharge	Grab
Zinc, Total Recoverable	Sample Measurement										
PARM Code 01094 1 Mon. Site No. EFF-4	Permit Requirement					86 (Day Max.)	mg/L			Per discharge	Grab
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-4	Permit Requirement				6.5 (Day Min.)	8.5 (Day Max.)	s.u.			Per discharge	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0037869-007-IWB

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

LIMIT:
CLASS SIZE:
MONITORING GROUP NUMBER:
MONITORING GROUP DESCRIPTION:
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

Final
MA
D-009
REPORT FREQUENCY: Monthly
PROGRAM: Industrial
SJRPP Solid Waste Runoff Sedimentation Pond Discharge.

COUNTY: Duval
OFFICE: Northeast District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-9	Permit Requirement		Report (Day.Max.)	MGD						Per discharge	Calculated
Duration of Discharge	Sample Measurement										
PARM Code 81381 1 Mon. Site No. EFF-9	Permit Requirement		Report (Day.Max.)	min						Per discharge	Meter
Solids, Settleable	Sample Measurement										
PARM Code 00545 1 Mon. Site No. EFF-9	Permit Requirement					Report (Day Max.)	mL/L			Per discharge	Grab
Solids, Total Dissolved (TDS)	Sample Measurement										
PARM Code 70295 1 Mon. Site No. EFF-9	Permit Requirement					Report (Day.Max.)	mg/L			Per discharge	Grab
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. EFF-9	Permit Requirement					Report (Day.Max.)	mg/L			Per discharge	Grab
Aluminum, Total Recoverable	Sample Measurement										
PARM Code 01104 1 Mon. Site No. EFF-9	Permit Requirement					1.5 (Day Max.)	mg/L			Per discharge	Grab
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 1 Mon. Site No. EFF-9	Permit Requirement					50 (Day.Max.)	ug/L			Per discharge	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park MONITORING GROUP D-009 PERMIT NUMBER: FL0037869-007-IWB
 NUMBER:
 MONITORING PERIOD From: To:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Chromium, Total Recoverable	Sample Measurement										
PARM Code 01118 1 Mon. Site No. EFF-9	Permit Requirement					Report (Day Max.)	ug/L			Per discharge	Grab
Copper, Total Recoverable	Sample Measurement										
PARM Code 01119 1 Mon. Site No. EFF-9	Permit Requirement					3.7 (Day Max.)	ug/L			Per discharge	Grab
Iron, Total Recoverable	Sample Measurement										
PARM Code 00980 1 Mon. Site No. EFF-4	Permit Requirement					0.3 (Day Max.)	mg/L			Per discharge	Grab
Lead, Total Recoverable	Sample Measurement										
PARM Code 01114 1 Mon. Site No. EFF-9	Permit Requirement					8.5 (Day Max.)	ug/L			Per discharge	Grab
Mercury, Total Recoverable	Sample Measurement										
PARM Code 71901 1 Mon. Site No. EFF-9	Permit Requirement					0.025 (Day Max.)	ug/L			Per discharge	Grab
Nickel, Total Recoverable	Sample Measurement										
PARM Code 01074 1 Mon. Site No. EFF-9	Permit Requirement					8.3 (Day Max.)	ug/L			Per discharge	Grab
Selenium, Total Recoverable	Sample Measurement										
PARM Code 00981 1 Mon. Site No. EFF-9	Permit Requirement					71 (Day Max.)	ug/L			Per discharge	Grab
Silver, Total Recoverable	Sample Measurement										
PARM Code 01079 1 Mon. Site No. EFF-9	Permit Requirement					Report (Day Max.)	ug/L			Per discharge	Grab
Zinc, Total Recoverable	Sample Measurement										
PARM Code 01094 1 Mon. Site No. EFF-9	Permit Requirement					86 (Day Max.)	ug/L			Per discharge	Grab
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-9	Permit Requirement				6.0 (Day Min.)	9.0 (Day Max.)	s.u.			Per discharge	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0037869-007-IWB

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: I-001
MONITORING GROUP DESCRIPTION: SJRPP Cooling Tower Blowdown and Central Wastewater Treatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
PROGRAM: Industrial

COUNTY: Duval
OFFICE: Northeast District

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement									
PARM Code 50050 1 Mon. Site No. FLW-2	Permit Requirement	Report (Mo.Avg.)	Report (Day.Max.)	MGD					Daily, 24 hours	Pump Logs
Flow	Sample Measurement									
PARM Code 50050 Q Mon. Site No. FLW-3	Permit Requirement	Report (Mo.Avg.)	Report (Day.Max.)	MGD					Daily, 24 hours	Pump Logs
Oxidants, Total Residual	Sample Measurement									
PARM Code 34044 P Mon. Site No. OUI-1	Permit Requirement				0.01 (Mo.Avg.)	0.01 (Day.Max.)	mg/L		Weekly	Grab
TRO-Discharge Time	Sample Measurement									
PARM Code 04223 P Mon. Site No. OUI-1	Permit Requirement				120 (Mo.Avg.)	120 (Day.Max.)	min/day		Weekly	Meter
Cycles of Concentration	Sample Measurement									
PARM Code 51463 P Mon. Site No. OUI-1	Permit Requirement					1.5 (Day.Max.)	cycles		Monthly	Calculated
Specific Conductance	Sample Measurement									
PARM Code 00095 P Mon. Site No. OUI-1	Permit Requirement					Report (Day.Max.)	umhos/cm		Monthly	24-hr TPC
Temperature (F), Water	Sample Measurement									
PARM Code 00011 P Mon. Site No. OUI-1	Permit Requirement				Report (Mo.Avg.)	96.0 (Day.Max.)	Deg F		Continuous	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park MONITORING GROUP NUMBER: D-001 PERMIT NUMBER: FL0037869-007-IWB

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement							
PARM Code 00400 P Mon. Site No. OUI-1	Permit Requirement			6.5 (Day Min.)	8.5 (Day Max.)	s.u.	Monthly	Grab
Arsenic, Total Recoverable	Sample Measurement							
PARM Code 00978 P Mon. Site No. OUI-1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	ug/L	Monthly, when discharging	Grab
Mercury, Total Recoverable	Sample Measurement							
PARM Code 71901 P Mon. Site No. OUI-1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	ug/L	Monthly, when discharging	Grab
Selenium, Total Recoverable	Sample Measurement							
PARM Code 00981 P Mon. Site No. OUI-1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	ug/L	Monthly, when discharging	Grab
Nitrogen, Ammonia, Total (as N)	Sample Measurement							
PARM Code 00610 P Mon. Site No. OUI-1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	mg/L	Weekly, when discharging	Grab
Nitrogen, Ammonia, Total (as N)	Sample Measurement							
PARM Code 00610 Q Mon. Site No. INT-2	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	mg/L	Weekly, when discharging	Grab
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement							
PARM Code 00625 P Mon. Site No. OUI-1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	mg/L	Weekly, when discharging	Grab
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement							
PARM Code 00625 Q Mon. Site No. INT-2	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	mg/L	Weekly, when discharging	Grab
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement							
PARM Code 00630 P Mon. Site No. OUI-1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	mg/L	Weekly, when discharging	Grab
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement							
PARM Code 00630 Q Mon. Site No. INT-2	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	mg/L	Monthly, when discharging	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 P Mon. Site No. OUI-1	Permit Requirement			Report (Mo.Avg.)	Report (Day.Max.)	mg/L	Weekly, when discharging	Calculated

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY:	Northside Generating Station and St. Johns River Power Park	MONITORING GROUP	D-001	PERMIT NUMBER: FL0037869-007-IWB
		NUMBER:		
		MONITORING PERIOD	From: _____	To: _____

[illegible]

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA MAILING ADDRESS: 4377 Heckscher Drive Jacksonville, FL 32226-3033	PERMIT NUMBER: FL0037869-007-IWB LIMIT: CLASS SIZE: Final MONITORING GROUP NUMBER: MA MONITORING GROUP DESCRIPTION: I-005 RE-SUBMITTED DMR: <input type="checkbox"/> NO DISCHARGE FROM SITE: <input type="checkbox"/> MONITORING PERIOD From: _____ To: _____	REPORT FREQUENCY: Monthly PROGRAM: Industrial SJRPP Combined Cooling Tower Blowdowns from Units 1 and 2
FACILITY: Northside Generating Station and St. Johns River Power Park LOCATION: 4377 Heckscher Drive Jacksonville, FL 32226-3033		
COUNTY: Duval OFFICE: Northeast District		

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-5	Permit Requirement	Report (Mo.Avg.)	Report (Day Max.)	MGD						Daily; 24 hours	Pump Logs

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

COUNTY: Duval
OFFICE: Northeast District

PERMIT NUMBER:

FL0037869-007-IWB

LIMIT:
CLASS SIZE:
MONITORING GROUP NUMBER:
MONITORING GROUP DESCRIPTION:
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

Final
MA
I-006
Central Wastewater Treatment Facility

REPORT FREQUENCY: Monthly
PROGRAM: Industrial

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement									
PARM Code 50050 1 Mon. Site No. FLW-6	Permit Requirement	Report (Mo.Avg.)	Report (Day.Max.)	MGD					Daily, 24 hours	Meter
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 P Mon. Site No. OUI-6	Permit Requirement				30.0 (Mo.Avg.)	50.0 (Day.Max.)	mg/L		Monthly	24-hr TPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 Q Mon. Site No. OUI-6	Permit Requirement		1920.0 (Day.Max.)	lb/day					Monthly	Calculated
Oil and Grease	Sample Measurement									
PARM Code 00556 P Mon. Site No. OUI-6	Permit Requirement				15.0 (Mo.Avg.)	20.0 (Day.Max.)	mg/L		Monthly	Grab
Oil and Grease	Sample Measurement									
PARM Code 00556 Q Mon. Site No. OUI-6	Permit Requirement		260.0 (Day.Max.)	lb/day					Monthly	Calculated
pH	Sample Measurement									
PARM Code 00400 P Mon. Site No. OUI-6	Permit Requirement				6.0 (Day.Min.)	9.0 (Day.Max.)	s.u.		Continuous	Recorder
Length of Longest pH Excursion	Sample Measurement									
PARM Code 72107 P Mon. Site No. OUI-6	Permit Requirement				446 (Mo.Total)	60 (Day.Max.)	min		Continuous	Recorder

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park MONITORING GROUP I-006 PERMIT NUMBER: FL0037869-007-IWB
 NUMBER:
 MONITORING PERIOD From: To:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Copper, Total Recoverable	Sample Measurement										
PARM Code 01119 P Mon. Site No. OUI-6	Permit Requirement				1.0 (Mo. Avg.)	1.0 (Day Max.)	mg/L			Monthly	24-hr TPC
Iron, Total Recoverable	Sample Measurement										
PARM Code 00980 P Mon. Site No. OUI-6	Permit Requirement				1.0 (Mo. Avg.)	1.0 (Day Max.)	mg/L			Monthly	24-hr TPC
Silver, Total Recoverable	Sample Measurement										
PARM Code 01079 P Mon. Site No. OUI-6	Permit Requirement				0.0064 (Mo. Avg.)	0.0064 (Day Max.)	ug/L			Monthly	24-hr TPC
Selenium, Total Recoverable	Sample Measurement										
PARM Code 00981 P Mon. Site No. OUI-6	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	ug/L			Monthly, when discharging	24-hr TPC
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 P Mon. Site No. OUI-6	Permit Requirement				Report (Mo. Avg.)	1.0 (Day Max.)	mg/L			Per Application	24-hr TPC
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement										
PARM Code 00625 P Mon. Site No. OUI-6	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	mg/L			Monthly, when discharging	24-hr TPC
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement										
PARM Code 00630 P Mon. Site No. OUI-6	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	mg/L			Monthly, when discharging	24-hr TPC
Nitrogen, Ammonia, Total (as N)	Sample Measurement										
PARM Code 00610 P Mon. Site No. OUI-6	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	mg/L			Monthly, when discharging	24-hr TPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 P Mon. Site No. OUI-6	Permit Requirement				Report (Mo. Avg.)	Report (Day Max.)	mg/L			Monthly, when discharging	24-hr TPC
Nitrogen, Total (Monthly Loading)	Sample Measurement										
PARM Code 00600 Q Mon. Site No. OUI-6	Permit Requirement		Report (Mo Total)	lb/mth						Monthly, when discharging	Calculated

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0037869-007-IWB

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: I-006

REPORT FREQUENCY: Quarterly
PROGRAM: Industrial

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

MONITORING GROUP DESCRIPTION: Central Wastewater Treatment Facility

RE-SUBMITTED DMR: ☐

NO DISCHARGE FROM SITE: ☐

COUNTY: Duval
OFFICE: Northeast District

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Mercury, Total Recoverable	Sample Measurement										
PARM Code 71901 P Mon. Site No. OUI-6	Permit Requirement				Report (Mo.Avg.)	Report (Day.Max.)		ug/L		Quarterly, when discharging	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0001031-007-IW1S

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: R-001
MONITORING GROUP DESCRIPTION: NGS Evaporation/ Percolation Pond Land Application System.

REPORT FREQUENCY: Monthly
PROGRAM: Industrial

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

COUNTY: Duval
OFFICE: Northeast District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 Y Mon. Site No. EFF-4	Permit Requirement		Report (An. Avg.)	MGD						Daily; 24 hours	Calculated
Flow	Sample Measurement										
PARM Code 50050 1 Mon. Site No. EFF-4	Permit Requirement	Report (Mo. Avg.)	Report (Day Max.)	MGD						Daily; 24 hours	Calculated
Flow	Sample Measurement										
PARM Code 50050 Q Mon. Site No. PPI-1	Permit Requirement		Report (An. Avg.)	MGD						Daily; 24 hours	Calculated
Flow	Sample Measurement										
PARM Code 50050 R Mon. Site No. PPI-1	Permit Requirement	Report (Mo. Avg.)	Report (Day Max.)	MGD						Daily; 24 hours	Calculated
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-4	Permit Requirement				6.5 (Day Min.)	8.5 (Day Max.)	s.u.			5 Days/Week	Grab
pH	Sample Measurement										
PARM Code 00400 Q Mon. Site No. PPI-1	Permit Requirement				Report (Day Min.)	Report (Day Max.)	s.u.			5 Days/Week	Grab
Solids, Total Dissolved (TDS)	Sample Measurement										
PARM Code 70295 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day Max.)	mg/L			Monthly	24-hr TPC
Solids, Total Dissolved (TDS)	Sample Measurement										
PARM Code 70295 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day Max.)	mg/L			Monthly	24-hr TPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Northside Generating Station and St. Johns River Power Park

MONITORING GROUP

R-001

PERMIT NUMBER: FL0001031-007-IW1S

NUMBER:

MONITORING PERIOD

From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Specific Conductance	Sample Measurement										
PARM Code 00095 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	umhos/cm			Monthly	24-hr TPC
Specific Conductance	Sample Measurement										
PARM Code 00095 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day.Max.)	umhos/cm			Monthly	24-hr TPC
Lead, Total Recoverable	Sample Measurement										
PARM Code 01114 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	ug/L			Monthly	24-hr TPC
Lead, Total Recoverable	Sample Measurement										
PARM Code 01114 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day.Max.)	ug/L			Monthly	24-hr TPC
Nickel, Total Recoverable	Sample Measurement										
PARM Code 01074 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	ug/L			Monthly	24-hr TPC
Nickel, Total Recoverable	Sample Measurement										
PARM Code 01074 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day.Max.)	ug/L			Monthly	24-hr TPC
Sodium, Total Recoverable	Sample Measurement										
PARM Code 00923 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	mg/L			Monthly	24-hr TPC
Sodium, Total Recoverable	Sample Measurement										
PARM Code 00923 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day.Max.)	mg/L			Monthly	24-hr TPC
Turbidity	Sample Measurement										
PARM Code 00070 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	NTU			Monthly	24-hr TPC
Turbidity	Sample Measurement										
PARM Code 00070 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day.Max.)	NTU			Monthly	24-hr TPC
Vanadium, Total Recoverable	Sample Measurement										
PARM Code 01128 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	ug/L			Monthly	24-hr TPC
Vanadium, Total Recoverable	Sample Measurement										
PARM Code 01128 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day.Max.)	ug/L			Monthly	24-hr TPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: JEA
MAILING ADDRESS: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

PERMIT NUMBER: FL0001031-007-IW1S

FACILITY: Northside Generating Station and St. Johns River Power Park
LOCATION: 4377 Heckscher Drive
 Jacksonville, FL 32226-3033

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: R-001
MONITORING GROUP DESCRIPTION: NGS Evaporation/ Percolation Pond Land Application System.
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Quarterly
PROGRAM: Industrial

COUNTY: Duval
OFFICE: Northeast District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement										
PARM Code 00630 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	mg/L			Quarterly	24-hr TPC
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement										
PARM Code 00630 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day.Max.)	mg/L			Quarterly	24-hr TPC
Sulfate, Total	Sample Measurement										
PARM Code 00945 1 Mon. Site No. EFF-4	Permit Requirement					Report (Day.Max.)	mg/L			Quarterly	24-hr TPC
Sulfate, Total	Sample Measurement										
PARM Code 00945 Q Mon. Site No. PPI-1	Permit Requirement					Report (Day.Max.)	mg/L			Quarterly	24-hr TPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

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

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. The DMR shall not be submitted before the end of the monitoring period.

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

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

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used:

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

PART A -DISCHARGE MONITORING REPORT (DMR)

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

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

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

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

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units.

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

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

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

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

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

PART B - DAILY SAMPLE RESULTS

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

Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

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

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

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

Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

Time Sample Obtained: Enter the time the sample was taken.

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that.

Detection Limits: Record the detection limits of the analytical methods used.

Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

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

Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.