



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**
NORTHWEST DISTRICT
160 W. GOVERNMENT STREET, SUITE 308
PENSACOLA, FLORIDA 32502-5740

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

JONATHAN P. STEVERSON
SECRETARY

May 12, 2015

BY ELECTRONIC MAIL
(jlittrell@co.okaloosa.fl.us)

In the Matter of an
Application for Permit by:

Okaloosa County Water & Sewer
Jeff Littrell, Director
1804 Lewis Turner Blvd, Suite 300
Fort Walton Beach, Florida 32547-1285

File Number FLA010181-009-DW1P-NRL
Permit Number FLA010181
Bob Sikes WRF Permit Renewal

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number FLA010181 to construct and operate the Bob Sikes WRF, issued under Chapter 403, Florida Statutes.

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

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within fourteen days of receipt of notice. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department in writing for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
- (c) A statement of when and how the petitioner received notice of the Department's decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This permit action is final and effective on the date filed with the Clerk of the Department unless a petition (or request for an extension of time) is filed in accordance with the above. Upon the timely filing of a petition (or request for an extension of time), this permit will not be effective until further order of the Department.

Any party to the permit has the right to seek judicial review of the permit action 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 in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when this permit action is filed with the Clerk of the Department.

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Elizabeth Mullins Orr
Permitting Program Administrator

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk, receipt of which is hereby acknowledged.

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were emailed before the close of business on May 12, 2015 to the listed persons.


Name

May 12, 2015
Date

Enclosures:
Permit
Statement of Basis

C:

Mark J. Wise, P.E., Deputy Director, OCWS (mwise@co.okaloosa.fl.us)

Darren Alford, OCWS (dlalford@co.okaloosa.fl.us)

James P. Kizer, P.E., Constantine Engineering, Inc. (jkizer@tcgeng.com)

Kristen Leffel, Constantine Engineering, Inc. (kleffel@tcgeng.com)

Chair, Okaloosa County Board of County Commissioners, Nathan Boyles (nboyles@co.okaloosa.fl.us)

John Hofstad, Okaloosa County Administrator (managerinfo@co.okaloosa.fl.us)

Environmental and Community Health Section Chief, Florida Department of Health Okaloosa
County, Dana Grissom (Dana.Grissom@flhealth.gov)



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**STATE OF FLORIDA
DOMESTIC WASTEWATER FACILITY PERMIT**

PERMITTEE:

Okaloosa County Water & Sewer

RESPONSIBLE OFFICIAL:

Mr Jeff Littrell

Director

1804 Lewis Turner Blvd Suite 300

Fort Walton Beach, Florida 32547-1285

(850) 651-7171

PERMIT NUMBER: FLA010181

FILE NUMBER: FLA010181-009-DW1P/NRL

ISSUANCE DATE: May 12, 2015

EFFECTIVE DATE: May 12, 2015

EXPIRATION DATE: May 11, 2025

FACILITY:

Bob Sikes WRF

5581 Fairchild Rd

Crestview, FL 32539-6191

Okaloosa County

Latitude: 30°46' 43.06" N Longitude: 86°30' 55.94" 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.). This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to construct and operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

The Bob Sikes Water Reclamation Facility (BSWRF) treatment facility is a 1.0 MGD annual average daily flow (AADF) design capacity, membrane bio-reactor (MBR) process wastewater reclamation facility. The BSWRF treatment facility includes a two-train headworks, each train with a rotary drum screen, a grit removal system, a peak flow bypass pump and a common flow splitter box; a 0.5 MGD lined peak flow storage pond; a three (3) train MBR, each train with two (2) anoxic basins with a total 3-train combined 64,200-gallon capacity, each train with two (2) aeration basins with a total 3-train combined 180,000-gallon capacity; each train with two (2) membrane filters with a total 3-train combined 58,200-gallon capacity; disinfection with an on-site generated sodium hypochlorite solution via two (2) chlorine contact basins with a total combined 60,764-gallon capacity; a two (2) pump effluent pump station; and two (2) aerobic digesters with the total combined 44,000-gallon capacity. Sludge is hauled to the Arbennie-Pritchett WRF for further treatment then land applied, and reclaimed water is pumped to reuse via a 1.132 MGD, 32.1-wetted acre absorption field system.

The treatment plant is currently flow limited to a permitted capacity of 0.391 MGD AADF due to the capacity of the existing six (6) absorption beds (zones), each 80,500 square feet, for a total combined wetted area of 483,000 sf, and a hydraulic loading rate of 1.3 inches/acre/day. This is an increase in permitted capacity from the previous permit of 0.091 MGD due to the hydraulic loading rate being justified to increase to the existing six zones. The permit also allows for an expansion of existing zones 5 and 6 of 20,298 sf each, zone 7 of 58,311 sf, zone 8 of 69,108 sf, zone 9 of 112,755 sf, zone 10 of 122,129 sf, zone 11 of 132,255 sf, zone 12 of 56,726 sf, and zones 13, 14, 15 and 16 of 80,500 sf each, for a total zone expansion of 913,880 sf, all with a hydraulic loading rate of 1.3 inches/acre/day, for an approved total 32.1-wetted acre absorption field system, with a total combined reuse capacity of 1.132 MGD.

The BSWRF shall remain flow limited to the 0.391 MGD AADF until completion of the absorption bed system expansion and approval by the Department to operate at the treatment facility permitted treatment capacity of 1.0 MGD AADF.

REUSE:

Land Application R-003A: An existing 0.391 MGD annual average daily flow permitted capacity absorption field system. R-003A is a reuse system which consists of Part IV Absorption Beds 1-6 South of Crestview Airport having a capacity of 0.391 MGD located approximately at latitude 30°46' 43" N, longitude 86°30' 56" W. R-003A will be replaced by the expanded project R-003B upon placing it into operation.

Land Application R-003B: An expanded 1.132 MGD annual average daily flow permitted capacity absorption field system. R-003B is a reuse system which consists of Part IV Absorption Beds 1-16 South of Crestview Airport with a wetted area of 32.1 acres having a capacity of 1.132 MGD located approximately at latitude 30°46' 43" N, longitude 86°30' 56" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 1 through 17 of this permit.

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Reuse and Land Application Systems

- During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-003A. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.7.:

Parameter	Units	Max/ Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	0.391 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-02	See I.A.3
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	EFF-02	
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	EFF-02	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Monthly Geometric Mean Annual Average Single Sample	Bi-weekly; every 2 weeks	Grab	EFF-02	See I.A.4
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Meter	EFF-02	
Chlorine, Total Residual (CCC-A)	mg/L	Min	0.5	Single Sample	5 Days/Week	Meter	EFA-02A	
Chlorine, Total Residual (CCC-B)	mg/L	Min	0.5	Single Sample	5 Days/Week	Meter	EFA-02B	
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	EFF-02	
Oxygen, Dissolved Percent Saturation	percent	Max	Report	Single Sample	Quarterly	Meter	SWA-1	
Specific Conductance	umhos/cm	Max	Report	Single Sample	Quarterly	Meter	SWA-1	
Nitrogen, Total	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWA-1	
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWA-1	
pH	s.u.	Max	Report	Single Sample	Quarterly	Meter	SWA-1	
Stream Condition Index	no units	Min	Report	Single Sample	Bi-annually; every 2 years	Calculated	SWA-1	

2. Reclaimed water 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-02	Flow to R-003 - propeller flow meter from effluent pump station
EFF-02	Effluent Pump Station
EFA-02A	Chlorine Contact Chamber A discharge (CCC-A)
EFA-02B	Chlorine Contact Chamber B discharge (CCC-B)
SWA-1	Woods Creek sample location south of absorption beds

3. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
4. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report to be used to calculate the annual average. [62-600.440(4)(c)]
5. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-003B. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.7.:

Parameter	Units	Max/ Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	1.132 Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-02	See I.A.8
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	16-hr FPC	EFF-02	
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	Weekly	16-hr FPC	EFF-02	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Monthly Geometric Mean Annual Average Single Sample	Weekly	Grab	EFF-02	See I.A.9
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	Continuous	Meter	EFF-02	See I.A.7
Chlorine, Total Residual (CCC-A)	mg/L	Min	0.5	Single Sample	Continuous	Meter	EFA-02A	
Chlorine, Total Residual (CCC-B)	mg/L	Min	0.5	Single Sample	Continuous	Meter	EFA-02B	
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	Weekly	16-hr FPC	EFF-02	
Oxygen, Dissolved Percent Saturation	percent	Max	Report	Single Sample	Quarterly	Meter	SWA-1	
Specific Conductance	umhos/cm	Max	Report	Single Sample	Quarterly	Meter	SWA-1	
Nitrogen, Total	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWA-1	
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWA-1	
pH	s.u.	Max	Report	Single Sample	Quarterly	Meter	SWA-1	See I.A.7
Stream Condition Index	no units	Min	Report	Single Sample	Bi-annually; every 2 years	Calculated	SWA-1	

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

Monitoring Site Number	Description of Monitoring Site
FLW-02	Flow to R-003 - propeller flow meter from effluent pump station
EFF-02	Effluent Pump Station
EFA-02A	Chlorine Contact Chamber A discharge (CCC-A)
EFA-02B	Chlorine Contact Chamber B discharge (CCC-B)
SWA-1	Woods Creek sample location south of absorption beds

7. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [Chapter 62-601, Figure 2]
8. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
9. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report to be used to calculate the annual average. [62-600.440(4)(c)]

B. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.7.:

			Limitations		Monitoring Requirements			
Flow (Influent)	MGD	Max Max Max	0.391 Report Report	Annual Average 3-Month Rolling Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-01	See I.B.3 and I.B.4
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	Monthly	Calculated	CAL-01	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	Bi-weekly; every 2 weeks	8-hr FPC	INF-01	See I.B.3
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	Bi-weekly; every 2 weeks	8-hr FPC	INF-01	See I.B.3

2. 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-01	Influent magnetic flow meter on influent line to headworks
CAL-01	Calculated value for percent capacity
INF-01	Influent Pump Station

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
5. 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]

6. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]
7. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

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

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department's Northwest District Office at the address specified in Permit Condition I.B.10. by the twenty-eighth (28th) of the month following the month of operation.

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.[62-620.610(18)][62-601.300(1),(2), and (3)]

8. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. [62-601.300(4)][62-601.500(3)][62-610.300(4)]
9. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. [62-610.870(3)]
10. 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 Northwest District Office at the address specified below:

Florida Department of Environmental Protection
Northwest District Office
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

Phone Number - (850)595-8300
FAX Number - (850)595-8393
(All FAX copies and e-mails shall be followed by original copies.)[62-620.305]
11. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]

II. BIOSOLIDS MANAGEMENT REQUIREMENTS

1. Biosolids generated by this facility may be transferred to Arbennie-Pritchett WRF or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]
2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Condition I.B.7.

			Biosolids Limitations		Monitoring Requirements		
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-3
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-4

[62-640.650(5)(a)1]

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

Monitoring Site Number	Description of Monitoring Site Calculations
RMP-3	Biosolids Transfer to WWTF
RMP-4	Biosolids hauled to Class I Landfill

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]
6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]
7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]
8. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(b) & (c)]
9. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. [62-640.880(1)(b)]
10. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility	Biosolids Treatment Facility or Treatment Facility
1. Date and time shipped	1. Date and time received
2. Amount of biosolids shipped	2. Amount of biosolids received
3. Degree of treatment (if applicable)	3. Name and ID number of source facility
4. Name and ID Number of treatment facility	4. Signature of hauler
5. Signature of responsible party at source facility	5. Signature of responsible party at treatment facility
6. Signature of hauler and name of hauling firm	

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility. [62-640.880(4)]

11. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

III. GROUND WATER REQUIREMENTS

1. The permittee shall give at least 72-hours notice to the Department's Northwest District Office, prior to the installation of any monitoring wells. [62-520.600(6)(h)]
2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. [62-520.600(6)(g)]
3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Northwest District Office well completion reports and soil boring/lithologic logs on the DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. [62-520.600(6)(j) and .900(3)]
4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. [62-532.500(5)]
5. For the Part IV land application system(s), all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for Land Application Site R-003A shall extend horizontally 100 feet from the application site and vertically to the base of the surficial aquifer. The zone of discharge for Land Application Site R-003B shall extend horizontally 100 feet from the application site and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]
6. 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)]

7. If the concentration for any constituent listed in Permit Condition III.10. and 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)]
8. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Conditions III.8. and 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] [62-610.510]
9. The following monitoring wells shall be sampled for Reuse System R-003A located at Land Application Site ABF-003A.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		°	'	"	°	'	"			
MWB-07	Northeast of existing Absorption Bed Field No. 2	30	45	53	86	30	59	43	Surficial	Existing
MWI-08	Middle of existing Absorption Bed Field No. 1 – Was MW-08	30	45	53	86	31	5	43	Surficial	Existing
MWI-09	Center of existing Absorption Bed Field No. 4	30	45	48	86	31	3	49	Surficial	Existing
MWC-10	South of existing Absorption Bed Field No. 5	30	45	43	86	31	5	44	Surficial	Existing
MWC-11	Southeast of existing Absorption Bed Field No. 6	30	45	42	86	30	59	46	Surficial	Existing

MWC = Compliance; MWB = Background; MWI = Intermediate; MWP =Piezometer [62-520.600] [62-610.510]

10. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.8.:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	Report	s.u.	In Situ	Quarterly
Turbidity	Report	NTU	Grab	Quarterly

[62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.310(5)]

11. The following monitoring wells shall be sampled for Reuse System R-003B located at Land Application Site ABF-003B.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		°	'	"	°	'	"			
MWB-07	Northeast of existing Absorption Bed Field No. 2	30	45	53	86	30	59	43	Surficial	Existing
MWI-09	Center of existing Absorption Bed Field No. 4	30	45	48	86	31	3	49	Surficial	Existing
MWI-10	This was MWC-10 previously for ABF-003A	30	45	43	86	31	5	44	Surficial	Existing
MWC-12	Northeast of expanded Absorption Bed Field No. 7	30	45	55	86	30	59	tbd	Surficial	New
MWC-13	West of expanded Absorption Bed Field No. 12	30	45	58	86	31	20	tbd	Surficial	New
MWC-14	South of expanded Absorption Bed Field No. 5	30	45	40	86	31	4	tbd	Surficial	New
MWB-15	Northwest of expanded Absorption Bed Field No. 14	30	46	4	86	31	18	tbd	Surficial	New

MWC = Compliance; MWB = Background; MWI = Intermediate; MWP =Piezometer [62-520.600] [62-610.510]

12. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.11.:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	Report	s.u.	In Situ	Quarterly
Turbidity	Report	NTU	Grab	Quarterly

[62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.310(5)]

13. 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)] [62-610.510(3)(b)]

14. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210] [62-601.700(5)]

15. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Northwest District Office as being more representative of ground water conditions. [62-520.310(5)]

16. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.B.7. [62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-620.610(18)]

17. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Northwest District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Northwest District Office before installation. [62-520.600(6)(l)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part IV Absorption Field System(s)

- Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.518]
- The permittee may allow public access to the absorption field sites. [62-610.518]
- The absorption field shall be operated to preclude saturated conditions from developing at the ground surface. [62-610.500(2)]
- The maximum annual average loading rate to the Part IV Absorption Beds 1-6 South of Crestview Airport shall be limited to 1.3 inches per day (as applied to the entire bottom area of the absorption field trenches or spreading areas). The maximum annual average loading rate to the Part IV Absorption Beds 1-16 South of Crestview Airport shall be limited to 1.3 inches per day (as applied to the entire bottom area of the absorption field trenches or spreading areas). [62-610.523(3)]
- The Part IV Absorption Beds 1-6 South of Crestview Airport normally shall be loaded for 0.17 days (four hours) and shall be rested for 0.83 days (twenty hours). The Part IV Absorption Beds 1-16 South of Crestview Airport normally shall be loaded for 0.17 days (four hours) and shall be rested for 0.83 days (twenty hours). Absorption fields shall be allowed to dry during the resting portion of the cycle. [62-610.523(4)]
- Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.414 and 62-610.514]
- Overflows from absorption fields or from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. [62-610.800(9)]

V. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a(n) operator(s) certified in accordance with Chapter 62-602, F.A.C. Following installation of an electronic surveillance system that is monitored at the Arbennie Pritchett WRF, FLA485942, 24 hrs/day 7 days/wk and upon approval by the Department, staffing may be reduced as indicated below. In accordance with Chapter 62-699, F.A.C., at a minimum, operators with appropriate certification must be on the site as follows:

At a permitted capacity of 1.0 MGD the facility is a Category I, Class B facility and shall be staffed at a minimum as follows:

A Class C or higher operator 16 hours/day for 7 days/week. The lead/chief operator must be a Class B operator, or higher. [62-699.311(2)(a)1]

When monitored by an approved electronic surveillance system, the facility may be staffed as follows:

A Class C or higher operator 8 hours/day for 7 days/week with the 8 hours/day of staffing occurring during the 8-hour period of greatest influent flow or water production. The lead/chief operator must be a Class B operator, or higher. [62-699.311(4)(a)2]

At a permitted capacity of 1.0 MGD and when the actual treatment plant influent flow is 0.500 MGD or less the facility is a Category I, Class B facility, however, staffing may be reduced to a minimum as follows:

A Class C or higher operator 6 hours/day for 5 days/week and one visit on each weekend day. The lead/chief operator must be a Class B operator, or higher. [62-699.311(2)(a)1 and 62-699.311(8)(a)and (b)]

At the flow limited capacity of 0.391 MGD the facility is a Category I, Class C facility and shall be staffed at a minimum as follows:

A Class C or higher operator 6 hours/day for 5 days/week and one visit on each weekend day. The lead/chief operator must be a Class C operator, or higher. [62-699.311(2)(a)1]

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(10), (6) and (1)]

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. When the three-month average daily flow for the most recent three consecutive months exceeds 50 percent of the permitted capacity of the treatment plant or reuse and disposal systems, the permittee shall submit to the Department a capacity analysis report. This initial capacity analysis report shall be submitted within 180 days after the last day of the last month of the three-month period referenced above. The capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(4)]
2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1)]

C. Recordkeeping Requirements

1. 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. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
 - e. A copy of the current permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of any required record drawings;
 - h. Copies of the licenses of the current certified operators;
 - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
 - j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.
- [62-620.350, 62-602.650, 62-640.650(4)]

VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule:

Improvement Action	Completion Date
1. Prior to construction of the expanded/new absorption beds and construction of new monitoring wells, submit to the Department for approval a plan to revise the ground water monitoring plan for R-003B, condition III.11.	Submittal and DEP approval required prior to start of construction of any new monitoring wells and prior to construction of the expanded/new absorption beds
2. Construct absorption fields, expand Zones 5 and 6, construct new Zones 7 - 16	Complete Construction six months prior to 3 Month ADF exceeding capacity for Zones 1-6

[62-600.405(8)(d), 62-600.405(9)]

2. Prior to placing the modifications to existing facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Wastewater Facilities or Activities. [62-620.410(7) and 62-620.630(2)]
3. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. [62-620.410(6) and 62-620.630(7)]
4. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
- a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or

- b. The permittee has made complete the application for renewal of this permit before the permit expiration date. [62-620.335(1) - (4)]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. This facility is not required to have a pretreatment program at this time. [62-625.500]

VIII. OTHER SPECIFIC CONDITIONS

1. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(8) and 62-640.400(6)]
2. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(3)]
3. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
4. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
 - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.[62-604.130(5)]
5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-610.518(1) and 62-600.400(2)(b)]
6. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a)]
7. 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)]
8. The permittee shall provide verbal notice to the Department's Northwest 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,

wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Northwest District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

9. The permittee shall provide notice to the Department of the following:
 - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C., if it were directly discharging those pollutants; and
 - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

Notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

[62-620.625(2)]

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:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11)]
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]
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 Northwest 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 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.
 - (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's Northwest 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 Northwest 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., IX.18., or IX.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. of this permit; and
 - (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.
[62-620.610(23)]

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Elizabeth Mullins Orr
Permitting Program Administrator

PERMIT ISSUANCE DATE: May 12, 2015

Attachment(s):

WWTF Site Plan

WWTF Process Flow Diagram

Absorption Bed Diagram

DMR Part A R-003A Monthly

DMR Part B Daily

DMR Part A R-003A Quarterly

DMR Part D Ground Water for R-003A

DMR Part A Annual Reclaimed Water Analysis

DMR Part A Monthly Biosolids Quantity

DMR R-003A Bi-Annually

DMR Instructions

DMR Part A R-003B Monthly (not included, will be provided when expansion placed into service)

DMR Part D Ground Water for R-003B (not included, will be provided when expansion placed into service)

1. PROVIDE GRASSING FOR ALL DISTURBED AREAS AS SPECIFIED.
2. PROVIDE EROSION CONTROL BMPs AS SPECIFIED. SEE (5) & (6) FOR DETAILS.



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OVERALL SITE PLAN

BOB SIKES WRF



188 LEWIS TURNER BLVD.
PORT WALTON BEACH, FL 32547

FILE [FS]VFL-03-01-011C-01

FILE # 13-035-010

VERIFY SCALE

BAR IS ONE INCH OF
ORIGINAL DRAWING

0

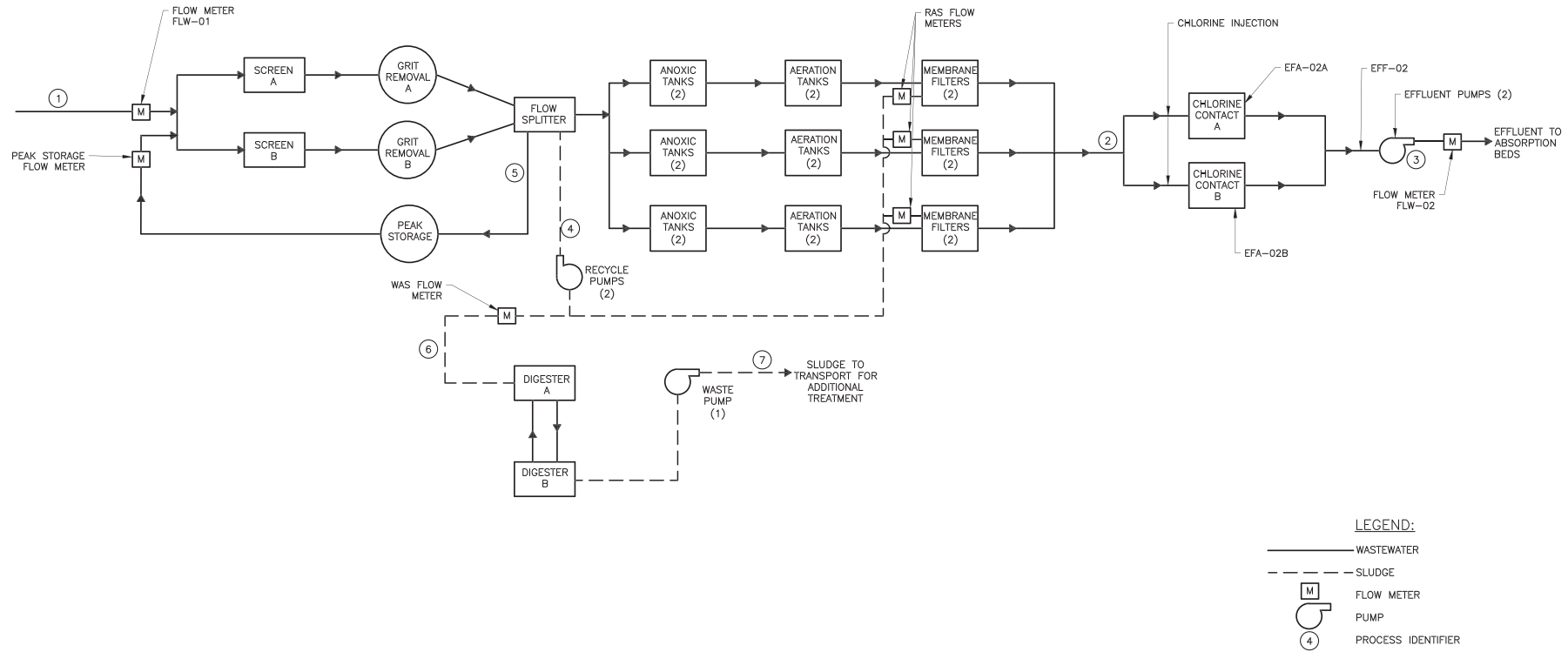
DATE JUNE 2006

PROJ.	100064
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DWG. C-1

Z:\PROJECT FILES\100500.08_OBMS - TO OB BOB SIKES PERMIT\REVISED\DESIGN\275 PERMITS-REGULATORY SIKES PROCESS FLOW DIAGRAM.DWG
RELEASE OF DOCUMENTS: THIS DOCUMENT AND THE DATA AND DESIGN INCORPORATED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICE. IT IS THE PROPERTY OF CONSTANTINE ENGINEERING, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CONSTANTINE ENGINEERING, INC.

PROCESS FLOW



Stream ID	
1	Plant Influent
2	Membrane Permeate
3	Plant Effluent
4	Plant Recycle
5	Peak By-pass
6	Waste Sludge
7	Digested Sludge

PROCESS COMPONENTS			
Component	Number of Units	Volume	Capacity
Rotary Drum Screens	2	-	3.5 MGD (each)
Grit Removal	1	-	4MGD (each)
Anoxic Tanks	6	10,700 gal (each)	3.5 MGD
Aeration Basins	6	30,000 gal (each)	3.5 MGD
Membrane Filter	6	9700 gal (each)	3.5 MGD
Chlorine Contact	2	30,382 gal (each)	3.5 MGD
Sludge Digester	2	44,000 gallons (total)	

PUMPS			
Pump	Number of Units	Horse Power	Capacity
Effluent Pump	2	60	3050 GPM (each)
Plant Recycle	2	10	3400 GPM (each)
Waste Pumps	1	3	150 GPM

Monitoring Site Locations	
Monitoring Site	Description
FLW-02	Located after the chlorine contact basins
EFF-02	Located at the effluent pump station
EFA-02A	Located in chlorine contact chamber #1 just before the discharge weir
EFA-02B	Located in chlorine contact chamber #2 just before the discharge weir
INF-01	Located at on-site influent pump station
FLW-01	Located at line heading up to headworks

ENGINEER SEAL

FILE	SEE LEFT	DATE	APRIL 2014
VERIFY SCALE		PROJ.	100500.08
DATE	APRIL 2014	DWG.	G-X
PROJ.	100500.08		
DWG.	G-X		
DESIGNED BY:	KL	CHECKED BY:	KL
DRAWN BY:	RM	APPROVED BY:	JK
SCALE:			
REVISION:			
NO.			
DATE			
BY			
CHKD			
APPD			

PROCESS FLOW DIAGRAM

BOB SIKES WRF



FILE SEE LEFT

VERIFY SCALE

DATE APRIL 2014

PROJ. 100500.08

DWG.

G-X

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: Okaloosa County Water & Sewer
MAILING ADDRESS: 1804 Lewis Turner Blvd Ste 300
Fort Walton Beach, Florida 32547-1285

PERMIT NUMBER: FLA010181-009-DW1P

FACILITY: Bob Sikes WRF
LOCATION: 5581 Fairchild Rd
Crestview, FL 32539-6191

LIMIT: Final
CLASS SIZE: N/A
MONITORING GROUP NUMBER: R-003A
MONITORING GROUP: Part IV Absorption Field 1-6 at Crestview Airport, with Influent
DESCRIPTION:

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

COUNTY: Okaloosa

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

OFFICE: Northwest District

To: _____

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. FLW-02	Permit Requirement		0.391 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-02	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 Y Mon. Site No. EFF-02	Permit Requirement					20.0 (An.Avg.)		mg/L		Bi-weekly; every 2 weeks	8-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 1 Mon. Site No. EFF-02	Permit Requirement				60.0 (Max.)	45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. EFF-02	Permit Requirement						10.0 (Max.)	mg/L		Bi-weekly; every 2 weeks	8-hr FPC
Coliform, Fecal	Sample Measurement										
PARM Code 74055 Y Mon. Site No. EFF-02	Permit Requirement					200 (An.Avg.)		#/100mL		Bi-weekly; every 2 weeks	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: Bob Sikes WRF

MONITORING GROUP NUMBER: R-003A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement										
PARM Code 74055 1 Mon. Site No. EFF-02	Permit Requirement				Report (Mo.Geo.Mn.)	800 (Max.)	#/100mL			Bi-weekly; every 2 weeks	Grab
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-02	Permit Requirement				6.0 (Min.)	8.5 (Max.)	s.u.			5 Days/Week	Meter
Chlorine, Total Residual (CCC-A)	Sample Measurement										
PARM Code 50060 A Mon. Site No. EFA-02A	Permit Requirement				0.5 (Min.)		mg/L			5 Days/Week	Meter
Chlorine, Total Residual (CCC-B)	Sample Measurement										
PARM Code 50060 P Mon. Site No. EFA-02B	Permit Requirement				0.5 (Min.)		mg/L			5 Days/Week	Meter
Nitrogen, Nitrate, Total (as N)	Sample Measurement										
PARM Code 00620 1 Mon. Site No. EFF-02	Permit Requirement					12.0 (Max.)	mg/L			Bi-weekly; every 2 weeks	8-hr FPC
Flow (Influent)	Sample Measurement										
PARM Code 50050 P Mon. Site No. FLW-01	Permit Requirement		0.391 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow (Influent)	Sample Measurement										
PARM Code 50050 Q Mon. Site No. FLW-01	Permit Requirement	Report (Mo.Avg.)	Report (3Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement										
PARM Code 00180 P Mon. Site No. CAL-01	Permit Requirement					Report (Mo.Avg.)	percent			Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement										
PARM Code 80082 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L			Bi-weekly; every 2 weeks	8-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement										
PARM Code 00530 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L			Bi-weekly; every 2 weeks	8-hr FPC

DAILY SAMPLE RESULTS - PART B

Permit Number:
Monitoring Period

FLA010181-009-DW1P

From: _____ To: _____

Facility: Bob Sikes WRF

	Chlorine, Total Residual (CCC-A) mg/L	Chlorine, Total Residual (CCC-B) mg/L	BOD, Carbonaceous 5 day, 20C mg/L	Coliform, Fecal #/100mL	Nitrogen, Nitrate, Total (as N) mg/L	Solids, Total Suspended mg/L	pH s.u.	Flow (Influent) MGD	Flow MGD	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L
Code	50060	50060	80082	74055	00620	00530	00400	50050	50050	80082	00530
Mon. Site	EFA-02A	EFA-02B	EFF-02	EFF-02	EFF-02	EFF-02	EFF-02	FLW-01	FLW-02	INF-01	INF-01
1											
2											
3											
4											
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25											
26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

PLANT STAFFING:

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

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

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

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

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: Okaloosa County Water & Sewer
MAILING ADDRESS: 1804 Lewis Turner Blvd Ste 300
Fort Walton Beach, Florida 32547-1285

PERMIT NUMBER: FLA010181-009-DW1P

FACILITY: Bob Sikes WRF
LOCATION: 5581 Fairchild Rd

Crestview, FL 32539-6191

LIMIT: Final
CLASS SIZE: N/A
MONITORING GROUP NUMBER: R-003A
MONITORING GROUP: Part IV Absorption Field 1-6 at Crestview Airport
DESCRIPTION:
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Quarterly
PROGRAM: Domestic

COUNTY: Okaloosa

OFFICE: Northwest District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Oxygen, Dissolved Percent Saturation	Sample Measurement										
PARM Code 00301 P Mon. Site No. SWA-1	Permit Requirement					Report (Max.)	percent			Quarterly	Meter
Specific Conductance	Sample Measurement										
PARM Code 00095 P Mon. Site No. SWA-1	Permit Requirement					Report (Max.)	umhos/cm			Quarterly	Meter
Nitrogen, Total	Sample Measurement										
PARM Code 00600 P Mon. Site No. SWA-1	Permit Requirement					Report (Max.)	mg/L			Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 P Mon. Site No. SWA-1	Permit Requirement					Report (Max.)	mg/L			Quarterly	Grab
pH	Sample Measurement										
PARM Code 00400 P Mon. Site No. SWA-1	Permit Requirement					Report (Max.)	s.u.			Quarterly	Meter

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):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bob Sikes WRF
 Permit Number: FLA010181-009-DW1P
 County: Okaloosa

Monitoring Well ID: MWB-07
 Well Type: Background
 Description: Northeast of existing
 Absorption Bed Field No. 2

Report Frequency: Quarterly
 Program: Domestic

Office: Northwest District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____ Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___ Yes ___ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In Situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		Report	mg/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		Report	mg/L	Grab	Quarterly				
Coliform, Fecal	74055		Report	#/100mL	Grab	Quarterly				
pH	00400		Report	s.u.	In Situ	Quarterly				
Turbidity	00070		Report	NTU	Grab	Quarterly				

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bob Sikes WRF
 Permit Number: FLA010181-009-DW1P
 County: Okaloosa

Monitoring Well ID: MWI-08
 Well Type: Intermediate
 Description: Middle of existing
 Absorption Bed Field No. 1

Report Frequency: Quarterly
 Program: Domestic

Office: Northwest District

Re-submitted DMR: ☐

Monitoring Period

From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___ Yes ___ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In Situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		Report	mg/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		Report	mg/L	Grab	Quarterly				
Coliform, Fecal	74055		Report	#/100mL	Grab	Quarterly				
pH	00400		Report	s.u.	In Situ	Quarterly				
Turbidity	00070		Report	NTU	Grab	Quarterly				

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bob Sikes WRF
 Permit Number: FLA010181-009-DW1P
 County: Okaloosa

Monitoring Well ID: MWI-09
 Well Type: Intermediate
 Description: Center of existing
 Absorption Bed Field No. 4

Report Frequency: Quarterly
 Program: Domestic

Office: Northwest District

Re-submitted DMR: ☐

Monitoring Period

From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___ Yes ___ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In Situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		Report	mg/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		Report	mg/L	Grab	Quarterly				
Coliform, Fecal	74055		Report	#/100mL	Grab	Quarterly				
pH	00400		Report	s.u.	In Situ	Quarterly				
Turbidity	00070		Report	NTU	Grab	Quarterly				

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COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bob Sikes WRF
 Permit Number: FLA010181-009-DW1P
 County: Okaloosa

Monitoring Well ID: MWC-10
 Well Type: Compliance
 Description: South of existing
 Absorption Bed Field No. 5

Report Frequency: Quarterly
 Program: Domestic

Office: Northwest District

Re-submitted DMR: ☐

Monitoring Period

From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___ Yes ___ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In Situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	mg/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Quarterly				
Coliform, Fecal	74055		4	#/100mL	Grab	Quarterly				
pH	00400		Report	s.u.	In Situ	Quarterly				
Turbidity	00070		Report	NTU	Grab	Quarterly				

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COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bob Sikes WRF
 Permit Number: FLA010181-009-DW1P
 County: Okaloosa

Monitoring Well ID: MWC-11
 Well Type: Compliance
 Description: Southeast of existing
 Absorption Bed Field No. 6

Report Frequency: Quarterly
 Program: Domestic

Office: Northwest District

Re-submitted DMR: ☐

Monitoring Period

From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ____ Yes ____ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In Situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	mg/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Quarterly				
Coliform, Fecal	74055		4	#/100mL	Grab	Quarterly				
pH	00400		Report	s.u.	In Situ	Quarterly				
Turbidity	00070		Report	NTU	Grab	Quarterly				

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

COMMENTS AND EXPLANATION (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: Okaloosa County Water & Sewer
MAILING ADDRESS: 1804 Lewis Turner Blvd Ste 300
Fort Walton Beach, Florida 32547-1285

PERMIT NUMBER: FLA010181-009-DW1P

FACILITY: Bob Sikes WRF
LOCATION: 5581 Fairchild Rd

Crestview, FL 32539-6191

LIMIT: Final
CLASS SIZE: N/A
MONITORING GROUP NUMBER: RWS-A
MONITORING GROUP: Annual Reclaimed Water or Effluent Analysis
DESCRIPTION:
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

COUNTY: Okaloosa

OFFICE: Northwest District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Antimony, Total Recoverable (GWS = 6)*	Sample Measurement										
PARM Code 01268 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Arsenic, Total Recoverable (GWS = 10)	Sample Measurement										
PARM Code 00978 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Barium, Total Recoverable (GWS = 2,000)	Sample Measurement										
PARM Code 01009 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Beryllium, Total Recoverable (GWS = 4)	Sample Measurement										
PARM Code 00998 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Cadmium, Total Recoverable (GWS = 5)	Sample Measurement										
PARM Code 01113 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Chromium, Total Recoverable (GWS =100)	Sample Measurement										
PARM Code 01118 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC

*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

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: Bob Sikes WRF

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Cyanide, Free (amen. to chlorination)(GWS = 200)	Sample Measurement										
PARM Code 00722 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Fluoride, Total (as F) (GWS = 4.0/2.0)	Sample Measurement										
PARM Code 00951 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Lead, Total Recoverable (GWS = 15)	Sample Measurement										
PARM Code 01114 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Mercury, Total Recoverable (GWS = 2)	Sample Measurement										
PARM Code 71901 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Nickel, Total Recoverable (GWS = 100)	Sample Measurement										
PARM Code 01074 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Nitrogen, Nitrate, Total (as N) (GWS = 10)	Sample Measurement										
PARM Code 00620 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Nitrogen, Nitrite, Total (as N) (GWS = 1)	Sample Measurement										
PARM Code 00615 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10)	Sample Measurement										
PARM Code 00630 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Selenium, Total Recoverable (GWS =50)	Sample Measurement										
PARM Code 00981 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Sodium, Total Recoverable (GWS = 160)	Sample Measurement										
PARM Code 00923 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bob Sikes WRF

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Thallium, Total Recoverable (GWS = 2)	Sample Measurement										
PARM Code 00982 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
1,1-dichloroethylene (GWS = 7)	Sample Measurement										
PARM Code 34501 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
1,1,1-trichloroethane (GWS = 200)	Sample Measurement										
PARM Code 34506 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
1,1,2-trichloroethane (GWS = 5)	Sample Measurement										
PARM Code 34511 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
1,2-dichloroethane (GWS = 3)	Sample Measurement										
PARM Code 32103 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
1,2-dichloropropane (GWS = 5)	Sample Measurement										
PARM Code 34541 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
1,2,4-trichlorobenzene (GWS = 70)	Sample Measurement										
PARM Code 34551 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Benzene (GWS = 1)	Sample Measurement										
PARM Code 34030 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Carbon tetrachloride (GWS = 3)	Sample Measurement										
PARM Code 32102 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Cis-1,2-dichloroethene (GWS = 70)	Sample Measurement										
PARM Code 81686 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bob Sikes WRF

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Dichloromethane (methylene chloride)(GWS = 5)	Sample Measurement										
PARM Code 03821 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Ethylbenzene (GWS = 700)	Sample Measurement										
PARM Code 34371 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Monochlorobenzene (GWS = 100)	Sample Measurement										
PARM Code 34031 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
1,2-dichlorobenzene (GWS = 600)	Sample Measurement										
PARM Code 34536 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
1,4-dichlorobenzene (GWS = 75)	Sample Measurement										
PARM Code 34571 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Styrene, Total (GWS = 100)	Sample Measurement										
PARM Code 77128 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Tetrachloroethylene (GWS = 3)	Sample Measurement										
PARM Code 34475 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Toluene (GWS = 1,000)	Sample Measurement										
PARM Code 34010 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
1,2-trans-dichloroethylene (GWS = 100)	Sample Measurement										
PARM Code 34546 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Trichloroethylene (GWS = 3)	Sample Measurement										
PARM Code 39180 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bob Sikes WRF

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Vinyl chloride (GWS = 1)	Sample Measurement										
PARM Code 39175 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Xylenes (GWS = 10,000)	Sample Measurement										
PARM Code 81551 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10 ⁻⁵)	Sample Measurement										
PARM Code 34675 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
2,4-dichlorophenoxyacetic acid (GWS = 70)	Sample Measurement										
PARM Code 39730 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Silvex (GWS = 50)	Sample Measurement										
PARM Code 39760 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Alachlor (GWS = 2)	Sample Measurement										
PARM Code 39161 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Atrazine (GWS = 3)	Sample Measurement										
PARM Code 39033 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Benzo(a)pyrene (GWS = 0.2)	Sample Measurement										
PARM Code 34247 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Carbofuran (GWS = 40)	Sample Measurement										
PARM Code 81405 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Chlordane (tech mix. and metabolites)(GWS = 2)	Sample Measurement										
PARM Code 39350 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bob Sikes WRF

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Dalapon (GWS = 200)	Sample Measurement										
PARM Code 38432 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Bis(2-ethylhexyl)adipate (GWS = 400)	Sample Measurement										
PARM Code 77903 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Bis (2-ethylhexyl) phthalate (GWS = 6)	Sample Measurement										
PARM Code 39100 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Dibromochloropropane (DBCP) (GWS = 0.2)	Sample Measurement										
PARM Code 82625 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Dinoseb (GWS = 7)	Sample Measurement										
PARM Code 30191 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Diquat (GWS = 20)	Sample Measurement										
PARM Code 04443 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Endothall (GWS = 100)	Sample Measurement										
PARM Code 38926 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Endrin (GWS = 2)	Sample Measurement										
PARM Code 39390 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02)	Sample Measurement										
PARM Code 77651 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	Grab
Glyphosate (GWS = 0.7)	Sample Measurement										
PARM Code 79743 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bob Sikes WRF

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Heptachlor (GWS = 0.4)	Sample Measurement										
PARM Code 39410 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Heptachlor epoxide (GWS = 0.2)	Sample Measurement										
PARM Code 39420 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Hexachlorobenzene (GWS = 1)	Sample Measurement										
PARM Code 39700 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Hexachlorocyclopentadiene (GWS = 50)	Sample Measurement										
PARM Code 34386 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Gamma BHC (Lindane) (GWS = 0.2)	Sample Measurement										
PARM Code 39782 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Methoxychlor (GWS = 40)	Sample Measurement										
PARM Code 39480 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Oxamyl (vydate) (GWS = 200)	Sample Measurement										
PARM Code 38865 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Pentachlorophenol (GWS = 1)	Sample Measurement										
PARM Code 39032 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Picloram (GWS = 500)	Sample Measurement										
PARM Code 39720 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Polychlorinated Biphenyls (PCBs)(GWS = 0.5)	Sample Measurement										
PARM Code 39516 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bob Sikes WRF

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Simazine (GWS = 4)	Sample Measurement										
PARM Code 39055 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Toxaphene (GWS = 3)	Sample Measurement										
PARM Code 39400 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Trihalomethane, Total by summation(GWS = 0.080)	Sample Measurement										
PARM Code 82080 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	Grab
Radium 226 + Radium 228, Total (GWS = 5)	Sample Measurement										
PARM Code 11503 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	pCi/L			Annually	24-hr FPC
Alpha, Gross Particle Activity (GWS = 15)	Sample Measurement										
PARM Code 80045 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	pCi/L			Annually	24-hr FPC
Aluminum, Total Recoverable (GWS = 0.2)	Sample Measurement										
PARM Code 01104 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Chloride (as Cl) (GWS = 250)	Sample Measurement										
PARM Code 00940 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Iron, Total Recoverable (GWS = 0.3)	Sample Measurement										
PARM Code 00980 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Copper, Total Recoverable (GWS = 1,000)	Sample Measurement										
PARM Code 01119 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Manganese, Total Recoverable (GWS = 50)	Sample Measurement										
PARM Code 11123 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bob Sikes WRF

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FLA010181-009-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Silver, Total Recoverable (GWS = 100)	Sample Measurement										
PARM Code 01079 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
Sulfate, Total (GWS = 250)	Sample Measurement										
PARM Code 00945 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Zinc, Total Recoverable (GWS = 5,000)	Sample Measurement										
PARM Code 01094 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L			Annually	24-hr FPC
pH (GWS = 6.5-8.5)	Sample Measurement										
PARM Code 00400 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	s.u.			Annually	Grab
Solids, Total Dissolved (TDS) (GWS = 500)	Sample Measurement										
PARM Code 70295 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC
Foaming Agents (GWS = 0.5)	Sample Measurement										
PARM Code 01288 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L			Annually	24-hr FPC

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: Okaloosa County Water & Sewer
MAILING ADDRESS: 1804 Lewis Turner Blvd Ste 300
Fort Walton Beach, Florida 32547-1285

PERMIT NUMBER: FLA010181-009-DW1P

FACILITY: Bob Sikes WRF
LOCATION: 5581 Fairchild Rd
Crestview, FL 32539-6191

LIMIT: Final
CLASS SIZE: N/A
MONITORING GROUP NUMBER: RMP-Q
MONITORING GROUP: Biosolids Quantity
DESCRIPTION:
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

COUNTY: Okaloosa

OFFICE: Northwest District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Transferred)	Sample Measurement										
PARM Code B0007 + Mon. Site No. RMP-3	Permit Requirement		Report (Mo.Total)	dry tons						Monthly	Calculated
Biosolids Quantity (Landfilled)	Sample Measurement										
PARM Code B0008 + Mon. Site No. RMP-4	Permit Requirement		Report (Mo.Total)	dry tons						Monthly	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):

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: Okaloosa County Water & Sewer
MAILING ADDRESS: 1804 Lewis Turner Blvd Ste 300
Fort Walton Beach, Florida 32547-1285

PERMIT NUMBER: FLA010181-009-DW1P

FACILITY: Bob Sikes WRF
LOCATION: 5581 Fairchild Rd
Crestview, FL 32539-6191

LIMIT: Final
CLASS SIZE: N/A
MONITORING GROUP NUMBER: R-003A
MONITORING GROUP: Part IV Absorption Field 1-6 at Crestview Airport
DESCRIPTION:

REPORT FREQUENCY: Every Two Years
PROGRAM: Domestic

COUNTY: Okaloosa

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

OFFICE: Northwest District

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Stream Condition Index	Sample Measurement										
PARM Code SCIND P Mon. Site No. SWA-1	Permit Requirement						Report (Min.)	no units		Bi-annually; every 2 years	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):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

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

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

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

CODE	DESCRIPTION/INSTRUCTIONS
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, unless indicated otherwise in the permit or on the DMR:

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. Data qualifier codes are not to be reported on Part A.

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

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

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

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

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

PART B - DAILY SAMPLE RESULTS

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

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

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

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

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

PART D - GROUND WATER MONITORING REPORT

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

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

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

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.

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

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

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

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

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

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

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

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

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

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

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

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

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

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

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

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

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

**STATEMENT OF BASIS
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FLA010181-009

FACILITY NAME: Bob Sikes Water Reclamation Facility (BSWRF)

FACILITY LOCATION: 5581 Fairchild Rd, Crestview, FL 32539-6191
Okaloosa County

NAME OF PERMITTEE: Okaloosa County Water & Sewer

PERMIT WRITER: David Morres

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FLA010181-009-DW1P-NRL

Application Submittal Date: December 23, 2014

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: County

SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity: 1.0 mgd Annual Average Daily Flow

Proposed Increase in Permitted Capacity: 0.0 mgd Annual Average Daily Flow

Proposed Total Permitted Capacity: 1.0 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

The Bob Sikes Water Reclamation Facility (BSWRF) treatment facility is a 1.0 MGD annual average daily flow (AADF) design capacity, membrane bio-reactor (MBR) process wastewater reclamation facility. The BSWRF treatment facility includes a two-train head works, each train with a rotary drum screen, a grit removal system, a peak flow bypass pump and a common flow splitter box; a 0.5 MGD lined peak flow storage pond; a three (3) train MBR, each train with two (2) anoxic basins with a total 3-train combined 64,200-gallon capacity, each train with two (2) aeration basins with a total 3-train combined 180,000-gallon capacity; each train with two (2) membrane filters with a total 3-train combined 58,200-gallon capacity; disinfection with an on-site generated sodium hypochlorite solution via two (2) chlorine contact basins with a total combined 60,764-gallon capacity; a two (2) pump effluent pump station; and two (2) aerobic digesters with the total combined 44,000-gallon capacity. Sludge is hauled to the Arbennie-Pritchett WRF for further treatment then land applied, and reclaimed water is pumped to reuse via a 1.132 MGD, 32.1-wetted acre absorption field system. The treatment plant is currently flow limited to a permitted capacity of 0.391 MGD AADF due to the capacity of the existing six (6) absorption beds (zones), each 80,500 square feet, for a total combined wetted area of 483,000 sf, and a hydraulic loading rate of 1.3 inches/acre/day. This is an increase in existing permitted capacity from the previous permit of 0.091 MGD due to the hydraulic loading rate being justified to increase to the existing six zones. The permit also allows for an expansion of existing zones 5 and 6 of 20,298 sf each, zone 7 of 58,311 sf, zone 8 of 69,108 sf, zone 9 of 112,755 sf, zone 10 of 122,129 sf, zone 11 of 132,255 sf, zone 12 of 56,726 sf, and zones 13, 14, 15 and 16 of 80,500 sf

each, for a total zone expansion of 913,880 sf, all with a hydraulic loading rate of 1.3 inches/acre/day, for an approved total 32.1-wetted acre absorption field system, with a total combined reuse capacity of 1.132 MGD. The BSWRF shall remain flow limited to the 0.391 MGD AADF until completion of the absorption bed system expansion and approval by the Department to operate at the permitted treatment capacity of 1.0 MGD AADF.

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

See attached map(s) for effluent disposal and land application site(s).

2. SUMMARY OF SURFACE WATER DISCHARGE

This facility does not discharge to surface waters.

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

This facility is authorized to direct reclaimed water to Reuse System R-003B, an absorption field system, based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	1.132	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.510 & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	62-610.510(2) FAC
Coliform, Fecal	#/100mL	Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
		Max	200	Annual Average	62-610.510 & 62-600.440(4)(c)1. FAC
		Max	800	Single Sample	62-600.440(4)(c)4. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (CCC-A)	mg/L	Min	0.5	Single Sample	62-610.510 & 62-600.440(4)(b) FAC
Chlorine, Total Residual (CCC-B)	mg/L	Min	0.5	Single Sample	62-610.510 & 62-600.440(4)(b) FAC
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	62-610.510(1) FAC
Oxygen, Dissolved Percent Saturation	percent	Max	Report	Single Sample	62-302.530
Specific Conductance	umhos/cm	Max	Report	Single Sample	62-302.530
Nitrogen, Total	mg/L	Max	Report	Single Sample	62-302.530
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	62-302.530
pH	s.u.	Max	Report	Single Sample	62-302.530
Diversity Index: Shannon-Weaver	no units	Max	Report	Single Sample	62-302.530

This permit renewal re-authorizes the construction of the expansion of Zones 5 and 6, and the construction of Zones 7 through 16, for a total wetted area of 32.1 acres, and a reuse capacity of 1.132 MGD AADF.

This facility is authorized to direct reclaimed water to Reuse System R-003A, an absorption field system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	0.391	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.510 & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	62-610.510(2) FAC
Coliform, Fecal	#/100mL	Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
		Max	200	Annual Average	62-610.510 & 62-600.440(4)(c)1. FAC
		Max	800	Single Sample	62-600.440(4)(c)4. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (CCC-A)	mg/L	Min	0.5	Single Sample	62-610.510 & 62-600.440(4)(b) FAC
Chlorine, Total Residual (CCC-B)	mg/L	Min	0.5	Single Sample	62-610.510 & 62-600.440(4)(b) FAC
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	62-610.510(1) FAC
Oxygen, Dissolved Percent Saturation	percent	Max	Report	Single Sample	62-302.530
Specific Conductance	umhos/cm	Max	Report	Single Sample	62-302.530
Nitrogen, Total	mg/L	Max	Report	Single Sample	62-302.530
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	62-302.530
pH	s.u.	Max	Report	Single Sample	62-302.530
Diversity Index: Shannon-Weaver	no units	Max	Report	Single Sample	62-302.530

The reuse to Absorption Fields Zones 1-6 is being increased from 0.30 MGD AADF to 0.391 MGD AADF based on justification to increase the hydraulic loading rate to 1.3 inches/day over the wetted surface area of 483,000 s.f. The facility will be flow limited to the 0.391 MGD until the construction has been completed for expansion of Zones 5 and 6, and for Zones 7 through 16. At that time, the reuse capacity will be 1.132 MGD AADF, and the facility can receive approval for its permitted treatment capacity of 1.0 MGD AADF. The required loading and resting periods in days for absorption beds 1-6 has been provided in fraction of days. The existing six beds are being operated such that they are loaded for 0.17 days (four hours), and rested for 0.83 days (twenty hours).

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (Influent)	MGD	Max	0.391	Annual Average	62-600.400(3)(b) FAC
		Max	Report	3-Month Rolling Average	62-600.400(3)(b) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility, FLA010181-006-DW1P/NR expires on May 26, 2015. All limits are brought forward from the current permit, and a later revision, FLA010181-007-DW1P which reduced the groundwater monitoring well parameter reporting requirements, and this renewal further reduces some of the sampling required in the Woods Creek surface water site, SWA-1. Due to the justification for an increase in the hydraulic loading rate of 1.3 inches/acre/day for the existing six (6) absorption beds (zones), the permitted capacity for this permit renewal, FLA010181-009-DW1P/NRL, is increased from 0.30 MGD AADF to 0.391 MGD AADF. The facility is currently flow limited to the 0.391 MGD until the approved expansion of the absorption bed system is constructed and approval is granted by the Department to operate the facility at its approved treatment capacity of 1.0 MGD AADF.

This permit renewal FLA010181-009-DW1P/NRL is being issued for a term exceeding five years. In accordance with Section 403.087(3), Florida Statutes (F.S.), the Department shall issue a domestic wastewater facility permit for terms up to 10 years if certain conditions are met. In order for the facility to qualify for a term exceeding five years, each of the required ten conditions must be met, including that the permittee requests the permit be issued for a term exceeding five years. The permittee has requested that the permit be issued for a term of ten years, and the facility qualifies for a ten year permit by meeting each of the required conditions.

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be transferred to Arbennie-Pritchett WRF or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency	All Parameters				62-640.650(5)(a) FAC

6. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 601, 610, and 620, F.A.C. In this permit renewal, monitoring well MWB-08 is being changed to an intermediate well, MWI-08, due to its location in one of the existing absorption bed zones (Zone 1). The monitoring wells MWB-07, MWI-08, MWI-09, MWC-10 and MWC-11 are existing and apply to the reuse to the existing six absorption beds, Zones 1-6 (ABF-003A) with a reuse capacity of 0.391 MGD (R-003A). Once the new Zones have been constructed (expanded Zones 5 and 6, and new Zones 7 through 16), the reuse capacity will be 1.132 MGD (R-003B), and existing monitoring wells MWC-07, MWI-09, MWI-10 (changed from existing MWC-10), and MWC-11, and new monitoring wells (to be constructed) MWC-12, MWC-13, MWC-14 and MWB-15 will apply for the expanded absorption bed zones (ABF-003B).

7. PERMIT SCHEDULES

A schedule has been included in the wastewater permit renewal for construction of the expanded Zones 5 and 6, and construction of Zones 7 through 16. The schedule is based on the flow to the existing 6 zones, which flow limits the treatment facility to 0.391 MGD AADF (R-003A). The schedule also requires that a plan be submitted to the Department for approval prior to any construction of new monitoring wells and absorption beds to identify the location and type of monitoring wells to be constructed for the expansion.

8. INDUSTRIAL PRETREATMENT REQUIREMENTS

At this time, the facility is not required to develop an approved industrial pretreatment program. However, the Department reserves the right to require an approved program if future conditions warrant.

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

This permit is not accompanied by an AO and has not entered into a CO with the Department.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 13. Copies will be provided at a minimal charge per page.

12. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Notice of Permit Issuance

May 12, 2015

13. DEP CONTACT

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

David Morres
Northwest District Office
160 Government Street Suite 308
Pensacola, FL 32502-5740

Telephone No.: (850) 595-8300 ext. 1169