

NPDES Permit Rating Sheet

NPDES No.: AR0034401
 Facility Name: Fairfield Bay - Dave Creek WWTP
 City: Fairfield Bay
 Receiving water: Dave Creek
 Phone Number: 501-884-6020

<input type="checkbox"/>	Regular Addition
<input type="checkbox"/>	Discretionary Addition
<input checked="" type="checkbox"/>	Score Change, but no status change
<input type="checkbox"/>	Deletion

Is this facility a stream electric power plant (SIC=4911) with one or more of the following characteristics?

1. Power output 500 MW or greater?
(Not using a cooling pond/lake)

2. A nuclear power plant

3. Cooling water discharge greater than 25% of the Receiving stream's 7Q10 flow rate

Yes - STOP HERE Score = 600
 No- Continue

Is this Permit for a municipal separate storm sewer serving a population greater than 100,000?

Yes - STOP HERE Score = 700
 No - Continue

Factor 1: Toxic Pollutant Potential

PCS SIC Code: Primary SIC Code: 4952
 Other SIC Code: NAICS: 221320
 Industrial Subcategory Code: 0 (Code 000 if no subcategory)

Determine the Toxicity potential from Appendix A. Be sure to use the TOTAL toxicity potential column and check one.

Toxicity Group	Code Points	Toxicity Group	Code Points	Toxicity Group	Code Points
NPWS*	<input type="checkbox"/> 0	3	<input type="checkbox"/> 3	7	<input type="checkbox"/> 7
1	<input checked="" type="checkbox"/> 1	4	<input type="checkbox"/> 4	8	<input type="checkbox"/> 8
2	<input type="checkbox"/> 2	5	<input type="checkbox"/> 5	9	<input type="checkbox"/> 9
	<input type="checkbox"/> 10	6	<input type="checkbox"/> 6	10	<input type="checkbox"/> 10
	<input type="checkbox"/> 30				

*No Process Waste Stream

Code Checked: 1
 Points Factor 1: 5

Factor 2: Flow/Stream Flow Volume (Complete either Section A or Section B; check only one)

Section A-Wastewater Flow Only Considered

Section B-Wastewater and Stream Flow Considered

WW Type	Flow (MGD)	Code Points
Type I:	<5	11
	5 to 10	12
	>10 to 50	13
	>50	14
Type II:	<1	21
	1 to 5	22
	>5 to 10	23
	>10	24
Type III:	<1	31
	1 to 5	32
	>5 to 10	33
	>10	34

WW Type	% WW*	Code Points
Type I/III:	<10	41
	≥10 to <50	42
	≥50	43
Type II:	<10	51
	≥10 to <50	52
	≥50	53

* % IWC at receiving stream low flow

Code Checked: 21
 Total Points Factor 2: 10

Factor 3: Conventional Pollutants (Only when limited by the permit)

NPDES No.: AR0034401

A. Oxygen Demanding Pollutant: (Check one)

CBOD BOD COD

Permit Limits: (Check One)		Code	Points
<100 lbs/day	<input checked="" type="checkbox"/>	1	0
100 to 1000 lbs/day	<input type="checkbox"/>	2	5
>1000 to 3000 lbs/day	<input type="checkbox"/>	3	15
>3000 lbs/day	<input type="checkbox"/>	4	20

Code Checked: 1
Points Checked: 0

B. Total Suspended Solids (TSS)

Permit Limits: (Check One)		Code	Points
<100 lbs/day	<input checked="" type="checkbox"/>	1	0
100 to 1000 lbs/day	<input type="checkbox"/>	2	5
>1000 to 3000 lbs/day	<input type="checkbox"/>	3	15
>3000 lbs/day	<input type="checkbox"/>	4	20

Code Checked: 1
Points Checked: 0

C. Nitrogen Pollutant: (Check One)

N/A AMMONIA OTHER

Permit Limits: (Check One)		Code	Points
<300 lbs/day	<input checked="" type="checkbox"/>	1	0
300 to 1000 lbs/day	<input type="checkbox"/>	2	5
>1000 to 3000 lbs/day	<input type="checkbox"/>	3	15
>3000 lbs/day	<input type="checkbox"/>	4	20

Code Checked: 1
Points Checked: 0

Total Points Factor 3: 0

Factor 4: Public Health Impact

Is there a public drinking water supply located within 50 miles downstream of the effluent discharge (this includes any body of water to which the receiving water is a tributary)? A public drinking water supply may include filtration galleries, or other methods of conveyance that ultimately get water from the above referenced supply.

Yes (If yes, check toxicity potential number below)
No (If no, go to factor 5)

Determine the human health toxicity potential from Appendix A. Use the same SIC code and subcategory reference as in Factor 1. (Be sure to use the human health toxicity group column-check one below)

Toxicity Group	Code Points	Toxicity Group	Code Points	Toxicity Group	Code Points
NPWS* <input type="checkbox"/>	0 0	3 <input type="checkbox"/>	3 0	7 <input type="checkbox"/>	7 15
1 <input checked="" type="checkbox"/>	1 0	4 <input type="checkbox"/>	4 0	8 <input type="checkbox"/>	8 20
2 <input type="checkbox"/>	2 0	5 <input type="checkbox"/>	5 5	9 <input type="checkbox"/>	9 25
*No Process Waste Stream		6 <input type="checkbox"/>	6 10	10 <input type="checkbox"/>	10 30

Code Checked: 1
Total Points Factor 4: 0

Factor 5: Water Quality Factors

NPDES No.: AR0034401

A. Is (or will) one or more of the effluent discharge limits based on water quality factors of the receiving stream (rather than

technology-based Federal ELGs, or technology-based State ELGs), or has a WLA been assigned to the discharge?

	Code	Points
Yes	<input checked="" type="checkbox"/>	1 10
No	<input type="checkbox"/>	2 0

B. Is the receiving water in compliance with applicable WQSs for pollutants that are water quality-limited in the permit?

	Code	Points
Yes	<input checked="" type="checkbox"/>	1 0
No	<input type="checkbox"/>	2 5

C. Does the effluent discharged from this facility exhibit reasonable potential to violate WQSs due to whole effluent toxicity?

	Code	Points
Yes	<input type="checkbox"/>	1 10
No	<input checked="" type="checkbox"/>	2 0

Code Checked: A: 1 B: 1 C: 2
 Points Checked: A: 10 B: 0 C: 0

Total Points Factor 5: 10

Factor 6: Proximity to Near Coastal Waters

N/A

A. Base Score: Flow code from Factor 2: 21

Multiplication factor for flow code: 0.10

HPRI #	Code	HPRI Score	Flow Code	Multiplication Factor
1	<input type="checkbox"/>	1 20	11, 31, or 41	0
2	<input type="checkbox"/>	2 0	12, 32, or 42	0.05
3	<input type="checkbox"/>	3 30	13, 33, or 43	0.1
4	<input type="checkbox"/>	4 0	14 or 34	0.15
5	<input type="checkbox"/>	5 20	21 or 51	0.1
			22 or 52	0.3
			23 or 53	0.6
			24	1

HPRI Code Checked: -

Base Score: (HPRI Score) 0 Flow Code Multiplication Factor 0.10 = 0 Base Points

B. Additional Points - NEP Program: For a facility that has an HPRI code of 3, does the facility discharge to one of the estuaries enrolled in the National Estuary Protection (NEP) program (See instructions) or the Chesapeake Bay?

	Code	Points
Yes	<input type="checkbox"/>	1 10
No	<input type="checkbox"/>	2 0

Code Checked: -
 Additional NEP Points: 0

C. Additional Points-Great Lakes Area of Concern for a facility that has an HPRI code of 5, does the facility discharge any of the pollutants of concern into one of the Great Lakes' 31 areas of concern (See instruction)

	Code	Points
Yes	<input type="checkbox"/>	1 10
No	<input type="checkbox"/>	2 0

Code Checked: -
 Additional Great Lakes Points: 0

Total Points Factor 6: 0

Score Summary

NPDES No.: 0

Factor	Description	Points
1	Toxic Pollutant Potential	<u>5</u>
2	Flow/Stream Flow Volume	<u>10</u>

3	Conventional Pollutants	0
4	Public Health Impacts	0
5	Water Quality Factors	10
6	Proximity to Near Coastal Waters	0

Total Points **25**

Total score is less than 80 - Facility is a MINOR facility based on points

Would you like this facility to be discretionary major?

Reason:

New Score:

25

Old Score:

10

Shane Byrum

Permit Reviewer's Name

501-682-0618

Phone Number

2/3/2017

Date