Electronic Report Transmittal Form

Attention: Brendan Kenny (916) 464-4635 Central Valley Regional Water Quality Control Board 11020 Sun Center Drive #200 Rancho Cordova, CA 95670-6114

Discharger: Wild Wings County Service Area

Name of Facility: Wild Wings Water Recycling Facility

WDRs Order Number: R5-2002-0077

CIWQS Place ID: 272537

County: Yolo

I am hereby submitting to the Central Valley Water Board the following information:

Check all that apply:

Technical Report Title and Date Self-Monitoring Report for Wild Wings
Monthly Monitoring Report for the month of <u>FEB. 2019</u>
1st / 2nd / 3rd / 4th (circle one) Quarterly Monitoring Report for the year of
1st / 2nd (circle one) Semi-annual Monitoring Report for the year
Annual Monitoring Report for the year

Violation Notification:

During the monitoring period, there (were) / were not (circle one) any violations of the WDRs.

- 1. The violations were: Exceeded daily Colifor maximum.
- 2. Have the violations been corrected? (Yes) / No. If no, what will be done to correct the violations:
- 3. Note: Due to the high Cl₂ residual (20 mg/L+) we believe the result is caused by a sampling or lab error. We are reviewing our sampling SOP to ensure proper technique.

Certification Statement:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Signature: Muleaf Jan	Phone: _707-330-4402
Printed Name: <u>Michael Lane</u>	Date: <u>2-26-2019</u>

Electronic Report Submittal:

To submit the electronic reports please do the following:

- First, make a PDF copy of your report and include this form as the first page of the report.
- 2. Attach the PDF file to the email.
- Send the email and PDF attachment to centralvalleysacramento@waterboards.ca.gov (Please note that in order to ensure your reports are cataloged correctly and routed to the appropriate Regional Board staff, only one report/attachment shall be included with each e-mail.)



COUNTY OF YOLO

Office of the County Administrator

County Service Areas Administrative Support Team 625 Court Street, Room 202 • Woodland, CA 95695 (530) 666-8153 • FAX (530) 668-4029 YoloCSA@yolocounty.org

March 19, 2019

To: Brendan Kenny, Engineering Geologist, Regional Water Board R5s

From: Beth Gabor, Manager of Operations & Strategy

Re: Wild Wings Wastewater Recycling Facility Status Update

- As requested, please find attached the liner inspection report.
- The contents of the emergency storage pond are being pumped to the digester and continues to be on schedule to be emptied, cleaned and the liner inspected by the end of April, weather permitting.
- The update to the Operations & Maintenance Manual continues to be on track to be completed by November 2019.



THE BARBER - WEBB COMPANY

3833 EAST MEDFORD STREET LOS ANGELES CA 90063 PHONE (213) 264-4800 FAX (213) 260-7164

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MEETING/INSPECTION REPORT

PROJECT:	Wild Wings Lagoon, Cal Rural Water Dist.	DATE: February 11, 2019							
JOB #:	3141	TIME: All Day	AM/PM						
PURPOSE:	Inspection and repairs of existing 60 mil Textured	HDPE Geomembrane lined lagoon, know as the							
	Wild Wings Recycle Pond.	-							
	N. 1369	COMPLINY							
DDECENT	NAME	<u>COMPANY</u>							
PRESENT:	Chris Riker-Superintendent	The Barber-Webb Company, Inc.							
	Danial Scull-Inspector	The Barber-Webb Company, Inc.							
	John Bowling-Technician	The Barber-Webb Company, Inc.							
	Daniel Bowling-Technician	The Barber-Webb Company, Inc.							
	Fernando Saenz	Cal Rural Water District							
OMMENTS:	Our crew arrived onsite at 7:00 a.m., Feb. 11th, 20	019, and began the inspection of the 'Wild Wings							
	Recycle Pond'. The lagoon had been drained and o								
	were found in the geomembrane, along with multi	ple patches, where the extrusion welds were failing.							
	The pipe boots, for the inlet/outlet pipes were poor	orly constructed, and portions of the boots, under the							
	pipes, hadn't been welded. Additionally, multiple areas of "environmental stress cracking" were apparent								
	in the geomembrane, mostly above the water line. It was determined that the geomembrane had								
	been installed approximately 16 years ago, based on "welding technician notes" written on the								
	membrane, adjacent to the seams. We are not able	to determine the actual age of the geomembrane.							
	The decision was made to remove and replace all	<u> </u>							
	welds commenced immediately. Many of the failed extrusion welds required patches, and others were								
	repaired with additional extrusion welds. Some of the environmental stress cracking was repaired with								
	patches and others with extrusion welds. The fusion welds where visually inspected, and no significant								
	failures were found. However, some of the "seam test patches', required replacement patches. All								
		repairs were tested with vacuum and spark testing, and all work was performed, consistent with							
	industry standards. Additionally, a complete visual inspection was performed of the entire surface								
	of the geomembrane, after all repairs were made.	of the geomembrane, after all repairs were made. No additional repairs were required.							
	The lagoons are now intact and should not leak. H	lowever, since environmental stress cracking was							
	detected, it is inevitable, that more cracking will o	ccur. The geomembrane appears to be close to the							
	end of its effective life. However, if the stress cracking is monitored and repaired annually, the life								
	of the geomembrane may be extended for a few more years.								
	Games C. Barber	Vice President 03/19/2019	0						
	BARBER-WERB SIGNATURE TITI		J						

WILD WINGS WASTE TREATMENT FACILITY

Monitoring and Reporting Program No. RS 2002-0077 Month of FEB. 2019

		ionun oi	I LD.	2019							
		INFLUENT				SECONDARY EFFLUENT					
	DAILY	EKLY		MONTHLY			MONTHLY				
	DAILY	рН	E.C.	BOD	TSS	TDS	BOD	TSS	TDS	рН	
Date	MGD	S.U.	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg	S.U.	
1	0.056487										
2	0.067855										
3	0.068132										
4	0.063100										
5	0.054742	8.10	1859	210	300	840	3.9	10		7.70	
6	0.052477										
7	0.055374										
8	0.054107										
9	0.061893										
10	0.055852										
11	0.053005										
12	0.050774	7.93	1741								
13	0.098027										
14	0.089500										
15	0.057109										
16	0.064250										
17	0.063084										
18	0.066909										
19	0.060596										
20	0.063186	7.90	1533								
21	0.067779										
22	0.068686										
23	0.067771										
24	0.064841										
25	0.062603										
26	0.082036										
27	0.075383	8.09	1006								
28	0.059961										
29											
30											
31											
TOTA	1.8055										

AVG. 0.0648 0.0980 Max

WILD WINGS WASTE TREATMENT FACILITY **TERTIARY INFLUENT MONITORING**

Month of FEB. 2019

		IV	ionth of	FED.	2019									
			-			TERTIAR	YEFFLUENT	MONITORING	ì					
			WEEKLY				М	ONTHLY						
	EFFL.	Clar. Turb.	Eff. Turb.	Cl ₂ Resid _.	Coloform	рН	BOD	TSS		TDS		NITRATE	TOTAL	AMMONIA
Date	MGD	NTU	NTU	Mg/L	MPN	S.U.	mg/L	mg/L	E.C.	mg/L	TKN	as N2	NITROGEN	as N
1	0.068200	2.17	0.25	7.2	1.8									
2	0.061700	2.70	0.35	7.3	4.5									
3	0.070500	3.09	0.56	20.0	2.0									
4	0.068500	3.24	0.90	6.9	920.0									
5	0.055900	3.94	0.88	7.2	1.8	7.83	ND	ND	1510	850	ND	35	35	0.13
6	0.072000	2.77	0.42		1.8									
7	0.052800	2.98	0.22	17.5	1.8									
8	0.062300	2.42	0.22	20.0	1.8									
9	0.054300	2.75	0.21	20.0	1.8									
10	0.053400	2.89	0.23	20.0	2.0									
11	0.059900			20.0	4.5									
12	0.096900	4.94	0.43	7.2	7.8	7.61	ND	ND	1300					
13	0.086756			6.9	4.5									
14	0.071404			13.0	4.5									
15	0.077772			6.4	2.0									
16	0.080768	2.81	0.31	19.1	4.5									
17	0.069444	3.17	0.36	4.3	4.5									
18	0.070490		0.40	20.0	1.8									
19	0.070490		0.42	15.6	23.0									
20	0.083117			14.0	7.8	7.68	ND	ND	1200					
21	0.083120		0.35	10.9	7.8									
22	0.083120				4.5									
23	0.075816			20.0	17.0									
24	0.080280			20.0	7.8									
25	0.082956			20.0	6.8									
26	0.101504		0.96	12.9	14.0	7.57	3.6	ND	1300					
27	0.074332		0.98	7.0	4.5									
28	0.068124	3.36	1.00	12.6	2.0									
29														
30														
31														
тот.	2.0359			Median	4.5									
AVG.	0.0729													
Max	0.1015													

Recycle

Monitoring and Reporting Program No. RS 2002-0077

Month of Feb. 2019

WILD WINGS WASTE TREATMENT FACILITY RECYCLED WATER MONITORING FEB. 2019

	RECYCLED WATER STORAGE POND MONITORING										REC	YCLED WA	ATER AREA M	ONITORIN	G							
	W	EEKLY			MONTHLY							WEEKLY			DAILY		Mon	ithly				
_	Freeboard	D.O.	рН	E.C.	TDS	TSS	Total	Ammon N	BOD	COD	Turb.	Nitrate/N	Ammon./N	Kjeldahl	Total N	FLOW	RAIN	Acreage	App.Rate	App. Per.	Total N2	TDS
DATE	Ft.	mg/L	S.U.	u mhos/cm	mg/L	mg/L	Coli. MPN	mg/L	mg/L	mg/L	NTU	mg/L	mg/L	N mg/L	mg/L	GPD	Inches	Applied	gal/ac/day	Hours	pounds	Pounds
1	32.00															0						
2	31.58															0	0.9					
3	31.42															0	0.3					
4	31.25															0	0.4					
5	31.83	7.71	8.22	4000												0						
6	32.00															0						
7	32.00															0						
8	32.00															0						
9																0						
10																0						
11	31.92															0	0.3					
12																0						
13	31.67															0	1.5					
14	28.33															0	2.5					
15	27.30															0	0.1					
16	26.00															0						
17	25.50																					
18																0						
19																0						
20			8.10	860	290							14		ND	14	0						
21																0						
22	25.10															0						
23	24.20															0						
24	22.10	-														0						
25	21.60															0						
26	21.10															0	0.3					
27																0	2					
28																0	0.2					
29																						
30																						
31																						

NOTE: Recycle pond was placed back into service and being filled on 2-12-2019

TOTALS	ı	8.5			-
MG	0.00				

WILD WINGS WASTE TREATMENT FACILITY Monitoring and Reporting Program No. RS 2002-0077 Month of FEB. 2019

WILD WINGS WASTE TREATMENT FACILITY Surface Water Monitoring

		Surface V	Vater Moni	toring S-1 (50 feet)	
			Mon			
	рН	E.C.	TDS	NITRATE	AMMONIA	Flow
Date	S.U.	u mhos/cm	mg/L	as N2	as N	CFS
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27	7.63	160	150	ND	0.16	<1.0
28						
29						
30						
31						

Surface Water Monitoring S-2 (100 feet)											
	Monthly										
рН	E.C.	TDS	NITRATE	AMMONIA	Flow						
S.U.	u mhos/cm	mg/L	as N2	as N	CFS						
8.09	310	190	ND	0.19	1000						
6.09	310	190	טאו	0.19	1000						