

Monthly Report
Chandler Ocotillo WRF
MCESD #37-164
7/1/2015 TO 7/31/2015

Date	Influent					Effluent									
	Flow MGD	BOD mg/L	COD mg/L	TSS mg/L	pH SU	Flow MGD	BOD mg/L	COD mg/L	TSS mg/L	Avg NTU	Max NTU	NO ₃ mg/L	Total N mg/L	pH SU	Cl ₂ mg/L
7/1/2015	8.01		303	274	7.6	8.01	20	30	4.8	0.56	0.70	4.0	4.1	7.3	1.2
7/2/2015	7.37		168	334	7.8	7.37		30.5	4.4	0.54	0.70	3.6	4.4	7.3	0.9
7/3/2015	7.25					7.25			2.6	0.76	0.90				
7/4/2015	7.91					7.91			2.8	0.57	0.90				
7/5/2015	6.91					6.91			3.4	0.59	1.00				
7/6/2015	7.49		173	184	7.8	7.49		26.9	4.6	0.56	0.80	3.1	4.3	7.5	5.4
7/7/2015	7.25		162	208	7.8	7.25		26.8	3.6	0.54	0.80	2.2	4.0	7.4	8.8
7/8/2015	6.92	175	173	198	8.6	6.92	5.9	29.7	4.6	0.57	1.20	2.3	4.5	7.4	0.7
7/9/2015	7.08		203	250	7.8	7.08		30.8	3.8	0.55	0.60	3.5	4.9	7.3	1.0
7/10/2015	7.00		155	196	7.8	7.00		30	3.6	0.49	0.60	2.7	4.6	7.3	1.5
7/11/2015	6.76					6.76			2.0	0.53	1.00				
7/12/2015	7.20					7.20			1.8	0.58	0.80				
7/13/2015	6.42		293	218	7.8	6.42		31.2	2.8	0.67	1.15	3.6	4.5	7.3	0.5
7/14/2015	6.54		187	166	7.7	6.54		21.6	4.2	0.73	1.00	3.2	4.3	7.2	0.8
7/15/2015	6.68	179	192	206	7.7	6.68	3.6	28.6	4.0	0.65	1.00	3.5	4.4	7.2	1.0
7/16/2015	6.88		167	188	7.8	6.84		27.4	4.2	0.64	1.20	3.9	4.4	7.2	1.5
7/17/2015	8.07		189	190	7.8	8.07		33.7	9.2	0.71	1.00	3.7	4.4	7.3	1.5
7/18/2015	7.19					7.19				0.66	0.90				
7/19/2015	7.28					7.28				0.64	1.00				
7/20/2015	6.98		180	178	7.7	6.98		29.6	7.0	0.65	1.00	2.7	3.8	7.2	1.2
7/21/2015	6.92		172	208	7.7	6.92		32	7.8	0.68	1.10	2.1	4.0	7.2	1.1
7/22/2015	7.68	178	161	202	7.8	7.68	5.2	36.9	6.8	0.73	1.30	3.3	4.7	7.2	1.7
7/23/2015	7.26		179	212	7.7	7.26		27.8	4.4	0.82	1.40	5.3	5.9	7.3	1.8
7/24/2015	7.93		172	248	7.8	7.93		24.1	5.0	0.78	1.20	4.3	5.8	7.3	3.0
7/25/2015	7.51					7.51				0.75	1.30				
7/26/2015	7.61					7.61				0.78	1.20				
7/27/2015	7.11		192	182	7.8	7.11		31	4.0	0.77	1.20	4.3		7.3	0.8
7/28/2015	7.75		359	166	7.6	7.75		19.4		0.81	1.40	4.0		7.5	0.3
7/29/2015	7.89	182	313	306	7.7	7.89	1	33.3		0.84	1.50	3.4		7.4	1.1
7/30/2015	7.43		171	182	7.7	7.43		30		0.84	0.90	4.0		7.2	1.1
7/31/2015	7.16		195	242	7.76	7.16		25.8		0.85	1.10	3.60		7.2	0.9
Average	7.27	178.50	203	215		7.27	7.1	29	4.4	0.67	1.03	3.46	4.53		1.70
Minimum	6.42	175.00	155	166	7.6	6.42	1.0	19	1.8	0.49	0.60	2.11	3.81	7.2	0.35
Maximum	8.07	182.00	359	334	8.6	8.07	20.0	37	9.2	0.85	1.50	5.26	5.88	7.5	8.75

- NOTE 1: Influent flow has been adjusted by subtracting the drain flow (in-plant recycle waters)
- NOTE 2: Effluent BODs reported at 2.5 are non-detections and represent 1/2 of the method detection level of 5 as used by Test America Laboratories
- NOTE 3: Effluent BODs reported at 1 are non-detections and represent 1/2 of the method detection level of 2 as used by TransWest Laboratories
- NOTE 4: Information for columns U, AB, and AC is not available.
Historically this facility has not monitored or reported these parameters.

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7/1/2015 TO 7/31/2015**

Date	Drain Flow MGD	# Basins	MLSS mg/L	MLVSS mg/L	Basin Temp Deg C	RAS		WAS Flow MGD	# Clarifiers	Avg Bln HT Ft	# Blowers	SCE		# Filters
						SS mg/L	Flow MGD					TSS mg/L	NTU	
7/1/2015	0.60	14	3930			9620	4.7	0.172	3	1.70	1			4
7/2/2015	0.46	14	3430			9800	4.7	0.154	3	3.60	1			4
7/3/2015	0.50	14	3608			10240	4.5	0.127	3	1.90	1			4
7/4/2015	0.52	14	3413			10660	4.4	0.071	3	2.10	1			4
7/5/2015	0.46	14	3355			10060	4.4	0.028	3	2.00	1			4
7/6/2015	0.65	14	3455	2615		10520	4.4	0.144	3	1.73	1			4
7/7/2015	0.56	14	3408			9940	4.4	0.111	3	1.77	1			4
7/8/2015	0.59	14	3378			9600	4.4	0.180	3	1.23	1			4
7/9/2015	0.58	14	3340			9660	4.3	0.203	3	3.07	1			4
7/10/2015	0.51	14	3245			9800	4.2	0.173	3	2.00	1			4
7/11/2015	0.39	14	3110			10080	4.1	0.139	3	1.30	1			4
7/12/2015	0.46	14	3205			9540	4.1	0.109	3	1.53	1			4
7/13/2015	0.66	14	3090	2360		9420	4.1	0.109	3	2.37	1			3
7/14/2015	0.65	14	3115			7580	4.1	0.174	3	2.33	1			3
7/15/2015	0.50	14	3155			9420	4.1	0.174	3	1.70	1			4
7/16/2015	0.56	14	3170			9160	4.1	0.174	3	2.87	1			4
7/17/2015	0.53	14	2935			9000	4.6	0.174	3	2.33	1			4
7/18/2015	0.56	14	2850			8260	4.7	0.156	3	1.93	1			4
7/19/2015	0.52	14	2995			8400	4.4	0.111	3	1.00	1			4
7/20/2015	0.56	14	2800	2255		8480	4.3	0.097	3	1.03	1			4
7/21/2015	0.61	14	2840			8600	4.3	0.153	3	1.87	1			4
7/22/2015	0.49	14	2820			8620	4.3	0.152	3	2.27	1			4
7/23/2015	0.48	14	2755			9600	4.5	0.152	3	2.23	2			4
7/24/2015	0.44	14	2850			8460	4.5	0.149	3	1.53	2			4
7/25/2015	0.43	14	2525			8200	4.4	0.090	3	1.53	2			4
7/26/2015	0.44	14	2903			8200	4.6	0.120	3	1.33	2			4
7/27/2015	0.51	14	2860			8280	4.5	0.120	3	1.23	2			4
7/28/2015	0.58	14	2710			6680	4.5	0.170	3	2.03	2			4
7/29/2015	0.51	14	2785			9160	4.7	0.071	3	1.20	1			4
7/30/2015	0.48	14	2820	2175		8860	4.6	0.152	3	1.33	2			4
7/31/2015	0.58	14	2750			8160	4.5	0.152	3	1.37	1			4
Average	0.53		3084	2351	#DIV/0!	9099	4.40	0.137		1.85		####	#####	
Minimum	0.39	14	2525	2175	0.0	6680	4.11	0.028	3	1.00	1	0.0	0.000	3
Maximum	0.66	14	3930	2615	0.0	10660	4.73	0.203	3	3.60	2	0.0	0.00	4

Reporting Requirements for the City of Chandler/GRIC Agreement

OWRF Effluent				
Date	TKN mg/L	NO ₂ + NO ₃ mg/L	Total N mg/L	Cl ₂ mg/L
7/13/2015	1.20	3.80	5.00	N/A
7/30/2015	N/A	N/A	N/A	0.175

July-2015

**Chandler Ocotillo Water Reclamation Facility (OWRF)
MCESD #37-164**

Fecal Coliform by Colilert-18 (EPA method 9223B)
Analysis performed by City of Chandler Lab ADHS license # AZ0013

Date/time sampled		Date/time analyzed		Sample results
7/1/2015	7:31	7/1/2015	13:00	< 2.2 MPN/100 mL
7/2/2015	6:59	7/2/2015	13:30	< 2.2 MPN/100 mL
7/3/2015		Holiday		
7/4/2015		Weekend		
7/5/2015		Weekend		
7/6/2015	8:46	7/6/2015	15:10	< 2.2 MPN/100 mL
7/7/2015	8:47	7/7/2015	12:00	< 2.2 MPN/100 mL
7/8/2015	8:53	7/8/2015	13:20	< 2.2 MPN/100 mL
7/9/2015	9:16	7/9/2015	13:00	< 2.2 MPN/100 mL
7/10/2015	8:15	7/10/2015	13:54	< 2.2 MPN/100 mL
7/11/2015		Weekend		
7/12/2015		Weekend		
7/13/2015	9:29	7/13/2015	14:15	< 2.2 MPN/100 mL
7/14/2015	9:58	7/14/2015	14:05	< 2.2 MPN/100 mL
7/15/2015	9:58	7/15/2015	12:00	< 2.2 MPN/100 mL
7/16/2015	10:49	7/16/2015	12:30	< 2.2 MPN/100 mL
7/17/2015	8:35	7/17/2015	13:00	< 2.2 MPN/100 mL
7/18/2015		Weekend		
7/19/2015		Weekend		
7/20/2015	9:52	7/20/2015	15:00	< 2.2 MPN/100 mL
7/21/2015	9:56	7/21/2015	14:15	13.7 MPN/100 mL
7/22/2015	9:15	7/22/2015	15:30	< 2.2 MPN/100 mL
7/23/2015	10:35	7/23/2015	15:00	< 2.2 MPN/100 mL
7/24/2015	9:45	7/24/2015	13:00	< 2.2 MPN/100 mL
7/25/2015		Weekend		
7/26/2015		Weekend		
7/27/2015	10:40	7/27/2015	13:30	< 2.2 MPN/100 mL
7/28/2015	10:32	7/28/2015	14:15	< 2.2 MPN/100 mL
7/29/2015	8:30	7/29/2015	15:15	< 2.2 MPN/100 mL
7/30/2015	9:55	7/30/2015	13:30	< 2.2 MPN/100 mL
7/31/2015	9:45	7/31/2015	13:50	< 2.2 MPN/100 mL

NOTE1: Sample results reported at <2.2 MPN/100mL to conform to ADEQ SMRF standards.