



Weekly Water Report  
May 17, 2015

Total Acre Feet Used  
Year to Date

City Well Field	Design (Gallons per Minute)	Gallons in Millions	Acre Feet	Acre Feet Allocated	
Agua Fria	823	0.000	0.00	4865.00	0.35
Santa Fe	183	0.000	0.00		0.00
Torreon	413	0.708	2.17		18.14
Ferguson	200	0.000	0.00		2.26
Alto	195	0.000	0.00		2.11
Northwest	957	1.770	5.43		86.11
Osage	201	0.000	0.00	25.70	0.00
<b>Well Production Total</b>	<b>2972</b>	<b>2.478</b>	<b>7.60</b>	<b>4890.70</b>	<b>108.97</b>

Buckman Well Field	Design (Gallons per Minute)	Gallons in Millions	Acre Feet	Acre Feet Allocated	
# 1	542	0.000	0.00		104.08
# 2	852	0.000	0.00		0.00
# 3	319	0.000	0.00		24.72
# 4	357	0.000	0.00		11.92
# 5	256	0.000	0.00		0.00
# 6	744	0.189	0.58		80.66
# 7	715	0.000	0.00		0.80
# 8	525	0.000	0.00		2.73
# 9	400	0.000	0.00		0.00
#10	800	0.000	0.00		0.00
# 11	770	0.000	0.00	1500 acft/yr/well	3.27
# 12	800	0.008	0.02		19.43
# 13	800	0.000	0.00		16.56
<b>Buckman Production Total</b>	<b>7880</b>	<b>0.197</b>	<b>0.60</b>	<b>10000.00</b>	<b>264.17</b>

<b>Well Production Total</b>	<b>2.675</b>	<b>1.11</b>	<b>373.14</b>
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Production from Buckman Regional Water Treatment Plant					
Location	Design (Gallons per Minute)	Gallons in Millions	Acre Feet	Acre Feet Allocated	
Buckman Reg. Treatment Plant	10410	21.872	67.12	5230.00	1,098.720

Production from St. Michael's & Canyon Water Treatment Plant					
Location	Design (Gallons per Minute)	Gallons in Millions	Acre Feet	Acre Feet Allocated	
St. Michael's	0	0.628	1.93	5040.00	78.420
Canyon Treatment Plant	5552	32.951	101.12		1,372.82
Canyon Plant & St. Michael's Total	5552	33.579	103.05		1,451.24

<b>Treatment Plant Production Total</b>	<b>55.451</b>	<b>179.17</b>	<b>2,549.96</b>
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	Gallons in Millions	Acre Feet	
<b>Total Production of Complete System</b>	<b>58.126</b>	<b>178.38</b>	<b>2,923.10</b>

Weekly Averages

Total Consumption/Demand		
Date	Gallons in Millions per Day	Acre Feet per Day
05/10/2015	8.350	25.63
05/17/2015	8.193	25.14

Reservoir Information				
Date	Total Capacity	Useable Capacity	Useable Gallons in Millions	Useable Acre Feet
05/10/2015	16%	-5%	-57.780	-177.32
05/17/2015	15%	-5%	-62.916	-193.08

Reservoir Inflow Wkly Avg (Estimated)		
Date	Gallons in Millions per Day	Acre Feet per Day
05/10/2015	10.267	31.51
05/17/2015	10.645	32.67

### Summary of Weekly Data Comparisons vs Previous Years

City Well Field	Gallons in Millions per Day	Acre Feet per Day
2013	0.599	1.84
2014	0.486	1.49
May 17, 2015	0.354	1.09

Buckman Well Field	Gallons in Millions per Day	Acre Feet per Day
2013	0.000	0.00
2014	0.000	0.00
May 17, 2015	0.028	0.09

Buckman Water Plant	Gallons in Millions per Day	Acre Feet per Day
2013	9.650	29.61
2014	9.874	30.30
May 17, 2015	3.125	9.59

Canyon Plant & St. Michael's	Gallons in Millions per Day	Acre Feet per Day
2013	1.006	3.09
2014	0.000	0.00
May 17, 2015	4.797	14.72

Total Consumption/Demand	Gallons in Millions per Day	Acre Feet per Day
2013	11.470	35.20
2014	10.679	32.77
May 17, 2015	8.193	25.14

Reservoir Information	Total Capacity %
2013	34%
2014	32%
May 17, 2015	15%

Reservoir Inflow Wkly Avg (Estimated)	Gallons in Millions per Day
2013	2.884
2014	4.584
May 17, 2015	10.645

Data Peak Day	Gallons in Millions per Day	Acre Feet per Day
2012 (August 2)	17.12	52.54
2013 (September 7)	16.10	49.41
2014 (June 30)	14.022	43.03
2015 (May 6)	9.828	30.16

Total Production of Water System	Acre Feet per Year
2005	10,035
2006	10,108
2007	10,043
2008	10,192
2009	9,978
2010	10,043
2011	10,406
2012	10,442
2013	9,946
2014	9,656



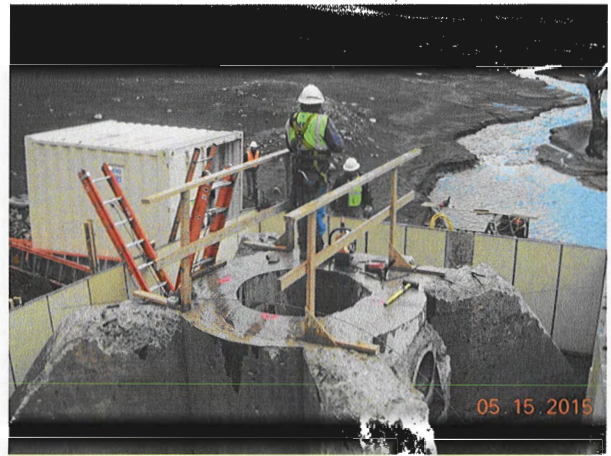
**McClure & Nichols Reservoirs Infrastructure Improvements CIP Project No. 3038**  
**Construction and Water Production Update**  
**May 23, 2015**

**Construction:**

RMCI, Inc. is making steady progress on the new inclined intake structure at McClure Dam. Concrete fill around the existing tower stub up to the existing arch buttress wall was completed on May 21, 2015. Forming for the new inclined intake structural floor slab is underway. Construction is scheduled for completion no later than November 27, 2015.



**McClure Dam – Void Form Around Existing Outlet Conduit Prior to 1<sup>st</sup> Concrete Pour May 12, 2015**



**Forming for 2<sup>nd</sup> Pour of Concrete Fill May 15, 2015**



**Concrete Fill 2<sup>nd</sup> Pour May 21, 2015**

**Water Production**

Water production at the Canyon Road Treatment Plant (CRWTP) was increased to a maximum of 5.3 MGD during April 2015, but varied from 4.0 to 5.0. MGD. Production averaged 4.8 MGD throughout May, in response to continued fluctuations in turbidity and organics in the source water caused by higher than normal runoff and construction activities within the bed of McClure Reservoir. Canyon Road Water Treatment Plant production was 104 million

gallons (MG) for the month through May 22<sup>nd</sup>. City Wells produced another 4.25 MG and the Buckman Wells produced 9.58 MG. The Buckman Direct Diversion produced approximately 71.3 MG by the 22<sup>nd</sup> of May after it was brought back online in late April. Total production for the City through May 22<sup>th</sup> was 188.7 MG or an average of 8.58 MGD. Daily Demand, on this date, is 8.0 MGD.

The delivery of water for Living River releases started on May 15<sup>th</sup> and ranged from 5.0 to 7.0 cfs (4.5 MGD). Irrigation releases up to 4.0 MGD several times a week continued into the third week of May. Some deliveries to the city's largest acequia, Acequia Madre, were then decreased to bi-weekly. Storage levels were more than adequate to meet required release volumes of 4.0-4.5 MGD for the planned Children's Fishing Derby on May 16<sup>th</sup> throughout the subsequent week ending today, along with the pre-derby releases to sustain the fish transplanted into the river by the NM Game and Fish Department.

Nichols Reservoir storage levels greatly fluctuated during the month of May with a maximum storage level of 90.2% or 202 MG on May 19<sup>th</sup> due to increased Santa Fe River inflows steadily increasing upward to 45 cfs, or 30 MGD into the reservoir. The peak flow into Nichols Reservoir was experienced on Saturday - May 23, 2015 to 48cfs (31MGD) from 5:45 AM to 8:15 AM after two nights of heavy rainfall and intermittent showers in the watershed over a four day period. In order to keep the reservoir from overflowing the spillway, downstream releases from Nichols were adjusted to match inflows from the watershed because the reservoir had less than one day of storage capacity left with the river inflows to the reservoir which were being experienced. The reservoir storage level has been decreased to a current level, as of May 23<sup>rd</sup>, of 195 MG, or 87.6% storage capacity, through managed releases of water to accommodate highly elevated daily inflows of 35cfs (22.6 MGD), or more. River inflows to the reservoirs have decreased to approximately 37 cubic feet per second (cfs) or 25 MGD on a daily basis. Presently we are at 192mg storage at Nichols and (35cfs) flowing into Nichols from McClure. The current CRWTP production level is 4.8 MGD.