

**TEXAS WATER DEVELOPMENT BOARD**

P.O. BOX 13231, CAPITOL STATION

AUSTIN, TX 78711-3231

**2014 Water Audit Report**

**A. Water Utility General Information**

1. Water Utility Name: River Place MUD

2. Contact:

2a. Name Dan Strub

2b. Telephone # (512) 972-0349

2c. Email Address dan.strub@austintexas.gov

3. Reporting Period: From 1/1/2014 To 12/31/2014

4. Source Water Utilization, percentage: Surface Water 100 % Ground Water 0 %

5. Population Served:

5a. Retail Population Served 2,857

5b. Wholesale Population Served 0 Assessment Scale

6. Utility's Length of Main Lines, miles 19.09 0

7. Number of Wholesale Connections Served 1

8. Total Retail Metered Connections 987

9. Service Connection Density 51.70  
(Number of retail service connections / miles of main lines)

10. Average Yearly System Operating Pressure (psi) 55 0

11. Volume Units of Measure: Gallons

**B. System Input Volume**

58,740,000 gallons

12. Produced Water 0

13. Production Meter Accuracy (enter percentage) 100.00 %

0

58,740,000 gallons

14. Corrected Input Volume

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	gallons	
15. Total Water Purchased	<u>249,455,000</u>	<u>0</u>
	gallons	
16. Total Wholesale Water Sales	<u>95,990,000</u>	<u>0</u>
	gallons	
<b>17. Total System Input Volume</b>	<u>212,205,000</u>	
(Corrected input volume, plus imported water, minus exported water)		

Assessment  
Scale

**C. Authorized Consumption**

18. Billed Metered	<u>182,189,200</u>	<u>0</u>
	gallons	
19. Billed Unmetered	<u>0</u>	<u>0</u>
	gallons	
20. Unbilled Metered	<u>0</u>	<u>0</u>
	gallons	
21. Unbilled Unmetered	<u>4,646,000</u>	<u>0</u>
	gallons	
<b>22. Total Authorized Consumption</b>	<u>186,835,200</u>	<u>0</u>
	gallons	

**D. Water Losses**

<b>23. Water Losses</b>	<u>25,369,800</u>	
(Line 17 minus Line 22)	gallons	

**E. Apparent Losses**

	%	
	<u>98.00</u>	<u>0</u>
24. Average Customer Meter Accuracy (Enter percentage)		
	<u>3,718,147</u>	gallons
25. Customer Meter Accuracy Loss		

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26. Systematic Data Handling Discrepancy	gallon	<u>0</u>
		<u>0</u>
27. Unauthorized Consumption	gallon	<u>0</u>
	s	
		<u>530,513</u>
<b>28. Total Apparent Losses</b>		
		<u>4,248,659</u>
	gallons	
<b>F. Real Losses</b>		
29. Reported Breaks and Leaks	gallon	<u>0</u>
(Estimated volume of leaks & breaks repaired during the audit period)	s	
		<u>0</u>
30. Unreported Loss	gallon	<u>0</u>
(Includes all unknown water loss)	s	
		<u>21,121,141</u>
<b>31. Total Real Losses</b>		
(Line 29, plus Line 30)		
		<u>21,121,141</u>
32. Water Losses (Apparent + Real)	gallon	<u>0</u>
(Line 28 plus Line 31) = Line 23	s	
		<u>25,369,800</u>
33. Non-revenue Water	gallon	
(Water Losses + Unbilled Authorized Consumption)	s	
(Line 32, plus Line 20, plus Line 21)		<u>30,015,800</u>
<b>G. Technical Performance Indicator for Apparent Loss</b>		
34. Apparent Losses Normalized	gallon	<u>12</u>
(Apparent Loss Volume / # of Retail Service Connections/365)	s	
<b>H. Technical Performance Indicators for Real Loss</b>		
	gallon	<u>21,121,141</u>
	s	

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35. Real Loss Volume (Line 31)	<u>0</u>	gallon s	
36. Unavoidable Annual Real Losses, volume (calculated)			
	<u>0.00000</u>		
37. Infrastructure Leakage Index (calculated) (Equals real loss volume divided by unavoidable annual real losses)			
38. Real Losses Normalized (Real Loss Volume / # of Service Connections / 365) (This indicator applies if service connection density is greater than or equal to 32 / mile)	<u>59</u>	s	
39. Real Losses Normalized (Real Loss Volume/Miles of Main Lines/365) (This indicator applies if service connection density is less than 32/mile)	<u>0</u>	gallon s	Assessment Scale
<b>I. Financial Performance Indicators</b>			
40. Total Apparent Losses (Line 28)	<u>4,248,659</u>	gallon s	
41. Retail Price of Water	<u>\$0.00560</u>		<u>0</u>
42. Cost of Apparent Losses (Apparent loss volume multiplied by retail cost of water, Line 40 x Line 41)	<u>\$23,792.49</u>		
43. Total Real Losses (Line 31)	<u>21,121,140.56</u>		
44. Variable Production Cost of Water* (*Note: in case of water shortage, real losses might be valued at the retail price of water instead of the variable production cost.)	<u>\$0.00040</u>		<u>0</u>
45. Cost of Real Losses (Real Loss multiplied by variable production cost of water, Line 43 x Line 44)	<u>\$8,490.70</u>		
<b>46. Total Assessment Scale</b>			<u>0</u>
<b>47. Total Cost Impact of Apparent and Real Losses</b>	<u>\$32,283.19</u>		
<b>48. Comments</b>	Austin Water assumed operation of the system on October 1, 2014. Retail Price and Variable Production Cost of Water reflect costs after Austin Water assumed		
<b>49. Total Water Loss %</b>	<u>11.96</u>	%	

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<b>50. GPCD (Gallons Per Capita Per Day) Input</b>	203.49
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<b>51. GPCD (Gallons Per Capita Per Day) Loss</b>	24.33
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