MINUTES
MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 89

March 2, 2017

The Board of Directors (the "Board") of Montgomery County Municipal Utility District No. 89 (the "District") met in regular session, open to the public, on the 2nd day of March, 2017, at Allen Boone Humphries Robinson LLP, 3200 Southwest Freeway, Houston, Texas 77027, outside the boundaries of the District, and the roll was called of the duly appointed members of the Board, to-wit:

Gregory Grant	President
Paul Cote	Vice President
Robert Veasey, III	Secretary
Bredawn Riley	Assistant Vice President
Shawn Goodman	Assistant Secretary

and all of the above were present, thus constituting a quorum.

Also present at the meeting were Shara Cote, a resident of the District; Shannon Waugh of Off Cinco; Anthea Moran of FirstSouthwest, a Division of Hilltop Securities ("FirstSouthwest"); Stacey Wagner of Champions Hydro-Lawn, Inc. ("Champions"); Martin Murdock and Justin Abshire of Jones & Carter, Inc. ("J&C"); John Montgomery of Municipal Operations & Consulting, Inc. ("MOC"); Christina Garcia of Myrtle Cruz, Inc. ("Myrtle Cruz"); and Tim Austin and Ashley Ramos of Allen Boone Humphries Robinson LLP ("ABHR").

MINUTES

The Board reviewed the minutes of the February 2, 2017, regular meeting. Following review and discussion, Director Goodman moved to approve the minutes as revised. The motion was seconded by Director Veasey and passed by unanimous vote.

AMEND RESOLUTION CONCERNING EXEMPTIONS FROM TAXATION

Ms. Moran presented and reviewed a tax exemption analysis with the Board, a copy of which is attached. The Board discussed amending the Resolution Concerning Exemptions from Taxation (the "Resolution") adopted at the last meeting, which granted a $10,000 exemption from ad valorem taxation of the appraised value of residence homesteads of individuals who are disabled or are sixty-five years of age or older. After discussion, Director Grant moved to (1) adopt the Amended Resolution Concerning Exemptions from Taxation granting a $20,000 exemption from ad valorem taxation of the appraised value of residence homesteads of individuals who are

disabled or are sixty-five years of age or older; and (2) take no action on offering a general homestead exemption for 2017. Director Veasey seconded the motion, which carried by unanimous vote.

GARBAGE COLLECTION SERVICES, INCLUDING DISCUSSION OF STANDARDIZED TRASH CANS

The Board discussed providing residents of the District with Best Trash supplied trash carts, which would provide for uniform trash cans within the District. Following review and discussion, the Board concurred to poll the residents of the District on the homepage of the District's website to gauge resident interest.

DISCUSS WEBSITE MATTERS, INCLUDING ADOPT RESOLUTION ADOPTING WEBSITE POSTING POLICY

Ms. Waugh presented and reviewed the website with the Board. Discussion ensued regarding documents and information to be removed or added to the District's website. Ms. Waugh stated Off Cinco will make the discussed revisions to the website and she will send a link to the Board to review the website prior to the website going live to the public. Mr. Montgomery stated he will add a message regarding the District's website and the website link to the comment line of the next utility bill. The Board discussed adopting a website posting policy. Following discussion, the Board agreed not to adopt a website posting policy.

LEGENDS RANCH PROPERTY OWNERS ASSOCIATION ("POA")

Director Cote reported on the latest POA meeting. Mr. Abshire updated the Board on the plans for the 2.73 acre multi-purpose sports field. He stated J&C will design the multi-purpose sports field and provide the plans. Mr. Abshire stated the POA will contract directly with the contractor for the project.

ARBITRAGE REBATE REPORT

Mr. Austin presented and reviewed the District's Arbitrage Rebate Report for the Series 2006 Bonds (the "Report"). The Board reviewed the Report and noted no monies were owed the Internal Revenue Service.

BOOKKEEPER'S AND TAX ACCOUNT REPORT

Ms. Garcia presented the bookkeeper's report, including information on the tax account, and submitted the bills for the Board's review. Copies of the bookkeeper's report and tax account report are attached. Following review and discussion, Director Goodman moved to approve the bookkeeper's report. Director Veasey seconded the motion, which carried by unanimous vote.

REPORT ON DRAINAGE CHANNEL MAINTENANCE

Ms. Wagner reported on drainage channel maintenance.

ENGINEER'S REPORT

Mr. Abshire presented and reviewed with the Board the engineer's report, a copy of which is attached.

Mr. Abshire updated the Board on the Water Plant No. 1 rework. He recommended approval of Pay Estimate No. 1 in the amount of $17,460.00 to Weisinger, Inc. Mr. Abshire stated the Water Plant No. 1 rework is expected to be complete by May of 2017. Following review and discussion, Director Goodman moved to approve Pay Estimate No. 1 in the amount of $17,460.00 to Weisinger, Inc. Director Veasey seconded the motion, which carried by unanimous vote.

PAY ESTIMATES, CHANGE ORDERS, AND FINAL ACCEPTANCE FOR WASTEWATER TREATMENT PLANT ("WWTP")

Mr. Abshire recommended approval of Pay Estimate No. 10 in the amount of $352,602.05 to Bryan Construction Co. Following review and discussion, Director Goodman moved to approve Pay Estimate No. 10 in the amount of $352,602.05 to Bryan Construction Co. Director Veasey seconded the motion, which carried by unanimous vote.

LONG-TERM PLAN

Mr. Abshire reviewed with the Board an updated Long-Term Plan, a copy of which is included in the engineer's report.

STORM WATER PERMITTING MATTERS

Mr. Abshire updated the Board regarding storm water permitting matters stating J&C is continuing with year 3 administrative services.

OPERATOR'S REPORT

Mr. Montgomery presented and reviewed with the Board a copy of the monthly operator's report for the month of February 2017, a copy of which is attached. He stated that the ratio of water billed versus produced for the period from January 16, 2017, to February 15, 2017, was 93%. Mr. Montgomery then presented three accounts requested to be written off as uncollectable. Following discussion, Director Goodman moved to approve the operator's report, including the three accounts to be written off as uncollectible. The motion was seconded by Director Veasey and carried unanimously.

TERMINATION OF WATER SERVICE

Mr. Montgomery presented a list of delinquent customers and reported the residents on the termination list were delinquent in payment of their water and sewer bills and were given written notification, in accordance with the District's Rate Order, prior to the meeting of the opportunity to appear before the Board of Directors to explain, contest, or correct their bills and to show why utility services should not be terminated for reason of non-payment. Following review and discussion, Director Goodman moved to authorize termination of delinquent accounts in accordance with the District's Rate Order and direct that the delinquent customer list be filed appropriately and retained in the District's official records. The motion was seconded by Director Veasey and passed by unanimous vote.

CONDUCT ANNUAL REVIEW OF DROUGHT CONTINGENCY PLAN

Mr. Austin reviewed the District's Drought Contingency Plan and the Board agreed that no revisions are necessary to the plan at this time.

APPROVE ANNUAL REPORT ON WATER CONSERVATION PLAN ("WCP") AND AUTHORIZE SUBMITTAL TO THE SAN JACINTO RIVER AUTHORITY

Mr. Montgomery stated that MOC will file the WCP annual report. After discussion, Director Goodman moved to approve the WCP annual report. Director Veasey seconded the motion, which carried by unanimous vote.

REPORT FROM ADVISORY BOARD

The Board discussed the settlement received by Spring Creek Utility District ("SCUD") for condemnation of the entrance to the joint detention facilities. The Board reiterated its requirement that the condemnation proceeds be applied first to finance an alternate entrance to the detention facilities before the participating districts contribute.

CONSIDER JOINT MEETING WITH MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 88 ("MC MUD 88") AND SPRING CREEK UTILITY DISTRICT

Mr. Austin stated MC MUD 88 and SCUD have requested a joint meeting to be held at the offices of MOC at a proposed date of March 31, 2017. The Board requested ABHR follow-up with MC MUD 88 and SCUD's general counsel regarding agenda items.

There being no further business to come before the Board, the Board meeting was adjourned.

(SEAL)

Secretary, Board of Directors

597248

LIST OF ATTACHMENTS TO MINUTES

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MCMUD 89 Over 65/Disabled Tax Exemption Analysis

2/28/2017

District-wide Tax Levy at Current Tax Rate

Certified 2016 Assessed Valuation	$369,563,086	
Current Exemption Amount	10,000	
Net Taxable Valuation	$369,563,086	
Tax Rate (2016) per $100	$0.8864	
Total Tax Levy	$3,275,807	
Persons qualified for exemptions in 2016	168	<-- Assumed (9 Disabled + 159 Over 65)
Value of 2016 exemptions at $10,000 each	1,680,000	
Value of 2017 exemptions at $20,000 each	3,360,000	
Value of 2017 exemptions at $30,000 each	5,040,000	
Value of 2017 exemptions at $40,000 each	6,720,000	

What impact does the exemption have on the tax rate?

If the total tax levy is fixed, calculate the impact on exemption on the tax rate:

	$10,000	$20,000	$30,000	$40,000
District's Certified Valuation	$369,563,086	367,883,086	366,203,086	364,523,086
Total Tax Levy	$3,275,807	$3,275,807	$3,275,807	$3,275,807
Tax Rate per $100	$0.8864	$0.8904	$0.8945	$0.8987

Conclusion: Each $10,000 increase in the exemption raises the tax rate by $0.004 per $100.

Two Sample Individual Tax Bills

	Typical Homeowner	With Exemptions for Over 65 or Disabled		
	$10,000	$20,000	$30,000	$40,000
Assume Home with $200,000 Value				
Certified 2016 Assessed Valuation	$250,000	$250,000	$250,000	$250,000
Exemption Amount	$10,000	$20,000	$30,000	$40,000
Net Taxable Valuation	$240,000	$230,000	$220,000	$210,000
Tax Rate (no adjustment to current tax rate)	0.8864	0.8864	0.8864	0.8864
Tax Bill with Exemption	$2,127	$2,039	$1,950	$1,861

Montgomery County Municipal Utility District No. 89
2016 Homestead Exemption Analysis

SAMPLE IMPACT OF EXEMPTION ON TAX BILL
(assuming no change in assessed valuation)

	2016	2017		
	Includes $10,000 over 65 Existing Exemption	**5.0% Homestead Exemption**	**10% Homestead Exemption**	**20% Homestead Exemption**
District-wide tax levy:				
Certified 2016 Assessed Valuation	369,563,086	369,563,086	369,563,086	369,563,086
Exemption Amount	0 (a)	(13,858,616) (b)	(27,717,231) (b)	(55,434,463) (b)
Net Taxable Valuation	369,563,086	355,704,470	341,845,855	314,128,623
Tax Rate (2016) and Equivalent Rate to Generate Same Levy	**0.8864**	**0.9209**	**0.9583**	**1.0428**
Total Tax Rate Increase	**N/A**	**0.0345**	**0.0719**	**0.1564**
Total Tax Levy	3,275,807	3,275,807	3,275,807	3,275,807
Decrease in Tax Levy if No Adjustment in Tax Rate ($0.8864)		(122,843)	(245,686)	(491,371)
*Sample individual tax bills (Assuming **Adjustment of Tax Rate**):*				
Certified 2016 Assessed Valuation	250,000	250,000	250,000	250,000
Exemption Amount	0	(12,500)	(25,000)	(50,000)
Net Taxable Valuation	250,000	237,500	225,000	200,000
Tax Rate	0.8864	0.9209	0.9583	1.0428
Total Tax Bill with Exemption	**$2,216**	**$2,187**	**$2,156**	**$2,086**
Total Residential Tax Bill without Exemption	**N/A**	**$2,216**	**$2,216**	**$2,216**
*Sample individual tax bills (Assuming **No Adjustment of Tax Rate**):*				
Certified 2016 Assessed Valuation	250,000	250,000	250,000	250,000
Exemption Amount	0	(12,500)	(25,000)	(50,000)
Net Taxable Valuation	250,000	237,500	225,000	200,000
Tax Rate	0.8864	0.8864	0.8864	0.8864
Total Tax Bill with Exemption	**$2,216**	**$2,105**	**$1,994**	**$1,773**
Total Residential Tax Bill without Exemption	**N/A**	**$2,216**	**$2,216**	**$2,216**

(a) Certified 2016 Assessed Valuation includes an over 65/disabled exemption of $10,000 (168 homesteads).
(b) Assumes 75% (1179 homesteads) of total certified assessed valuation is eligible for general homestead exemption.

MONTGOMERY COUNTY MUD #89

Summary for Cash Report of March 2, 2017

	Debt Service	Tax Account	Capital Projects
PREVIOUS CASH BALANCE	0.00	160,454.70	22,846.30
CASH RECEIPTS	0.00	482,595.46	0.00
INTEREST (less service/chg)	0.00	170.86	10.51
TRANSFERS	0.00	(166,817.74)	330,000.00
DISBURSEMENTS	0.00	(8,928.00)	(352,602.05)
ENDING CASH BALANCE	0.00	467,475.28	254.76
PREVIOUS INVESTMENTS	3,363,408.30	0.00	1,897,195.75
DEPOSITS/ Trf from Tax Acct	0.00	0.00	0.00
INTEREST	1,358.10	0.00	991.25
TRANSFERS	(440,653.75)	0.00	(330,000.00)
ENDING INVESTMENTS	2,924,112.65	0.00	1,568,187.00
CURRENT BALANCE	2,924,112.65	467,475.28	1,568,441.76

133%
of 2017 debt service

	Operating Account	Deposit Refund (Operating)	Jt. Water Plants
PREVIOUS CASH BALANCE	18,095.97	872.61	77,519.73
CASH RECEIPTS	272,636.41	0.00	72,480.27
INTEREST (less service/chg)	0.00	0.00	8.64
TRANSFERS	0.00	0.00	0.00
DISBURSEMENTS	(155,832.94)	(903.18)	(117,958.64)
ENDING CASH BALANCE	134,899.44	(30.57)	32,050.00
PREVIOUS INVESTMENTS	5,645,622.93	0.00	0.00
DEPOSITS/ Trf from Tax Acct	0.00	0.00	0.00
INTEREST	1,514.22	0.00	0.00
TRANSFERS	0.00	0.00	0.00
ENDING INVESTMENTS	5,647,137.15	0.00	0.00
CURRENT BALANCE	5,782,036.59	(30.57)	32,050.00

Combined Operating Balance	**5,782,006.02**	
Less RESERVE	**(2,085,585.50)**	(allocated non -recurring projects 2017 budget)
Operating funds available	**3,696,420.52**	
percentage of annual budgeted expenses (recurring expenses)	**177.24%**	

MONTGOMERY COUNTY MUD #89

Cash Report for Meeting of March 2nd, 2017 Page : 2

DEBT SERVICE (078BF) : NO ACTIVE CHECKING

Previous cash balance, February 2nd, 2017			0.00
TIME DEPOSIT INVESTMENTS:			
Texas Capital; not renewed @ maturity.....			0.00
previous balance	201,406.34		
interest earned	364.76		
wired to comp mm	201,771.10-		
3rd Coast Bank; 8/6 due 8/6/17 @.50%.....			243,490.37
Independent Bank;8/6 due 8/6/17 @.60%.....			243,375.82
Green Bank;10/25 due 10/25/17@.50%.....			242,643.10
Texan Bank;2/2 due 2/2/18 @.75%.....			100,895.04
previous balance	100,139.31		
interest earned	755.73		
Austin Capital Bank; 2/3 due 2/3/18 @.80%.....			240,000.00
wired from comp mm	240,000.00		
DEMAND DEPOSIT INVESTMENTS:			
COMPASS Bank; #74229.....			201,930.92
previous balance	1,680,809.50		
1/2 Int earned	22.07		
service chg	18.00-		
trf to Tx Star	1,000,000.00-		
princ/int tx cap cd	201,771.10		
fiscal agent fees	250.00-		
3/1 debt serv pay	363,012.50-		
3/1 debt serv pay	45,331.25-		
3/1 debt serv pay	32,060.00-		
purch austin cap cd	240,000.00-		
Texstar ; #2568133330.....			1,404,927.94
balance last report	404,740.52		
1/30 Int. earned	187.42		
trf frm comp MM	1,000,000.00		
ICON Bank; #61853.....			246,849.46
previous balance	246,803.34		
1/30 Int. earned	46.12		
previous investments		3,363,408.30	
interest		1,358.10	
withdrawals		< 440,653.75 >	
ending investments			2,924,112.65
DEBT SERVICE FUNDS AVAILABLE March 2nd, 2017			$2,924,112.65

Debt Service payment for 2017....$2,175,920.00

due at:	3/1/17	9/1/17	Paying Agent
	$440,403.75	$1,735,516.25	

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MONTGOMERY COUNTY MUD #89

Cash Report for Meeting of March 2nd, 2017 Page : 7

TAX ACCOUNT (078TX) : COMPASS BANK 2530962922

Previous cash balance, February 2nd, 2017			160,454.70
plus: 4320: property taxes			482,595.46
plus: 2/2 Int. earned			188.86
	Total Deposits :		482,784.32
less: 2/15 service charge			18.00
less: 3/2 trf Maint tx to operating			166,817.74
Beginning cash balance, March 2nd, 2017			476,403.28
less checks to be presented at this meeting :			
1077 Montgomery Central Appraisal Dist; 2nd qtr 2017			8,028.00
1078 Myrtle Cruz, Inc.;Jan/Feb			900.00
	previous cash balance	160,454.70	
02/15-02/15	2 receipts	482,784.32	
	2 current checks	< 8,928.00 >	
	other disbursements	< 166,835.74 >	
	ending cash balance		467,475.28
TAX ACCOUNT FUNDS AVAILABLE March 2nd, 2017			$467,475.28

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MONTGOMERY COUNTY MUD #89

Cash Report for Meeting of March 2nd, 2017

CAPITAL PROJECTS (078CA) : COMPASS BANK 6722396055

Previous cash balance, February 2nd, 2017			22,846.30
plus: 1/2 Int. earned			10.51
plus: 3/2 trf from Texstar			330,000.00
Total Deposits :			330,010.51
Beginning cash balance, March 2nd, 2017			352,856.81
less checks to be presented at this meeting :			
1017 Bryan Construction Company; PE 10/ WWTP replacement			352,602.05
previous cash balance		22,846.30	
2 receipts		330,010.51	
1 current checks	<	352,602.05 >	
ending cash balance			254.76

DEMAND DEPOSIT INVESTMENTS:

Texstar; #25681 44440			1,568,187.00
previous balance	1,897,195.75		
1/30 Int. earned	991.25		
3/2 trf to checking	330,000.00-		
previous investments		1,897,195.75	
interest		991.25	
transfers		330,000.00-	
ending investments			1,568,187.00
CAPITAL PROJECTS FUNDS AVAILABLE March 2nd, 2017			$1,568,441.76

MONTGOMERY COUNTY M.U.D. #89
$4,060,000 SERIES 2016 BONDS

CONSTRUCTION COSTS:	APPROVED	DISBURSED	BALANCE
A. CONSTRUCTION COSTS			
1. Wastewater Treatment Plant Replacement	3,690,000	2,204,788	1,485,212
2. Surplus funds (remaining cost of Issuance)	75,287	340	74,947
Earned Interest	0	0	8,283
TOTAL FUNDS REMAINING 3/2/2017	3,765,287	2,205,128	1,568,442

(1) Contract for WWTP Replacement ; Bryan Construction ; $3,668,800 (Contingency not needed)

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MONTGOMERY COUNTY MUD #89

Cash Report for Meeting of March 2nd, 2017

GENERAL OPERATING (078OP) : COMPASS BANK 68031

Previous cash balance, February 2nd, 2017			18,095.97
plus: 1150: water & sewer revenue			72,155.93
plus: 2161: customer meter deposits			2,620.00
plus: 4300: reg wtr auth revenue			28,567.03
plus: 4330: penalties & interest-svc accts			2,087.80
plus: 6340: office expenses			47.68-
plus: 3/2 Maint tx transfer			166,817.74
plus: Void CK#5586-DHSH central/dupl pay			435.59
	Total Deposits :		272,636.41
less checks completed at or after last meeting :			
5589 Centerpoint Energy;			92.97
5590 Engie Resources;			6,662.71
5591 WCA Waste; dumpster			99.43
5592 Paul Cote;			138.52
6310 director fees	150.00		
6514 payroll taxes	11.48-		
Beginning cash balance, March 2nd, 2017			283,738.75
less checks to be presented at this meeting :			
5593 Paul Cote; director fee 3/2			192.02
6310 director fees	150.00		
6514 payroll taxes	11.48-		
6354 travel expense	53.50		
5594 Gregory Grant; 3/2/2017			192.02
6310 director fees	150.00		
6514 payroll taxes	11.48-		
6354 travel expense	53.50		
5595 Robert Veasey III; director fee 3/2/17			162.02
6310 director fees	150.00		
6514 payroll taxes	41.48-		
6354 travel expense	53.50		
5596 Bredawn Riley; 3/2/17			192.02
6310 director fees	150.00		
6514 payroll taxes	11.48-		
6354 travel expense	53.50		
5597 Shawn Goodman; director fee 3/2/17			192.02
6310 director fees	150.00		
6514 payroll taxes	11.48-		
6354 travel expense	53.50		
5598 M.C.MUD #89 Jt Facilities; WP Billing February			60,127.30
6100 wtr plt #1/2	13,938.19		
6322 ww#1 rework	8,697.75		
6328 sjra fees ww#3	16,688.81		
6328 sjra fee ww#1/ww#2	20,802.55		
5599 Myrtle Cruz, Inc.; Jan/ Feb bookkeeping			4,318.63
6333 bookkeeping expenses	1,850.00		
6340 office expenses jan	172.00		
6340 office exp feb	146.63		
6333 bookkeeping	1,850.00		
6333 arbitrage	300.00		
5600 Allen Boone Humphries Robinson LLP; 86149			5,791.32
5601 Jones & Carter, Inc.;243711/243714/243715/243712/			21,326.59
6322 general	3,078.50		
6322 wwtp replacement	15,822.59		
6322 ms4 permit	156.50		
6322 reclaimed water	2,269.00		
5602 Municipal Operations & Consulting,Inc.;Feb operations			14,605.92
6332 district operations	4,342.00		
6340 office expenses	2,930.25		
6180 reconnection expense	840.00		
6335 r/m sewer plant	1,601.95		

MONTGOMERY COUNTY MUD #89

Cash Report for Meeting of March 2nd, 2017

	6335	r/m wtr distributn	3,197.89		
	6335	r/m lift station	270.33		
	6335	r/m sanitary swr cl	450.00		
	6324	laboratory expenses	336.00		
	6332	hourly operator chg	262.50		
	4100	delinquent letter fe	375.00		
5603	North Water District Lab; #180-3903.....				1,175.00
5604	Jeffus Unlimited,Inc.; / 1 @$180.....				180.00
5605	DXI Industries; DE05009609/55000059.....				466.42
	6342	55000059	316.42		
	6342	DE05009609	150.00		
5606	Spring Creek UD-Jt.Drainage Facility; Jan billing.....				14,417.47
	6335	pump station	11,074.75		
	6335	detention maint	3,347.53		
	5391	interest earned	4.81-		
5607	Gaylord Investment co; April 2017.....				22,475.00
5608	WAter Utility Services,Inc.;3232821 @ $198).....				198.00
5609	DSHS CEntral Lab MC2004; statement dated 2/1/17.....				1,120.06
5610	Source Point Solutions; 51673.....				1,707.50
5611	Engie Resources; billing.....				
5612	Center Point Energy;3 billings.....				
5613	WCA Waste Corp of Texas ; dumpster 27922 1/2 legend ridge...				
5614	Best Trash; FEb @$14.75.....				
		previous cash balance		18,095.97	
	03/02-03/02	3 receipts		272,636.41	
		22 current checks	<	148,839.31 >	
		other disbursements	<	6,993.63 >	
		ending cash balance			134,899.44

TIME DEPOSIT INVESTMENTS:

Allegiance Bank; 3/17 due 3/16/2017 @ .60%.....		248,346.57
Icon Bank /Augusta pines branch; 6/24 due 6/24/17 @.90%.....		244,718.16
Central Bank; 10/17 due 10/17/17 @.75%.....		240,964.41

DEMAND DEPOSIT INVESTMENTS:

Texstar; #2568122220.....			3,010,817.77
previous balance	3,009,424.27		
1/30 Int.earned	1,393.50		
Compass Bank; #72801.....			1,902,290.24
previous balance	1,902,169.52		
1/2 Int. earned	135.72		
serv charge	15.00-		
previous investments		5,645,622.93	
interest		1,529.22	
withdrawals	<	15.00 >	
ending investments			5,647,137.15

GENERAL OPERATING FUNDS AVAILABLE March 2nd, 2017 $5,782,036.59

Customers Deposits @ 1/15/17 $159,580.00

MONTGOMERY COUNTY MUD #89

Cash Report for Meeting of March 2nd, 2017 Page : 6

DEPOSIT REFUND ACCT (07800) : COMPASS BANK 2530957716

Previous cash balance, February 2nd, 2017			872.61
less: Correction to 1/3 Interest.....			10.40
Beginning cash balance, March 2nd, 2017			862.21
less checks to be presented at this meeting :			
1896 Morgan Winters; 29730 Sullivan Oaks Dr, dep. ref.....			59.63
2161 customer meter depos	175.00		
1150 less final bill	115.37-		
1897 Zina Robinson; 29736 Meridian Hill Dr, dep. ref.....			111.71
2161 customer meter depos	150.00		
1150 less final bill	38.29-		
1898 Starcrest Realty LLC; 29815 N Legends Chase Cir, dep. ref...			100.46
2161 customer meter depos	150.00		
1150 less final bill	49.54-		
1899 Advantage Asset Mgmt; 3118 Rosholt Dr, dep. ref.....			153.92
2161 customer meter depos	175.00		
1150 less final bill	21.08-		
1900 Peter Selever; 30323 Legacy Pines Dr, dep. ref.....			33.92
2161 customer meter depos	75.00		
1150 less final bill	41.08-		
1901 Yusuf Mosuro; 3323 Legends Mist Dr, dep. ref.....			123.13
2161 customer meter depos	150.00		
1150 less final bill	26.87-		
1902 Brandon Nally; 3618 Palomar Valley Dr, overpmt ref.....			29.68
1150 refund overpayment	29.68		
1903 Donald Weber; 3420 Glenmore Meadow Dr, ovrpmt ref.....			46.37
1150 refund overpayment	46.37		
1904 Kathy Schueller; 3422 Glenmore Meadow Dr, dep. ref.....			39.74
2161 customer meter depos	125.00		
1150 less final bill	85.26-		
1905 Kristey L Nelson; 29540 Salem Fields Dr, dep. ref.....			8.60
2161 customer meter depos	75.00		
1150 less final bill	66.40-		
1906 Radu Holdovan; 3111 Rustic Gardens Dr, dep. ref.....			14.25
2161 customer meter depos	75.00		
1150 less final bill	60.75-		
1907 Nick Cevasco; 3210 Canyon Square Dr, dep. ref.....			100.44
2161 customer meter depos	150.00		
1150 less final bill	49.56-		
1908 Jeannie Moore; 3508 Glenmore Meadow Dr, dep. ref.....			4.49
2161 customer meter depos	125.00		
1150 less final bill	120.51-		
1909 Angel Allen; 3526 Glenmore Meadow Dr, dep. ref.....			66.44
2161 customer meter depos	150.00		
1150 less final bill	83.56-		
previous cash balance		872.61	
14 current checks	<	892.78 >	
other disbursements	<	10.40 >	
ending cash balance			30.57-
DEPOSIT REFUND ACCTS AVAILABLE March 2nd, 2017			$30.57-

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MONTGOMERY COUNTY M.U.D. #89
Budget for Fiscal Year Ending August 31, 2017

2-Mar-17

	1 month period		6 months				
Revenue :	Actual MTD	Budget MTD	Actual YTD	Budget YTD	**ANNUAL BUDGET**	%	variance
Water Revenues	26,512.35	37,083.33	210,632.37	222,500.00	**445,000.00**	**-5.33%**	-11,867.63
Sewer Revenues	45,950.80	47,083.33	279,169.36	282,500.00	**565,000.00**	**-1.18%**	-3,330.64
Penalties	2,087.80	1,666.67	9,960.14	10,000.00	**20,000.00**	**-0.40%**	-39.86
Groundwater Fees	28,567.03	39,583.33	242,342.36	237,500.00	**475,000.00**	**2.04%**	4,842.36
Tap Fees	0.00	0.00	0.00	0.00	**0.00**		0.00
Swr Inspection Fees	0.00	0.00	1,652.62	0.00	**0.00**		1,652.62
Maintenance Tax	166,817.74	165,000.00	1,111,631.54	1,072,690.00	**1,072,690.00**	**3.63%**	38,941.54
Interest Earnings	1,523.63	833.33	8,629.18	5,000.00	**10,000.00**	**72.58%**	3,629.18
Miscellaneous	0.00	0.00	0.00	0.00	**0.00**		0.00
	271,459.35	**291,250.00**	**1,864,017.57**	**1,830,190.00**	**2,587,690.00**	**1.85%**	33,827.57

Expenses :	Actual MTD	Budget MTD	Actual YTD	Budget YTD	**Annual Budget**	%	variance
Water Plant Costs (Jt.Facilities)	13,938.19	16,534.42	47,524.09	99,206.50	**198,413.00**	**52.10%**	51,682.41
SJRA FEES WW #1/ WW#2	20,802.55	32,500.00	173,050.64	195,000.00	**390,000.00**	**11.26%**	21,949.36
SJRA FEES WW #3	16,688.81	0.00	40,571.72	0.00	**0.00**	**#DIV/0!**	(40,571.72)
S.T.P Lease Payments **	22,475.00	22,475.00	134,850.00	134,850.00	**157,325.00**	**0.00%**	0.00
Tap Connection Expenses	0.00	0.00	0.00	0.00	**0.00**		0.00
Sewer Inspection Expenses	0.00	416.67	0.00	2,500.00	**5,000.00**	**100.00%**	2,500.00
Director Fees	900.00	1,250.00	6,750.00	7,500.00	**15,000.00**	**10.00%**	750.00
Payroll Taxes	-98.88	95.63	574.22	573.75	**1,147.50**	**-0.08%**	(0.47)
Legal Fees	5,791.32	6,250.00	35,313.83	37,500.00	**75,000.00**	**5.83%**	2,186.17
Auditing Fees	0.00	0.00	11,931.81	15,000.00	**15,000.00**	**20.45%**	3,068.19
Engineering	3,078.50	4,166.67	19,768.33	25,000.00	**50,000.00**	**20.93%**	5,231.67
Lab Expenses	2,393.47	2,083.33	13,687.06	12,500.00	**25,000.00**	**-9.50%**	(1,187.06)
Permit Fees	0.00	0.00	6,245.06	6,500.00	**7,500.00**	**3.92%**	254.94
Operator	4,604.50	5,000.00	27,623.25	30,000.00	**60,000.00**	**7.92%**	2,376.75
Bookkeeping	4,000.00	2,083.33	11,550.00	12,500.00	**25,000.00**	**7.60%**	950.00
Repairs/Maintenance	8,247.67	11,250.00	61,491.93	67,500.00	**135,000.00**	**8.90%**	6,008.07
District Detention Pond Maint	0.00	4,166.67	16,012.50	25,000.00	**50,000.00**	**35.95%**	8,987.50
Sludge Hauling	99.43	8,333.33	17,390.40	50,000.00	**100,000.00**	**65.22%**	32,609.60
Joint DrainageS.C.U.D. maint	14,422.28	20,966.67	73,732.23	125,800.00	**251,600.00**	**41.39%**	52,067.77
Garbage Collection	0.00	24,166.67	117,021.14	145,000.00	**290,000.00**	**19.30%**	27,978.86
STORM WATER PERMITTING	156.50	1,250.00	5,589.33	7,500.00	**15,000.00**	**25.48%**	1,910.67
Chemicals	466.42	833.33	4,591.57	5,000.00	**10,000.00**	**8.17%**	408.43
Office Expenses	3,311.56	3,750.00	20,203.31	22,500.00	**45,000.00**	**10.21%**	2,296.69
Utilities	6,755.68	6,500.00	29,975.55	39,000.00	**78,000.00**	**23.14%**	9,024.45
Insurance	0.00	0.00	-517.22	0.00	**10,000.00**	**#DIV/0!**	517.22
Travel Fees	267.50	0.00	1,439.26	5,000.00	**10,000.00**	**71.21%**	3,560.74
Water /Sewer Assessment	0.00	0.00	4,550.14	6,000.00	**6,000.00**	**24.16%**	1,449.86
Miscellaneous Expenses	0.00	416.67	1,678.78	2,500.00	**5,000.00**	**32.85%**	821.22
Water Smart /Membership Materials	0.00	466.67	0.00	2,800.00	**5,600.00**	**100.00%**	2,800.00
Annual HOA /% detention /sidewalk	0.00	4,166.67	0.00	25,000.00	**50,000.00**	**100.00%**	25,000.00
TOTAL EXPENSES	**128,300.50**	**179,121.71**	**882,598.93**	**1,107,230.25**	**2,085,585.50**	**20.29%**	224,631.32

CAPITAL / NON RECURRING Expenses	Actual MTD	Budget MTD	Actual YTD	Budget YTD	**ANNUAL BUDGET**
Engineering / Feasibility Reclaimed Water	2,269.00	2,150.00	7,479.00	5,000.00	10,000.00
Eng / WWTP Replacement	15,822.59	25,000.00	101,529.45	85,000.00	154,000.00
Eng/ Construction WW Rework	8,697.75	1,000.00	14,623.82	6,000.00	156,200.00
	26,789.34	**28,150.00**	**123,632.27**	96,000.00	**320,200.00**

Beginning Balance	**5,664,591.51**	**4,939,819.89**	**181,904.50**
Cust/Bldr Mtr Deposits	**1,045.00**	**8,270.00**	
2016 Refunding	**0.00**	**0.00**	
Prior Year Garbage Billing	**0.00**	**(23,870.24)**	
Net Surplus or (Deficit)	**116,369.51**	**857,786.37**	
Funds Available as of 3/2/2017	**5,782,006.02**	**5,782,006.02**	

Checking (comp) + investments	**5,782,036.59**
Deposit Refund acct @ comp	**-30.57**
TOTAL OPERATING FUNDS	**5,782,006.02**

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MONT CTY MUD #89-JT FACILITIES

Cash Report for Meeting of March 2nd, 2017 Page : 2

JT FACILITIES-OPERATING (230OP) : COMPASS BANK 75838

Previous cash balance, February 2nd, 2017			77,519.73
plus: 1/2 Int. earned			8.64
plus: 02/06 Mont Cty MUD #89; share of expenses			26,861.30
plus: 02/10 Mont Cty MUD# 88; share of expenses			16,013.44
plus: 02/23 Spring Creek UD; share of expenses			29,605.53
	Total Deposits :		72,488.91
less checks completed at or after last meeting :			
2021 San Jacinto River authority; Jan grp fee			41,330.00
2022 Engie Resources;			10,646.27
6352 29722 legendridge		3,257.02	
6352 3103 elan		7,389.25	
Beginning cash balance, March 2nd, 2017			98,032.37
less checks to be presented at this meeting :			
2023 Myrtle Cruz, Inc.; Jan/FEb bookkeeping			1,082.66
6333 bookkeeping expenses		500.00	
6340 office expenses feb		38.72	
6340 office exp jan		43.94	
6333 bookkeeping expenses		500.00	
2024 Spring Creek UD; reimb sjra fee on WW#3/ jan /feb			24,862.50
6328 feb wtr auth assessm		12,087.50	
6328 jan wtr auth assessm		12,775.00	
2025 Jones & Carter; 243713 ww#1 rework			2,307.62
2026 Municipal Operations & Consulting; Feb. operations			2,350.23
6335 r/m wtr plant #2		420.69	
6135 r/m wtr plant #1		1,008.79	
6332 operator hourly		68.75	
6332 operator's fees		852.00	
2027 DXI industries;#55000058/55000060/			527.36
6342 wp#2 55000060		210.94	
6342 wp#1 55000058		316.42	
2028 Jeffus Unlimited,Inc.;745 /Wp#2($200)/wp#1(120)			320.00
6135 Water Plant #1 Legen		120.00	
6135 Water Plant # 2 Elan		200.00	
2029 GM Inspection Serv; #14084 wp #2			525.00
2030 STP Services ; #20328/20319			8,630.00
6335 well #1 20328		8,280.00	
6335 wp#2 20319		350.00	
2031 San Jacinto River Authority; quarterly assessment			7,917.00
2032 Weisinger Inc; PE# 1 ww#1 rework			17,460.00
2033 Engie Resources; 2 billings			
2034 San Jacinto River Authority; Feb grp fee			
previous cash balance		77,519.73	
4 receipts		72,488.91	
12 current checks	<	65,982.37 >	
other disbursements	<	51,976.27 >	
ending cash balance			32,050.00
JT FACILITIES-OPERATING FUNDS AVAILABLE March 2nd, 2017			$32,050.00

#9

MONTGOMERY COUNTY MUD #89
JOINT FACILITIES (Water Plant #1 and #2)
Budget for Fiscal Year Ending August 31st, 2017

2-Mar-17

	1 month		6 months			v
Revenue :	Actual MTD	Budget MTD	Actual YTD	Budget YTD	**Annual Budget**	variance
M.C.MUD #89	26,861.30	44,913.48	286,590.04	269,480.87	538,961.75	17,109.17
Spring Crk U.D.	29,605.53	22,291.14	172,825.93	133,746.84	267,493.69	39,079.09
M.C.MUD #88	16,013.44	18,399.55	165,472.58	110,397.28	220,794.57	55,075.30
Interest earned	8.64	0.00	43.57	0.00	0.00	43.57
	72,488.91	**85,604.17**	**624,932.12**	**513,625.00**	**1,027,250.00**	111,307.12

Expenses :	Actual MTD	Budget MTD	Actual YTD	Budget YTD	**Annual Budget**	variance
Repairs & Maint (incl lab)	10,904.48	4,166.67	27,002.25	25,000.00	**50,000.00**	(2,002.25)
Engineering	0.00	416.67	1,463.50	2,500.00	**5,000.00**	1,036.50
Rebuild Booster Bump	0.00	0.00	0.00	0.00	**25,000.00**	0.00
Permit	0.00	0.00	0.00	0.00	**25,000.00**	0.00
Operator	920.75	958.33	5,798.25	5,750.00	**11,500.00**	(48.25)
Bookkeeping	1,000.00	500.00	3,000.00	0.00	**6,000.00**	(3,000.00)
Audit	0.00	0.00	2,500.00	0.00	**0.00**	(2,500.00)
Office Expense	82.66	62.50	530.47	375.00	**750.00**	(155.47)
Chemicals	527.36	625.00	4,535.33	3,750.00	**7,500.00**	(785.33)
Utilities	10,646.27	10,833.33	59,273.25	65,000.00	**130,000.00**	5,726.75
Insurance & Bonds	0.00	0.00	0.00	0.00	**10,000.00**	0.00
Telephone Expenses	0.00	541.67	101.38	3,250.00	**6,500.00**	3,148.62
San Jacinto River Authority GRP fee	49,247.00	62,500.00	406,182.04	375,000.00	**750,000.00**	(31,182.04)
	73,328.52	**80,604.17**	**510,386.47**	**480,625.00**	**1,027,250.00**	(29,761.47)

Previous Balance	**77,519.73**	**17,067.70**	
SCUD reimburse utilities prior yr	**0.00**	**9,459.32**	
MC #89/MC#88 SJRA fee WW#3	**(24,862.50)**	**(75,786.72)**	
Engineering & Const WW#1 Rework	**(19,767.62)**	**(33,235.95)**	
Net Profit or (Loss)	**(839.61)**	**114,545.65**	**0.00**
Cash Report Balance 3/2/2017	**32,050.00**	**32,050.00**	

Myrtle Cruz, Inc.; 3401 Louisiana, Suite 400, Houston, Texas 77002 (713) 759-1368 Fax (713) 759-1264

MONTGOMERY COUNTY MUD #89 ; JOINT WATER PLANTS 3/2/2016

Fixed Expenses @ Ownership

Variable Expenses @ Percentage of Total Usage

	FIXED EXPENSES: Water Well #1	Total	M.C.MUD #89	SPRING CRK U.D.
CK#	*Ownership*	*100.00%*	*44.00%*	*56.00%*
2023	Bookkeeping (including int ./ service charge)	537.01	236.28	300.73
2025	Engineering WW #1 Rework	2,307.62	1,015.35	1,292.27
2032	Weisinger ; PE #1 WW #1 Rework	17,460.00	7,682.40	9,777.60
2028	Mowing / Jeffus	120.00	52.80	67.20
trf to district	Audit	0.00	0.00	0.00
	Total Fixed Expenses	**20,424.63**	**8,986.84**	**11,437.79**
2031	Lone Star Groundwater (permit) Reimbursed to SJRS/quarterly averag	6,016.92	3,483.48	2,533.44
2021	San Jacinto RA; January	13,727.50	3,502.16	10,225.34
	Total groundwater reduction expenses	**19,744.42**	**6,985.64**	**12,758.78**

	FIXED EXPENSES: Water Well #2	Total	M.C.MUD #89	M.C.MUD #88
CK#	*Ownership*	*100.00%*	*59.80%*	*40.20%*
2023	Bookkeeping (including int / service charge)	537.01	321.13	215.88
	Audit	0.00	0.00	0.00
	Engineering	0.00	0.00	0.00
2028	Mowing	200.00	119.60	80.40
	Total Fixed Expenses	**737.01**	**440.73**	**296.28**
2031	Lone Star Groundwater (permit) Reimbursed to SJRS/quarterly averag	1,900.08	0.00	1,900.08
2024	Reimburse Spring Creek share of SJRA Jan/Feb	24,862.50	16,688.81	8,173.69
2021	San Jacinto RA JAN fee	27,602.50	13,816.91	13,785.59
0	**Total groundwater reduction expenses**	**54,365.08**	**30,505.72**	**23,859.36**

	Variable Expenses WW #1/ WW #2	Totals	Mont Cty MUD #89	Spring Creek UD	Mont Cty MUD #88
	Usage	21,564,000	12,559,065	5,864,314	3,140,621
Check #	Percentage	100.00%	58.24%	27.19%	14.56%
2016	Operator	920.75	536.25	250.40	134.10
2016	Repair /Maint Operator	1,429.48	832.54	388.75	208.19
2022	Engie	10,646.27	6,200.48	2,895.25	1,550.54
2030	STP Services	8,630.00	5,026.19	2,346.92	1,256.89
2027	DXI Industries	527.36	307.14	143.42	76.81
2029	GM Inspection Services	525.00	305.76	142.77	76.46
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
	Total Variable Expenses	**22,678.86**	**13,208.37**	**6,167.50**	**3,302.99**

	TOTAL DUE	**117,950.00**	**60,127.30**	**30,364.07**	**27,458.63**

Make Check Payable to Mont Cty MUD #89 Joint Facilities

in care of Myrtle Cruz, Inc.
3401 Louisiana Suite 400, Houston, Texas 77002

Balance on cash report	**32,050.00**
Due from Mont Cty MUD #89	**60,127.30**
Due from SPRING CRK U.D	**30,364.07**
Due from Mont Cty MUD #88	**27,458.63**
RESERVE BALANCE	150,000.00

Reserve Balance $150,000.00
MC MUD #89 $83,650.00 S.C.U.D. $41,800.00
MC MUD #88 $24,550.00

MONTGOMERY COUNTY MUD 89 WATER PLANT No. 1 & 2

Date: February, 2017 February 15th billing

VARIABLE COST % CALCULATION

TOTAL COMBINED WELL PRODUCTION 22,254,000

		% FLOW	ADJUSTED FLOW
MONTGOMERY COUNTY MUD 89 USAGE	10,558,000	47.4%	10,558,000
PLUS FLUSHING/LEAKS	0		
SPRING CREEK UD USAGE	6,525,000	29.3%	6,525,000
PLUS FLUSHING/LEAKS			
MONTGOMERY COUNTY MUD 88 USAGE	5,171,000	23%	5,171,000
PLUS FLUSHING/LEAKS			
TOTAL	22,254,000	100%	22,254,000

REQUIRED FIELDS

#12

Report for
MONTGOMERY COUNTY M.U.D.#89 Prepared for the reporting period ("Period") from **1/1/2017** to **2/3/2017**

#13

Investment Pools #REF!		Rate	Beginning Value for Period Book	N.A.V.	Market	Interest earned this Period	Deposits or (Withdrawals)	Ending Value for Period Book	N.A.V.	Market
BF	TEXSTAR	0.5452%	404,740.52	1.000215	404,827.54	187.42	1,000,000.00	1,404,927.94	1.000225	1,405,244.05
CA	TEXSTAR	0.5452%	1,897,195.75	1.000215	1,897,603.65	991.25	(330,000.00)	1,568,187.00	1.000225	1,568,539.84
OA	TEXSTAR	0.5452%	3,009,424.27	1.000215	3,010,071.30	1,393.50	0.00	3,010,817.77	1.000225	3,011,495.20
		0.5452%	5,311,360.54		5,312,502.48	2,572.17	670,000.00	5,983,932.71		3,011,495.20

Certificates of Deposits fund		Rate	Purchase Value	Term in Days	Begin Value for Period	Interest accrued this period	Deposits or (Withdrawals)	Ending Value for Period	Date of Purchase	Date of Maturity
BF	Texan Bank	0.75%	100,139.31	366	100,826.57	68.48	(100,895.04)	0.00	2/2/2016	2/2/2017
BF	Texas Capital	0.35%	201,406.34	184	201,699.90	71.20	(201,771.10)	0.00	8/2/2016	2/2/2017
BF	3rd Coast Bank	0.50%	243,490.37	365	243,984.02	113.41	0.00	244,097.43	8/6/2016	8/6/2017
BF	Independent (bnk houston)	0.60%	243,375.82	365	243,967.92	136.02	0.00	244,103.95	8/6/2016	8/6/2017
BF	Green Bank	0.50%	242,643.10	365	242,869.12	113.01	0.00	242,982.14	10/25/2016	10/25/2017
BF	Texan Bank	0.75%	100,895.04	365	0.00	2.07	100,895.04	100,897.11	2/2/2017	2/2/2018
BF	Austin Capital	0.80%	240,000.00	365	0.00	0.00	240,000.00	240,000.00	2/3/2017	2/3/2018
OA	Allegiance	0.60%	248,346.57	364	249,530.47	138.80	0.00	249,669.27	3/17/2016	3/16/2017
OA	ICON Bank	0.90%	244,718.16	365	245,870.68	205.16	0.00	246,075.84	6/24/2016	6/24/2017
OA	Central Bank	0.75%	240,964.41	365	241,340.71	168.34	0.00	241,509.06	10/17/2016	10/17/2017
		0.6161%	2,105,979.12	366	1,770,089.39	205.16	38,228.90	1,809,334.79		213

Federal Obligations fund	Simple APR	Purchase Value	Term in Days	Begin Period Market Value	Gain (Loss) to Market Value	Deposits or (Withdrawals)	Ending Period Market Value	Date of Purchase	Date of Maturity
		0.00	0	0.00	0.00	0.00	0.00		
total investments	0.5713%	7,417,339.66	366	7,082,591.88	2,777.33	708,228.90	7,793,267.50	wam:	50

Compliance Statement. The investments (reported on above) for the Period are in compliance with the investment strategy expressed in the District's Investment Policy and the Public Funds Investment Act.

Review. This report and the District's Investment Policy are submitted to the Board for its review and to make any changes thereto as determined by the Board to be necessary and prudent for the management of District funds.

Investment Training: Mary Jarmon Sept 2015

Signatures.

Investment Officer (please sign & date)

Bookkeeper (Myrtle Cruz, Inc.)

Deposit / Collateral Report by District

MONTGOMERY COUNTY MUD 89

Tax ID - Pledge: 760694651-20451

1st. Consultant: MCI-MYRTLE CRUZ, INC.

2nd. Consultant:

BBVA Compass Bank

Pledge Date: 02/01/2017

Accounts Through: 1/31/2017 10:00 PM

Memo Posts Through: NO MEMO POSTS

Deposits

Interest Account

Acct No	Funds Type	Class	Balance	Interest	Total
0000068031	Interest Account		$5,703.71	$0.00	$5,703.71
0000072801	Interest Account		$1,065,112.10	$0.00	$1,065,112.10
0000075838	Interest Account		$138,056.67	$0.00	$138,056.67
2530957716	Interest Account		$1,403.44	$0.00	$1,403.44
2530962922	Interest Account		$2,537,632.84	$0.00	$2,537,632.84
6722396055	Interest Account		$23,523.49	$0.00	$23,523.49
6726068745	Interest Account		$132,355.18	$0.00	$132,355.18
Subtotal Interest Account			**$3,903,787.43**	**$0.00**	**$3,903,787.43**

Bond Fund

Acct No	Funds Type	Class	Balance	Interest	Total
0000074229	Bond Fund		$180,313.57	$0.00	$180,313.57
Subtotal Bond Fund			**$180,313.57**	**$0.00**	**$180,313.57**
Total Deposits			**$4,084,101.00**	**$0.00**	**$4,084,101.00**

Securities

Agency	Custodian	CUSIP	Maturity Date	Date Pledged	Units Pledged	Market Value
FHLB-A-LO	CH	96083	06/29/2017	06/29/2016 02:08 PM	3,500,000	$3,500,000.00
FHLB-A-LO	CH	96083	06/29/2017	01/06/2017 11:22 AM	2,500,000	$2,500,000.00
Total Securities Pledged					**6,000,000**	**$6,000,000.00**

DEPOSIT / COLLATERAL POSITION CALCULATION

Subtotal Interest Deposits	$3,903,787.43
Subtotal Non-Interest Deposits	$0.00
Subtotal Bond Fund Deposits	$180,313.57
TOTAL DEPOSITS	$4,084,101.00
LESS APPLICABLE FDIC	
Subtotal Interest Deposits	$250,000.00
Subtotal Non-Interest Deposits	$0.00
Subtotal Bond Fund Deposits	$180,313.57
Deposits Requiring Collateral	$3,653,787.43
TOTAL SECURITIES PLEDGED	$6,000,000.00
DEPOSIT COLLATERAL POSITION - 100%	$2,346,212.57
DEPOSIT COLLATERAL POSITION - 105%	$2,163,523.20
	164%

JONES | CARTER

8701 New Trails Drive, Suite 200
The Woodlands, Texas 77381-4241
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www.jonescarter.com

March 1, 2017

Board of Directors
Montgomery County Municipal Utility District No. 89
c/o Allen Boone Humphries Robinson LLP
3200 Southwest Freeway, Suite 2600
Houston, Texas 77027

Re: Engineering Report
Regular Board Meeting of March 2, 2017

Dear Directors:

The following items summarize our activities since your last meeting:

Regular Agenda Items (Agenda Items Nos. 9-12)

1. **Engineering Matters (Agenda Item No. 9)**

   Water Well No. 1 Rework: Weisinger, Inc. (the "Contractor") is complete with both disassembly of the well and the initial televising. The Contractor has also wire brushed and jetted the well screens and cleaned debris from the bottom of the well. The pumping equipment was inspected on February 7th and as a result, confirmed the need to replace the pump bowl, column sections, oil tubes and line shafting. The next camera survey is scheduled for March 2nd. We are currently reviewing the pump submittal for the new pump. This contract is 130 calendar days, therefore contract completion is June 1, 2017. The contractor is expected to be complete by early May 2017.

   a) Pay Estimate No. 1 in the amount of **$17,460.00** is enclosed for your review and approval to Weisinger, Inc.

2. **Pay Estimates, Change Orders, and final acceptance of wastewater treatment plant (Agenda Item No. 10)** – Bryan Construction Company (the "Contractor") is currently working on the chemical storage building and the electrical contractor is working on running power to all equipment. The clarifier equipment is installed, and all bridges and walkways are constructed. The pumps have been installed at both the recycle pump station and non-potable water station.

   a) Pay Estimate No. 10 in the amount of **$352,602.05** is enclosed for your review and approval to Bryan Construction Company.

3. **Long Term Plan (Agenda Item No. 11)** – Enclosed is a copy of the current five-year Capital Improvements Plan.

4. **Storm Water Permitting Matters (Agenda Item No. 12)** – Jones|Carter continued with administrative services in accordance with Permit Year 3 of the Storm Water Management Program (SWMP).

We look forward to meeting with you.

Sincerely,

Justin Abshire

Justin Abshire, P.E.

JTA/lr2
K:\G0012\G0012-0900-17 2017 General Consultation\Meeting Files\Status Reports\3.2.17\Engineer's Report 3-2-17.doc

Enclosures:
Construction Pay Estimate No. 1 – Water Well No. 1 Rework
Construction Pay Estimate No. 10 – Wastewater Treatment Plant Replacement
Construction Schedule – Wastewater Treatment Plant Replacement
Five-year Capital Improvements Plan

cc w/enc: Mr. Tim Austin – Allen Boone Humphries Robinson LLP

JONES | CARTER

6330 West Loop South, Suite 150
Bellaire, Texas 77401
Tel: 713.777.5337
Fax: 713.777.5976
www.jonescarter.com

February 23, 2017

Board of Directors
Montgomery County Municipal Utility District No. 89
c/o Allen Boone Humphries Robinson, LLP
3200 Southwest Fwy., Suite 2600
Houston, TX 77027

Attention: Mr. Tim Austin

Re: Construction of Water Well No. 1 Rework
Montgomery County Municipal Utility District No. 89
Operating Funds
TIN No. 76-0694651

Dear Directors:

Enclosed is Progress Payment Request No. 1 from Weisinger, Inc. for the referenced project. The estimate is in order and we recommend payment in the amount of $17,460.00 to Weisinger, Inc.

Also enclosed is Construction Progress Report No. 1, which is submitted in accordance with Texas Commission on Environmental Quality Rule No. 293.62. This report covers construction activities for the referenced project during the period January 22, 2017 to February 20, 2017.

Sincerely,

Stephanie S. Kaspar, P.E.

SSK:ldg/bmr
EST\G012-011.doc
Enclosure
cc: Weisinger, Inc.
Ms. Mary Jarmon – Myrtle Cruz, Inc
Texas Commission on Environmental Quality – Houston

March 1, 2017

Construction Progress Report No. 1
Period January 22, 2017 to February 20, 2017

Construction of Water Well No. 1 Rework
Montgomery County Municipal Utility District No. 89
Operating Funds
TIN No. 76-0694651

Contract:

A. Contractor: Weisinger, Inc.
B. Contract Date: January 10, 2017
C. Authorization to Proceed: January 22, 2017 (131 Calendar Days)
D. Completion Date: June 1, 2017
E. Contract Time Used: 29 Calendar Days (22%)

I. General

Contractor mobilized to the site and completed both the disassembly of the well and televising. Based on the direction from the engineer, the contractor has also sounded the lap and wire brushed the well screens.

II. Change Orders

None Issued this Report.

III. Completion Report

A.	Estimated Cost as of this Report Period			
	1.	Contract Bid Price	$	110,894.00
	2.	Change Orders	$	0.00
	3.	Total Estimated Contract Price	$	110,894.00
B.	Actual cost as of this Report		$	19,400.00
C.	Amount Retained (10% of B)		$	1,940.00
D.	Total Paid Contractor		$	17,460.00
E.	Estimated Cost Remaining (A.3 - B)		$	91,494.00
F.	Construction Complete (B/A.3)			17%

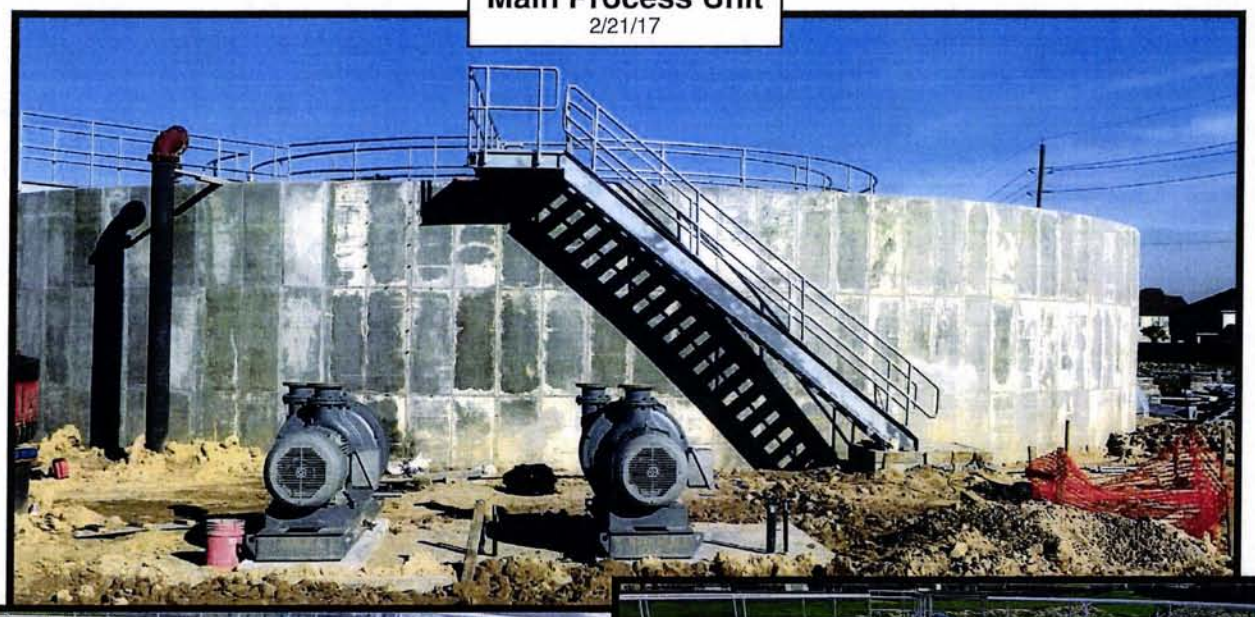
IV. Frequency of Observation
A. Field Representative - On-site daily

B. Engineer Observation - Periodically on-site

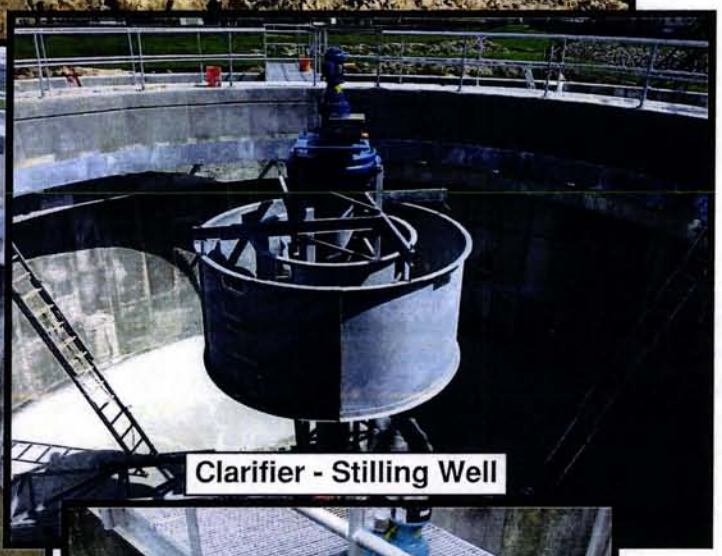
V. Problems

None this period.

Main Process Unit
2/21/17



Clarifier - Center Pier, Cage & Drive



Clarifier - Stilling Well

Clarifier - Lower Rake Arms

Anoxic Basin - Mixer, Shaft & Motor

JONES | CARTER

February 23, 2017

6330 West Loop South, Suite 150
Bellaire, Texas 77401
Tel: 713.777.5337
Fax: 713.777.5976
www.jonescarter.com

Board of Directors
Montgomery County Municipal Utility District No. 89
c/o Allen Boone Humphries Robinson, LLP
3200 Southwest Fwy., Suite 2600
Houston, TX 77027

Attn: Mr. Tim Austin

Re: Construction of Wastewater Treatment Plant Replacement - 0.38 MGD
Montgomery County Municipal Utility District No. 89
Existing Bond - $4,060,000 Bond Issue No. 8, Series 2016
TIN No. 76-0694651

Dear Directors:

Enclosed is Progress Payment Request No. 10 from Bryan Construction Company for the referenced project. The estimate is in order and we recommend payment in the amount of $352,602.05 to Bryan Construction Company.

Also enclosed is Construction Progress Report No. 10, which is submitted in accordance with Texas Commission on Environmental Quality Rule No. 293.62. This report covers construction activities for the referenced project during the period January 21, 2017 to February 20, 2017.

Sincerely,

Bethany A. Miller, P.E.

BAM:ldg/bmr
L:\PROJS\CONST\EST\Estimate Letters\G0012-0009-00.doc
Enclosure

cc: Bryan Construction Company
Ms. Mary Jarmon - Myrtle Cruz, Inc.
Texas Commission on Environmental Quality – Houston
Texas Commission on Environmental Quality – Austin

February 23, 2017

Construction Progress Report No. 10
Period January 21, 2017 to February 20, 2017

Construction of Wastewater Treatment Plant Replacement - 0.38 MGD
Montgomery County Municipal Utility District No. 89
Existing Bond - $4,060,000 Bond Issue No. 8, Series 2016
TIN No. 76-0694651

Contract:

A. Contractor: Bryan Construction Company
B. Contract Date: March 8, 2016
C. Authorization to Proceed: March 25, 2016 (395 Calendar Days)
D. Completion Date: April 23, 2017
E. Contract Time Used: 333 Calendar Days (84%)

I. General

Significant progress has been made at the headworks, with the installation of the FRP Pull Gates, the Manual Bar Screen, the Mechanical Helical Screen and the completion of the grating and stairs. The Clarifier has been installed in the Main Process Unit, along with the completion of the installation of the Mixer, the concrete walkway, grating, stairs and handrails. Pumps have been installed at both the Recycle Pump Station and the Non-Potable Water Station. Work has begun on the Chemical Feed System, while installation of site-wide piping and electrical duct bank continues.

II. Change Orders

Change Order No. 001 was issued in the amount of $600.00 and authorized a time extension of 1 day.

II. Completion Report

A.	Estimated Cost as of this Report Period		
1.	Contract Bid Price	$	3,668,800.00
2.	Change Orders	$	600.00
3.	Total Estimated Contract Price	$	3,669,400.00
B.	Cost of Completed Work	$	1,598,711.20
C.	Materials on Hand	$	236,688.06
D.	Actual cost as of this Report	$	2,449,764.51
E.	Amount Retained (10% of D)	$	244,976.45
F.	Total Paid Contractor	$	2,204,788.06
G.	Estimated Cost Remaining (A.3 - D)	$	1,293,628.55
H.	Construction Complete (D/A.3)		65%

IV. Frequency of Observation

A. Field Representative - On-site daily
B. Engineer Observation - Periodically on-site

V. Problems

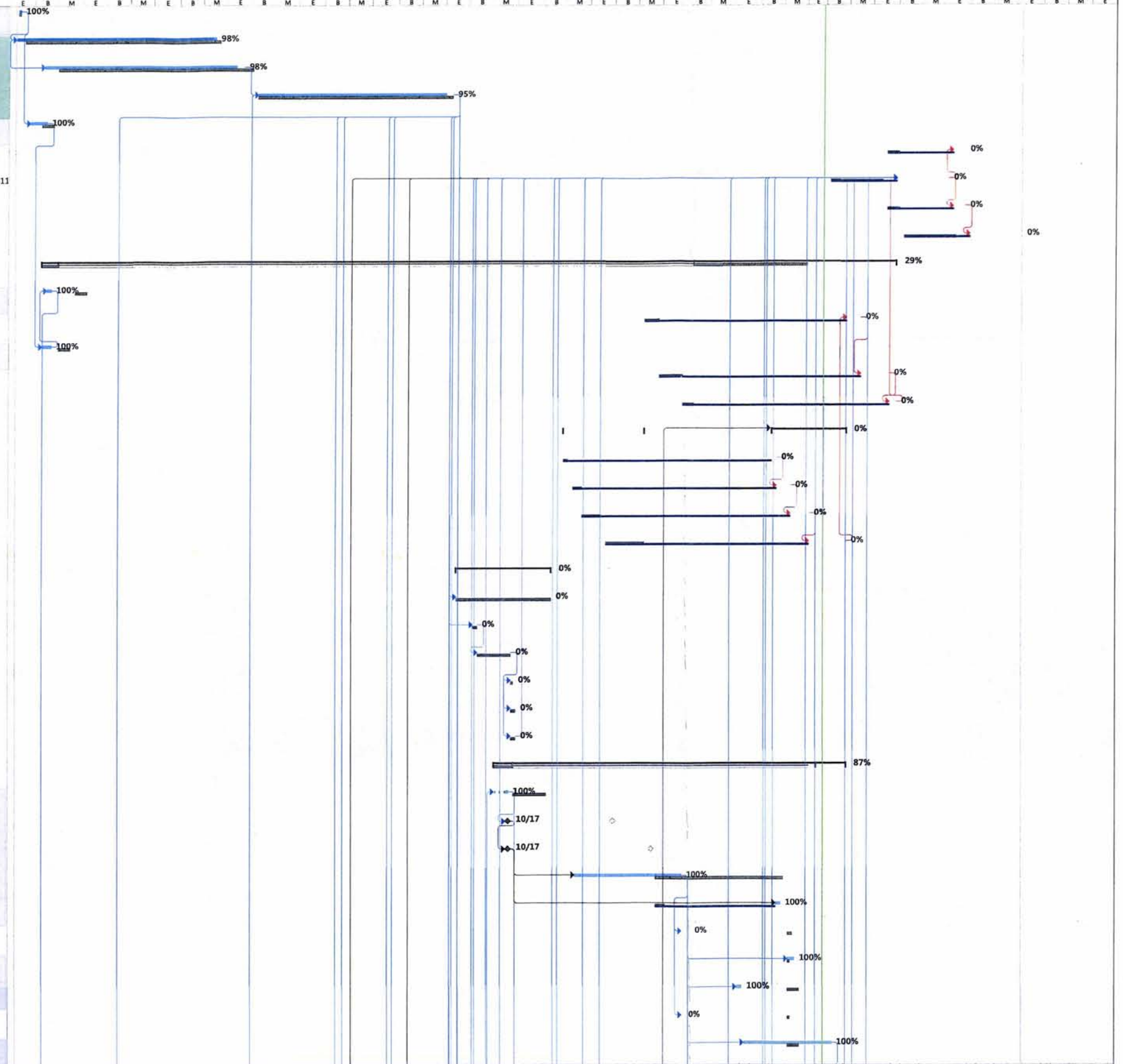
No problems this period.

= Item Complete = Item Underway

Bryan Construction Company

MC MUD 89 WWTP

ID	Task Mode	Task Name	Duration	Start	Finish	% Complete	Actual Start	Actual Finish	Actual Duration	Predecessors
1		**Notice To Procede**	**1 day**	**Fri 3/25/16**	**Fri 3/25/16**	**100%**	**Fri 3/25/16**	**Fri 3/25/16**	**1 day**	
2		**Shop Drawing - Submit**	**60 days**	**Thu 3/24/16**	**Wed 6/15/16**	**98%**	**Thu 3/24/16**	**NA**	**58.8 days**	**1**
3		**Engineers Review of Submittals**	**60 days**	**Tue 4/5/16**	**Mon 6/27/16**	**98%**	**Tue 4/5/16**	**NA**	**58.8 days**	**2SS+10 days**
4		**Equipment Relase/Fabrication**	**60 days**	**Mon 7/4/16**	**Fri 9/23/16**	**95%**	**Mon 7/4/16**	**NA**	**57 days**	**3**
5		**Mobilization - Move In**	**5 days**	**Wed 3/30/16**	**Tue 4/5/16**	**100%**	**Wed 3/30/16**	**Tue 4/5/16**	**5 days**	**1FS+5 days**
6		Mobilization - Move Out	5 days	Mon 4/24/17	Fri 4/28/17	0%	NA	NA	0 days	7
7		Substantial Completion	16 days	Fri 3/31/17	Fri 4/21/17	0%	NA	NA	0 days	20,27,42,77,85,93,11
8		Plant Start Up	5 days	Mon 4/24/17	Fri 4/28/17	0%	NA	NA	0 days	7
9		Final Completion	16 days	Mon 5/1/17	Mon 5/22/17	0%	NA	NA	0 days	8
10		**Site Work**	**259 days**	**Mon 4/4/16**	**Thu 3/30/17**	**29%**	**Mon 4/4/16**	**NA**	**74 days**	
11		**Clear & Grub Site**	**2 days**	**Wed 4/6/16**	**Thu 4/7/16**	**100%**	**Wed 4/6/16**	**Thu 4/7/16**	**2 days**	**13**
12		Finish Grade Site	4 days	Fri 3/10/17	Wed 3/15/17	0%	NA	NA	0 days	20
13		**Silt Fence**	**4 days**	**Mon 4/4/16**	**Thu 4/7/16**	**100%**	**Mon 4/4/16**	**Thu 4/7/16**	**4 days**	**5**
14		Fencing	8 days	Thu 3/16/17	Mon 3/27/17	0%	NA	NA	0 days	12
15		Seeding & Hydromulch	3 days	Tue 3/28/17	Thu 3/30/17	0%	NA	NA	0 days	14
16		**Site Concrete**	**24 days**	**Mon 2/6/17**	**Thu 3/9/17**	**0%**	**NA**	**NA**	**0 days**	**136**
17		Layout Road Way	2 days	Mon 2/6/17	Tue 2/7/17	0%	NA	NA	0 days	
18		Roadway Excavation	4 days	Wed 2/8/17	Mon 2/13/17	0%	NA	NA	0 days	17
19		Lime Stabilization	6 days	Tue 2/14/17	Tue 2/21/17	0%	NA	NA	0 days	18
20		Concrete Paving	12 days	Wed 2/22/17	Thu 3/9/17	0%	NA	NA	0 days	19
21		**Existing Lift Station Modifications**	**30 days**	**Mon 9/26/16**	**Fri 11/4/16**	**0%**	**NA**	**NA**	**0 days**	
22		Bypass Pumping	30 days	Mon 9/26/16	Fri 11/4/16	0%	NA	NA	0 days	4
23		Demolition	2 days	Mon 10/3/16	Tue 10/4/16	0%	NA	NA	0 days	22SS+5 days
24		Install Lift Station Pumps & Piping	10 days	Wed 10/5/16	Tue 10/18/16	0%	NA	NA	0 days	23
25		Start Up Lift Station Pumps	1 day	Wed 10/19/16	Wed 10/19/16	0%	NA	NA	0 days	24
26		Rework Hatches	2 days	Wed 10/19/16	Thu 10/20/16	0%	NA	NA	0 days	24
27		Sandblast & Paint Piping	2 days	Wed 10/19/16	Thu 10/20/16	0%	NA	NA	0 days	24
28		**Headworks**	**107 days**	**Wed 10/12/16**	**Thu 3/9/17**	**87%**	**Wed 10/12/16**	**NA**	**92.57 days**	
29		**Structural Excavation**	**1 day**	**Wed 10/12/16**	**Mon 10/17/16**	**100%**	**Wed 10/12/16**	**Mon 10/17/16**	**1 day**	**108**
30		**Drilled Piers**	**0 days**	**Wed 10/12/16**	**Mon 10/17/16**	**100%**	**Wed 10/12/16**	**Mon 10/17/16**	**0 days**	**29**
31		**Concrete Columns**	**0 days**	**Wed 10/12/16**	**Mon 10/17/16**	**100%**	**Wed 10/12/16**	**Mon 10/17/16**	**0 days**	**30**
32		**Elevated Concrete**	**33 days**	**Tue 11/15/16**	**Thu 12/29/16**	**100%**	**Tue 11/15/16**	**Thu 12/29/16**	**33 days**	**31**
33		**Install FRP Gates & Frames**	**2 days**	**Wed 2/8/17**	**Thu 2/9/17**	**100%**	**Wed 2/8/17**	**Thu 2/9/17**	**2 days**	**31**
34		Interior Concrete Wall Coating	2 days	Fri 12/30/16	Mon 1/2/17	0%	NA	NA	0 days	32
35		**Hydrotest Elevated Concrete**	**3 days**	**Mon 2/13/17**	**Wed 2/15/17**	**100%**	**Mon 2/13/17**	**Wed 2/15/17**	**3 days**	**32**
36		**Install Fine Screen**	**2 days**	**Mon 1/23/17**	**Tue 1/24/17**	**100%**	**Mon 1/23/17**	**Tue 1/24/17**	**2 days**	**32**
37		Start Up Fine Screen	1 day	Fri 12/30/16	Fri 12/30/16	0%	NA	NA	0 days	32
38		**Install Exposed Piping**	**27 days**	**Thu 1/26/17**	**Fri 3/3/17**	**100%**	**Thu 1/26/17**	**Fri 3/3/17**	**27 days**	**32**



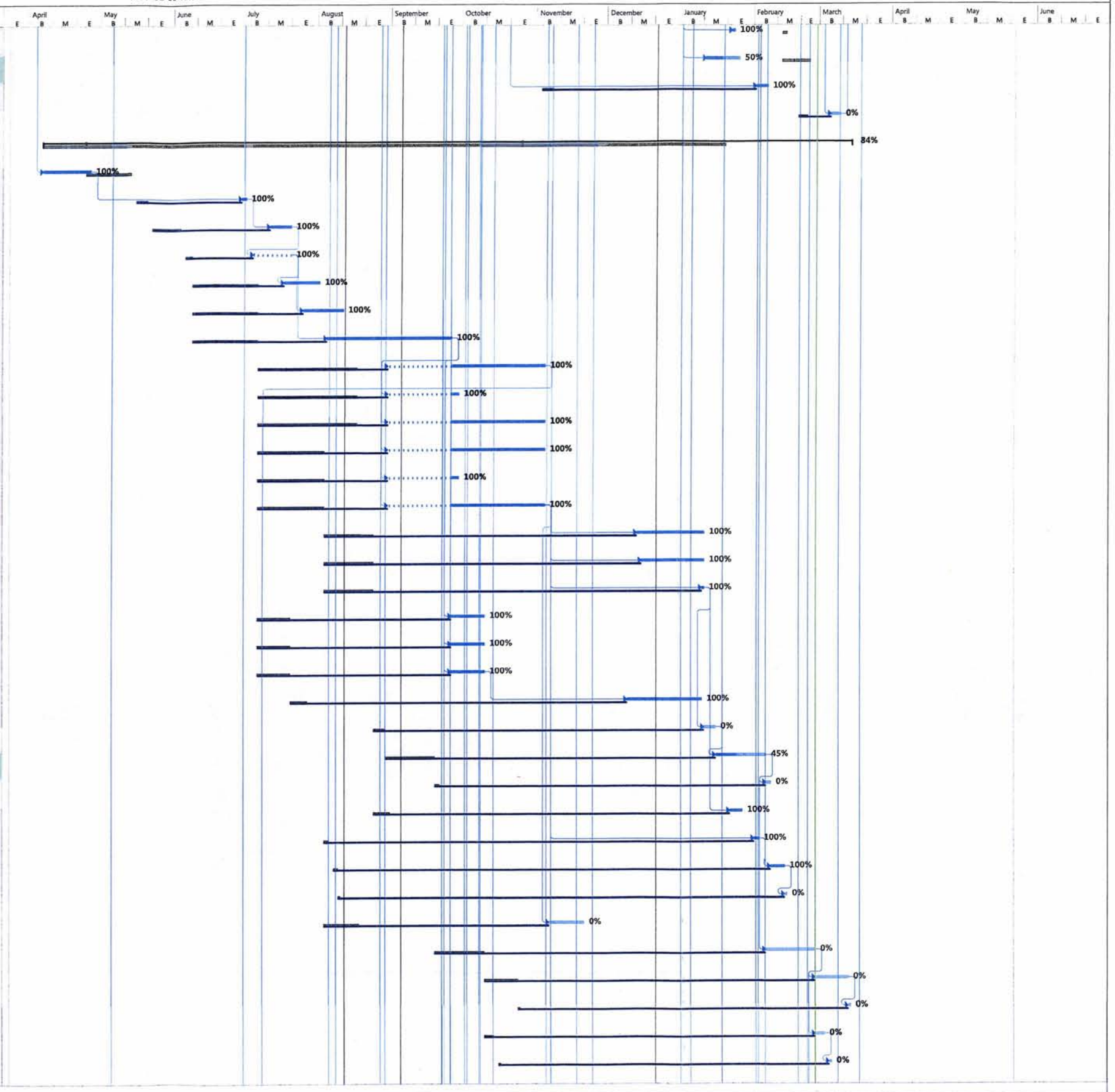
MC MUD 89 WWTP Replacement -0.38 MGD
Bryan Construction Company

Critical Progress, Task, Split, Task Progress, Manual Task, Start-only, Finish-only, Duration-only, Critical, Critical Split, Baseline, Baseline Split, Baseline Milestone, Milestone, Summary Progress, Summary, Manual Summary, Project Summary, External Tasks, External Milestone, Inactive Task, Inactive Milestone, Inactive Summary, Deadline, Baseline Summary, Slippage

Bryan Construction Company

MC MUD 89 WWTP

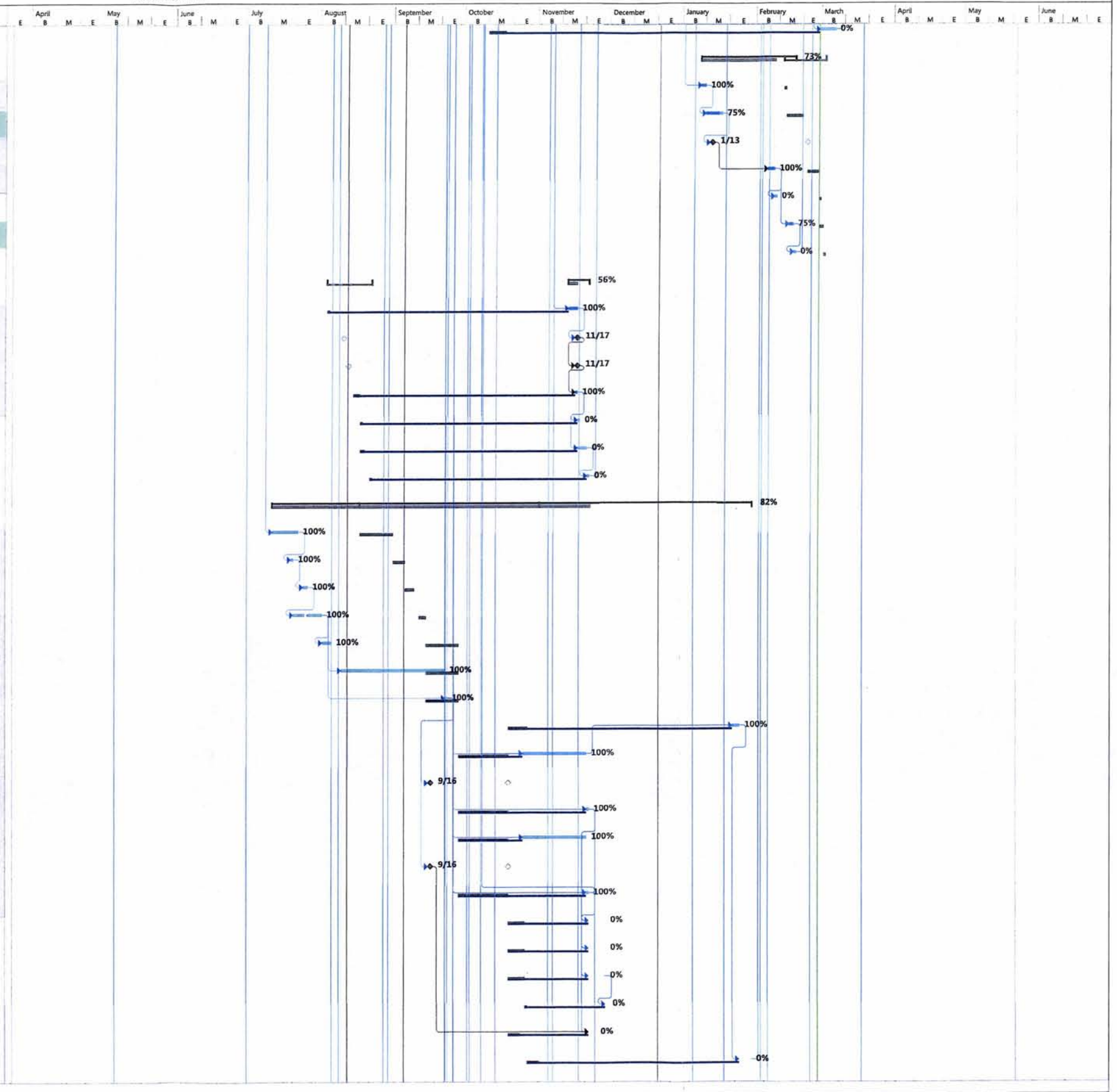
ID	Task Mode	Task Name	Duration	Start	Finish	% Complete	Actual Start	Actual Finish	Actual Duration	Predecessors
39		Install Manual Bar Screen	1 day	Mon 1/23/17	Mon 1/23/17	100%	Mon 1/23/17	Mon 1/23/17	1 day	32
40		Misc Metals	10 days	Thu 1/12/17	Wed 1/25/17	50%	Thu 1/12/17	NA	5 days	32
41		Dumpster Pad	3 days	Thu 2/2/17	Mon 2/6/17	100%	Thu 2/2/17	Mon 2/6/17	3 days	29
42		Painting	4 days	Mon 3/6/17	Thu 3/9/17	0%	NA	NA	0 days	38
43		Main Process Unit	244 days	Thu 4/7/16	Tue 3/14/17	84%	Thu 4/7/16	NA	204.49 da...	
44		Structural Excavation	14 days	Thu 4/7/16	Tue 4/26/16	100%	Thu 4/7/16	Tue 4/26/16	14 days	11
45		Fine Grade Subgrade (Existing Soil)	2 days	Thu 6/30/16	Fri 7/1/16	100%	Thu 6/30/16	Fri 7/1/16	2 days	44
46		Under Slab Piping	7 days	Tue 7/12/16	Wed 7/20/16	100%	Tue 7/12/16	Wed 7/20/16	7 days	45
47		Mud Slab	0.3 days	Tue 7/5/16	Wed 7/20/16	100%	Tue 7/5/16	Wed 7/20/16	0.3 days	46
48		Foundation - Form	11 days	Mon 7/18/16	Mon 8/1/16	100%	Mon 7/18/16	Mon 8/1/16	11 days	47
49		Foundation- Rebar	13 days	Tue 7/26/16	Thu 8/11/16	100%	Tue 7/26/16	Thu 8/11/16	13 days	47
50		Foundation - Concrete	37 days	Fri 8/5/16	Mon 9/26/16	100%	Fri 8/5/16	Mon 9/26/16	37 days	47
51		Outer Wall Form	29 days	Wed 8/31/16	Fri 11/4/16	100%	Wed 8/31/16	Fri 11/4/16	29 days	50
52		Outer Wall Rebar	3 days	Wed 8/31/16	Thu 9/29/16	100%	Wed 8/31/16	Thu 9/29/16	3 days	50
53		Outer Wall Concrete	29 days	Wed 8/31/16	Fri 11/4/16	100%	Wed 8/31/16	Fri 11/4/16	29 days	50
54		Inner Wall - Form	29 days	Wed 8/31/16	Fri 11/4/16	100%	Wed 8/31/16	Fri 11/4/16	29 days	50
55		Inner Wall - Rebar	3 days	Wed 8/31/16	Thu 9/29/16	100%	Wed 8/31/16	Thu 9/29/16	3 days	50
56		Inner Wall - Concrete	29 days	Wed 8/31/16	Fri 11/4/16	100%	Wed 8/31/16	Fri 11/4/16	29 days	50
57		Clarifier Trough - Form	21 days	Wed 12/14/16	Wed 1/11/17	100%	Wed 12/14/16	Wed 1/11/17	21 days	56
58		Clarifier Trough - Rebar	19 days	Fri 12/16/16	Wed 1/11/17	100%	Fri 12/16/16	Wed 1/11/17	19 days	56
59		Clarifier Trough - Concrete	1 day	Wed 1/11/17	Wed 1/11/17	100%	Wed 1/11/17	Wed 1/11/17	1 day	56
60		Weir Wall - Form	10 days	Tue 9/27/16	Mon 10/10/16	100%	Tue 9/27/16	Mon 10/10/16	10 days	50
61		Weir Wall - Rebar	10 days	Tue 9/27/16	Mon 10/10/16	100%	Tue 9/27/16	Mon 10/10/16	10 days	50
62		Weir Wall - Concrete	10 days	Tue 9/27/16	Mon 10/10/16	100%	Tue 9/27/16	Mon 10/10/16	10 days	50
63		Basin Hydrostatic Testing (Aeration Basin, Carifier, Digester 1,2, Anoxic Basin)	22 days	Sat 12/10/16	Tue 1/10/17	100%	Sat 12/10/16	Tue 1/10/17	22 days	62
64		Grout Clarifier Bottom	3 days	Thu 1/12/17	Mon 1/16/17	0%	NA	NA	0 days	59
65		Install Clarifier	15 days	Tue 1/17/17	Mon 2/6/17	45%	Tue 1/17/17	NA	6.75 days	64
66		Clarifier Start Up	2 days	Tue 2/7/17	Wed 2/8/17	0%	NA	NA	0 days	65
67		Install Weirs & Baffles	5 days	Mon 1/23/17	Fri 1/27/17	100%	Mon 1/23/17	Fri 1/27/17	5 days	59
68		Bridge @ Mixer	2 days	Thu 2/2/17	Fri 2/3/17	100%	Thu 2/2/17	Fri 2/3/17	2 days	56
69		Install Mixer	4 days	Thu 2/9/17	Tue 2/14/17	100%	Thu 2/9/17	Tue 2/14/17	4 days	68
70		Mixer Start Up	1 day	Wed 2/15/17	Wed 2/15/17	0%	NA	NA	0 days	69
71		Misc Metals	11 days	Mon 11/7/16	Mon 11/21/16	0%	NA	NA	0 days	56
72		Aeration Header & Int. Piping	15 days	Tue 2/7/17	Mon 2/27/17	0%	NA	NA	0 days	65
73		Aeration Equipment	10 days	Tue 2/28/17	Mon 3/13/17	0%	NA	NA	0 days	72
74		Aeration Equipment Start Up	1 day	Tue 3/14/17	Tue 3/14/17	0%	NA	NA	0 days	73
75		WAS/Scum Air Lift Pump Installation	4 days	Tue 2/28/17	Fri 3/3/17	0%	NA	NA	0 days	72
76		WAS/Scum Air Lift Pump Start Up	1 day	Mon 3/6/17	Mon 3/6/17	0%	NA	NA	0 days	75



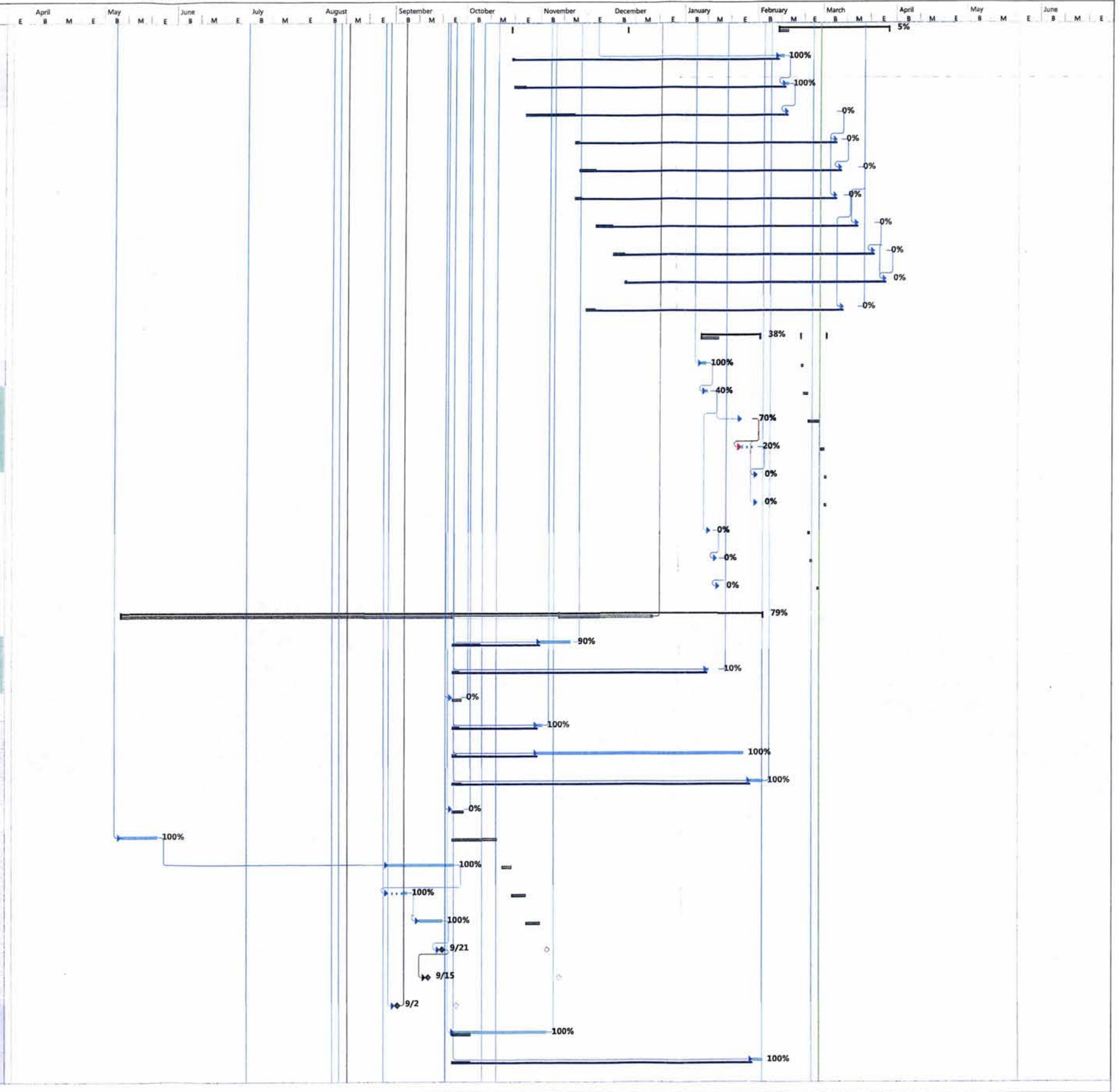
MC MUD 89 WWTP
Replacement -0.38 MGD
Bryan Construction Company

Critical Progress, Split, Manual Task, Finish-only, Critical, Baseline, Baseline Milestone, Summary Progress, Manual Summary, External Tasks, Inactive Task, Inactive Summary, Baseline Summary
Task, Task Progress, Start-only, Duration-only, Critical Split, Baseline Split, Milestone, Summary, Project Summary, External Milestone, Inactive Milestone, Deadline, Slippage

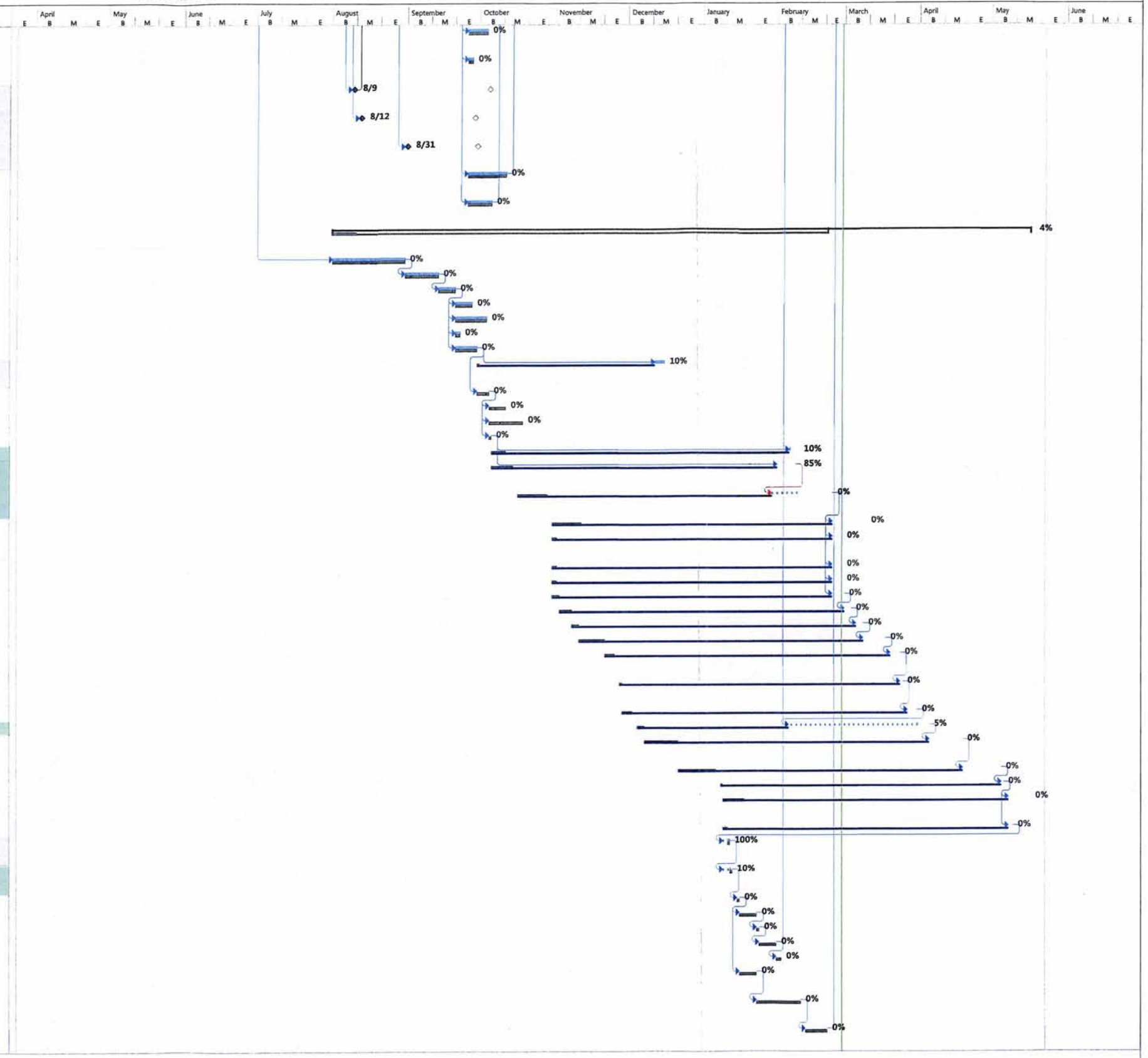
ID	Task Mode	Task Name	Duration	Start	Finish	% Complete	Actual Start	Actual Finish	Actual Duration	Predecessors
77		Paintng	5 days	Tue 2/28/17	Mon 3/6/17	0%	NA	NA	0 days	72
78		**Recycle Pump Station**	**30 days**	**Mon 1/9/17**	**Fri 2/17/17**	**73%**	**Mon 1/9/17**	**NA**	**21.96 days**	
79	✓	Structural Excavation	2 days	Mon 1/9/17	Tue 1/10/17	100%	Mon 1/9/17	Tue 1/10/17	2 days	32
80		**Concrete Foundation**	**5 days**	**Wed 1/11/17**	**Tue 1/17/17**	**75%**	**Wed 1/11/17**	**NA**	**3.75 days**	79
81	✓	Pump Bases	0 days	Wed 1/11/17	Fri 1/13/17	100%	Wed 1/11/17	Fri 1/13/17	0 days	80
82	✓	Install Pumps	3 days	Mon 2/6/17	Wed 2/8/17	100%	Mon 2/6/17	Wed 2/8/17	3 days	81
83		Pump Start Up	1 day	Thu 2/9/17	Thu 2/9/17	0%	NA	NA	0 days	82
84		**Install Exposed Piping & Valves**	**2 days**	**Wed 2/15/17**	**Thu 2/16/17**	**75%**	**Wed 2/15/17**	**NA**	**1.5 days**	82
85		Painting	1 day	Fri 2/17/17	Fri 2/17/17	0%	NA	NA	0 days	84
86		**Blowers**	**7 days**	**Mon 11/14/16**	**Tue 11/22/16**	**56%**	**Mon 11/14/16**	**NA**	**3.89 days**	
87	✓	Structural Excavation	4 days	Mon 11/14/16	Thu 11/17/16	100%	Mon 11/14/16	Thu 11/17/16	4 days	56
88	✓	Concrete SOG	0 days	Mon 11/14/16	Thu 11/17/16	100%	Mon 11/14/16	Thu 11/17/16	0 days	87
89	✓	Blower Bases	0 days	Mon 11/14/16	Thu 11/17/16	100%	Mon 11/14/16	Thu 11/17/16	0 days	88
90	✓	Install Blowers	1 day	Thu 11/17/16	Thu 11/17/16	100%	Thu 11/17/16	Thu 11/17/16	1 day	89
91		Blower Start Up	1 day	Fri 11/18/16	Fri 11/18/16	0%	NA	NA	0 days	90
92		Install Exposed Air Header	2 days	Fri 11/18/16	Mon 11/21/16	0%	NA	NA	0 days	90
93		Painting	1 day	Tue 11/22/16	Tue 11/22/16	0%	NA	NA	0 days	92
94		**Chlorine Contact Basin**	**145 days**	**Tue 7/12/16**	**Mon 1/30/17**	**82%**	**Tue 7/12/16**	**NA**	**118.57 da...**	
95	✓	Structural Excavation	9 days	Tue 7/12/16	Fri 7/22/16	100%	Tue 7/12/16	Fri 7/22/16	9 days	51
96	✓	Fine Grade Subgrade (Existing Soil)	1 day	Wed 7/20/16	Wed 7/20/16	100%	Wed 7/20/16	Wed 7/20/16	1 day	95
97	✓	Under Slab Piping	2 days	Mon 7/25/16	Tue 7/26/16	100%	Mon 7/25/16	Tue 7/26/16	2 days	96
98	✓	Mud Slab	6.7 days	Thu 7/21/16	Mon 8/1/16	100%	Thu 7/21/16	Mon 8/1/16	6.7 days	97
99	✓	Foundation - Form	4 days	Tue 8/2/16	Fri 8/5/16	100%	Tue 8/2/16	Fri 8/5/16	4 days	98
100	✓	Foundation- Rebar	32 days	Wed 8/10/16	Thu 9/22/16	100%	Wed 8/10/16	Thu 9/22/16	32 days	98
101	✓	Foundation - Concrete	1 day	Fri 9/23/16	Fri 9/23/16	100%	Fri 9/23/16	Fri 9/23/16	1 day	98
102	✓	Exposed Piping	3 days	Mon 1/23/17	Wed 1/25/17	100%	Mon 1/23/17	Wed 1/25/17	3 days	103
103	✓	Outer Wall Form	19 days	Wed 10/26/16	Mon 11/21/16	100%	Wed 10/26/16	Mon 11/21/16	19 days	101
104	✓	Outer Wall Rebar	0 days	Mon 8/29/16	Fri 9/16/16	100%	Mon 8/29/16	Fri 9/16/16	0 days	101
105	✓	Outer Wall Concrete	1 day	Tue 11/22/16	Tue 11/22/16	100%	Tue 11/22/16	Tue 11/22/16	1 day	101
106	✓	Inner Wall - Form	19 days	Wed 10/26/16	Mon 11/21/16	100%	Wed 10/26/16	Mon 11/21/16	19 days	101
107	✓	Inner Wall - Rebar	0 days	Mon 8/29/16	Fri 9/16/16	100%	Mon 8/29/16	Fri 9/16/16	0 days	101
108	✓	Inner Wall - Concrete	1 day	Tue 11/22/16	Tue 11/22/16	100%	Tue 11/22/16	Tue 11/22/16	1 day	101
109		Basin Hydrostatic Testing	5 days	Wed 11/23/16	Tue 11/29/16	0%	NA	NA	0 days	108,105
110		Aeration Header & Int. Piping	5 days	Wed 11/23/16	Tue 11/29/16	0%	NA	NA	0 days	108,105
111		Install Aeration Equipment	5 days	Wed 11/23/16	Tue 11/29/16	0%	NA	NA	0 days	108,105
112		Aeration Equipment Start Up	1 day	Wed 11/30/16	Wed 11/30/16	0%	NA	NA	0 days	111
113		Misc Metals	3 days	Wed 11/23/16	Fri 11/25/16	0%	NA	NA	0 days	105,107
114		Painting	3 days	Thu 1/26/17	Mon 1/30/17	0%	NA	NA	0 days	102



ID	Task Mode	Task Name	Duration	Start	Finish	% Complete	Actual Start	Actual Finish	Actual Duration	Predecessors
115		**Chemical Feed Building**	**33 days**	**Fri 2/10/17**	**Tue 3/28/17**	**5%**	**Fri 2/10/17**	**NA**	**1.65 days**	
116	✓	**Structural Excavation**	**1 day**	**Fri 2/10/17**	**Sat 2/11/17**	**100%**	**Fri 2/10/17**	**Sat 2/11/17**	**1 day**	**105**
117	✓	**Concrete Foundation**	**1 day**	**Mon 2/13/17**	**Mon 2/13/17**	**100%**	**Mon 2/13/17**	**Mon 2/13/17**	**1 day**	**116**
118		Masonry	15 days	Tue 2/14/17	Mon 3/6/17	0%	NA	NA	0 days	117
119		Concrete Roof Panels	2 days	Tue 3/7/17	Wed 3/8/17	0%	NA	NA	0 days	118
120		Built-Up Roof & Flashing	5 days	Thu 3/9/17	Wed 3/15/17	0%	NA	NA	0 days	119
121		Doors & Louvers	3 days	Tue 3/7/17	Thu 3/9/17	0%	NA	NA	0 days	118
122		Install Chemical Feed Equipment	5 days	Thu 3/16/17	Wed 3/22/17	0%	NA	NA	0 days	120
123		Interior Chemical Feed Piping	3 days	Thu 3/23/17	Mon 3/27/17	0%	NA	NA	0 days	122
124		Chemical Feed Equipment Start Up	1 day	Tue 3/28/17	Tue 3/28/17	0%	NA	NA	0 days	122,123
125		Painting	4 days	Fri 3/10/17	Wed 3/15/17	0%	NA	NA	0 days	121
126		**NPW Pump Station & Sampler**	**18.6 days**	**Mon 1/9/17**	**Thu 2/2/17**	**38%**	**Mon 1/9/17**	**NA**	**7.04 days**	
127	✓	**Structural SOG**	**2 days**	**Mon 1/9/17**	**Tue 1/10/17**	**100%**	**Mon 1/9/17**	**Tue 1/10/17**	**2 days**	**38**
128		**Concrete Foundation**	**2 days**	**Wed 1/11/17**	**Thu 1/12/17**	**40%**	**Wed 1/11/17**	**NA**	**0.8 days**	**127**
129		**NPW Pump, Tank, & Strainer**	**3 days**	**Thu 1/26/17**	**Mon 1/30/17**	**70%**	**Thu 1/26/17**	**NA**	**2.1 days**	**128**
130		**Exposed Piping**	**2 days**	**Thu 1/26/17**	**Wed 2/1/17**	**20%**	**Thu 1/26/17**	**NA**	**0.4 days**	**129**
131		NPW System Start Up	1 day	Wed 2/1/17	Thu 2/2/17	0%	NA	NA	0 days	129,130
132		Painting	1 day	Wed 2/1/17	Thu 2/2/17	0%	NA	NA	0 days	130
133		Sampler Foundation	1 day	Fri 1/13/17	Fri 1/13/17	0%	NA	NA	0 days	128
134		Install Sampler	1 day	Mon 1/16/17	Mon 1/16/17	0%	NA	NA	0 days	133
135		Sampler Start Up	1 day	Tue 1/17/17	Tue 1/17/17	0%	NA	NA	0 days	134
136		**Yard Piping**	**195 days**	**Mon 5/9/16**	**Fri 2/3/17**	**79%**	**Mon 5/9/16**	**NA**	**154.14 da...**	
137		**10" Force Main from LS to HW**	**10 days**	**Wed 11/2/16**	**Tue 11/15/16**	**90%**	**Wed 11/2/16**	**NA**	**9 days**	**4**
138		**10" Influent Line fro HW to MPU**	**3 days**	**Thu 1/12/17**	**Mon 1/16/17**	**10%**	**Thu 1/12/17**	**NA**	**0.3 days**	**4**
139		6" Sludge Drawoff Line @ MPU	4 days	Mon 9/26/16	Thu 9/29/16	0%	NA	NA	0 days	4
140	✓	**6" Drain @ Sludge Draw Off Line**	**2 days**	**Tue 11/1/16**	**Wed 11/2/16**	**100%**	**Tue 11/1/16**	**Wed 11/2/16**	**2 days**	**4**
141	✓	**6" Drain @ SD Station to 8" DL**	**63 days**	**Tue 11/1/16**	**Thu 1/26/17**	**100%**	**Tue 11/1/16**	**Thu 1/26/17**	**63 days**	**4**
142	✓	**6" Internal Recycle Line @ MPU**	**5 days**	**Mon 1/30/17**	**Fri 2/3/17**	**100%**	**Mon 1/30/17**	**Fri 2/3/17**	**5 days**	**4**
143		4" & 6" RAS from MPU RAS PS	5 days	Mon 9/26/16	Fri 9/30/16	0%	NA	NA	0 days	4
144	✓	**Manholes**	**11.25 days**	**Mon 5/9/16**	**Tue 5/24/16**	**100%**	**Mon 5/9/16**	**Tue 5/24/16**	**11.25 days**	**4**
145	✓	**8" DL from Cleanout to STA 1+29.56**	**20 days**	**Tue 8/30/16**	**Mon 9/26/16**	**100%**	**Tue 8/30/16**	**Mon 9/26/16**	**20 days**	**144**
146	✓	**8" DL from STA 1+29.56 to 1+04.97A**	**2 days**	**Tue 8/30/16**	**Tue 9/6/16**	**100%**	**Tue 8/30/16**	**Tue 9/6/16**	**2 days**	**145**
147	✓	**8" DL STA 1+04.97Ato 0+67.74B**	**8 days**	**Mon 9/12/16**	**Wed 9/21/16**	**100%**	**Mon 9/12/16**	**Wed 9/21/16**	**8 days**	**146**
148	✓	**8" DL STA 0+67.74B to 0+45.61A**	**0 days**	**Mon 9/12/16**	**Wed 9/21/16**	**100%**	**Mon 9/12/16**	**Wed 9/21/16**	**0 days**	**147**
149	✓	**8" DL STA 0+45.61A to SS MH**	**0 days**	**Mon 9/5/16**	**Thu 9/15/16**	**100%**	**Mon 9/5/16**	**Thu 9/15/16**	**0 days**	**148**
150	✓	**6" Drain @ CC Basin to MH**	**0 days**	**Mon 8/29/16**	**Fri 9/2/16**	**100%**	**Mon 8/29/16**	**Fri 9/2/16**	**0 days**	**4**
151	✓	**12" Clarified EFF @ MPU to CC Basin**	**29 days**	**Tue 9/27/16**	**Fri 11/4/16**	**100%**	**Tue 9/27/16**	**Fri 11/4/16**	**29 days**	**4**
152	✓	**10" Air Piping from Blowers to MPU**	**4 days**	**Tue 1/31/17**	**Fri 2/3/17**	**100%**	**Tue 1/31/17**	**Fri 2/3/17**	**4 days**	**4**



ID	Task Mode	Task Name	Duration	Start	Finish	% Complete	Actual Start	Actual Finish	Actual Duration	Predecessors
153		10" Air Piping from Blowers to CC Basin	6 days	Mon 9/26/16	Mon 10/3/16	0%	NA	NA	0 days	4
154		6" DL @ CC Basin to MH	2 days	Mon 9/26/16	Tue 9/27/16	0%	NA	NA	0 days	4
155	✓	**12" EFF from CC Basin to MH**	**0 days**	**Mon 8/8/16**	**Tue 8/9/16**	**100%**	**Mon 8/8/16**	**Tue 8/9/16**	**0 days**	**4**
156	✓	**12" Outfall Line to MH**	**0 days**	**Wed 8/10/16**	**Fri 8/12/16**	**100%**	**Wed 8/10/16**	**Fri 8/12/16**	**0 days**	**4**
157	✓	**12" Outfall Line to Discharge MH**	**0 days**	**Mon 8/15/16**	**Wed 8/31/16**	**100%**	**Mon 8/15/16**	**Wed 8/31/16**	**0 days**	**4**
158		1" & 3" NPW Lines @ Plant Site	12 days	Mon 9/26/16	Tue 10/11/16	0%	NA	NA	0 days	4
159		Chemical Feed Piping @ Site	8 days	Mon 9/26/16	Wed 10/5/16	0%	NA	NA	0 days	4
160		**Electrical & Instrumentation**	**207 days?**	**Mon 8/1/16**	**Tue 5/16/17**	**4%**	**Mon 8/1/16**	**NA**	**7.46 days**	
161		Duct Bank PB2 to PB1	22 days	Mon 8/1/16	Tue 8/30/16	0%	NA	NA	0 days	4SS+20 days
162		Duct Bank MCC to PB3	10 days	Wed 8/31/16	Tue 9/13/16	0%	NA	NA	0 days	161
163		Duct Bank Utility Connection to MCC	5 days	Wed 9/14/16	Tue 9/20/16	0%	NA	NA	0 days	162
164		Duct Bank MCC to PB4	5 days	Wed 9/21/16	Tue 9/27/16	0%	NA	NA	0 days	163
165		Duct Bank PB3 to PB2	9 days	Wed 9/21/16	Mon 10/3/16	0%	NA	NA	0 days	163
166		Duct Bank to MPU	2 days	Wed 9/21/16	Thu 9/22/16	0%	NA	NA	0 days	163
167		Above Ground Conduit/Wire/Boxes @ Blowers	7 days	Wed 9/21/16	Thu 9/29/16	0%	NA	NA	0 days	163
168		**Blower Misc. Electrical Equipment Incl. Installation**	**4 days**	**Mon 12/12/16**	**Thu 12/15/16**	**10%**	**Mon 12/12/16**	**NA**	**0.4 days**	**167**
169		Duct Bank to Blowers	3 days	Fri 9/30/16	Tue 10/4/16	0%	NA	NA	0 days	167
170		Service Rack & Equipment Incl. Installation	5 days	Wed 10/5/16	Tue 10/11/16	0%	NA	NA	0 days	169
171		Above Ground Conduit/Wire/Boxes @ MPU	10 days	Wed 10/5/16	Tue 10/18/16	0%	NA	NA	0 days	169
172		Existing LS Control Panel Incl. Installation	1 day	Wed 10/5/16	Wed 10/5/16	0%	NA	NA	0 days	169
173		**Duct Bank PB4 to Disinfection Building**	**4 days**	**Mon 2/6/17**	**Thu 2/9/17**	**10%**	**Mon 2/6/17**	**NA**	**0.4 days**	**172**
174		**Existing LS Misc. Electrical Equipment Incl. Installation**	**7 days**	**Wed 2/1/17**	**Thu 2/9/17**	**85%**	**Wed 2/1/17**	**NA**	**5.95 days**	**172**
175		**MCC Foundation**	**10 days**	**Mon 1/30/17**	**Thu 2/23/17**	**0%**	**Mon 1/30/17**	**NA**	**0 days**	**174**
176		Motor Control Center Incl. Installation	10 days	Fri 2/24/17	Thu 3/9/17	0%	NA	NA	0 days	175
177		Above Ground Conduit/Wire/Boxes @ Chlorine Contact	2 days	Fri 2/24/17	Mon 2/27/17	0%	NA	NA	0 days	175
178		MPU Electrical Panels Incl. Installation	2 days	Fri 2/24/17	Mon 2/27/17	0%	NA	NA	0 days	175
179		MPU Misc. Electrical Incl. Installation	2 days	Fri 2/24/17	Mon 2/27/17	0%	NA	NA	0 days	175
180		Duct Bank PB1 to Existing LS	3 days	Fri 2/24/17	Tue 2/28/17	0%	NA	NA	0 days	175
181		Grounding	3 days	Wed 3/1/17	Fri 3/3/17	0%	NA	NA	0 days	180
182		Duct Bank to Future Filter Basin	3 days	Mon 3/6/17	Wed 3/8/17	0%	NA	NA	0 days	181
183		Duct Bank PB3 to Sludge Draw Off	7 days	Thu 3/9/17	Fri 3/17/17	0%	NA	NA	0 days	182
184		Chlorine Feed Electrical Conduit & Wire Incl. Installation	4 days	Mon 3/20/17	Thu 3/23/17	0%	NA	NA	0 days	183
185		Chlorine Feed Lights & Recepticals Incl. Installation	1 day	Fri 3/24/17	Fri 3/24/17	0%	NA	NA	0 days	184
186		Duct Bank to Headworks	4 days	Mon 3/27/17	Thu 3/30/17	0%	NA	NA	0 days	185
187		**Duct Bank MCC to Generator**	**3 days**	**Mon 2/6/17**	**Tue 4/4/17**	**5%**	**Mon 2/6/17**	**NA**	**0.15 days**	**186**
188		Above Ground Conduit/Wire/Boxes @ Headworks	10 days	Wed 4/5/17	Tue 4/18/17	0%	NA	NA	0 days	187
189		Site Lighting Incl. Installation	12 days	Wed 4/19/17	Thu 5/4/17	0%	NA	NA	0 days	188
190		Above Ground Conduit/Wire/Boxes @ RAS PS	1 day?	Fri 5/5/17	Fri 5/5/17	0%	NA	NA	0 days	189
191		Headworks Electrical Equipment Incl. Installation	7 days	Mon 5/8/17	Tue 5/16/17	0%	NA	NA	0 days	190
192		Above Ground Conduit/Wire/Boxes @ NPW	2 days	Mon 5/8/17	Tue 5/9/17	0%	NA	NA	0 days	190
193	✓	**Recycle Pump Station Misc. Electrical Incl. Installation**	**1 day**	**Tue 1/10/17**	**Thu 1/12/17**	**100%**	**Tue 1/10/17**	**Thu 1/12/17**	**1 day**	**192**
194		**Recycle Pumps Station Control Panel Incl. Installation**	**1 day**	**Tue 1/10/17**	**Fri 1/13/17**	**10%**	**Tue 1/10/17**	**NA**	**0.1 days**	**193**
195		NPW Misc. Electrical Equipment Incl. Installation	1 day	Mon 1/16/17	Mon 1/16/17	0%	NA	NA	0 days	194
196		StartUp / Training	5 days	Tue 1/17/17	Mon 1/23/17	0%	NA	NA	0 days	195
197		Field Instrumentation Calibration & Start-Up	1 day	Tue 1/24/17	Tue 1/24/17	0%	NA	NA	0 days	196
198		Field Instrumentation Incl. Installation	5 days	Wed 1/25/17	Tue 1/31/17	0%	NA	NA	0 days	197
199		Electrical Demolition	2 days	Wed 2/1/17	Thu 2/2/17	0%	NA	NA	0 days	198
200		Generator Foundation	5 days	Tue 1/17/17	Mon 1/23/17	0%	NA	NA	0 days	195
201		Relocate Generator	14 days	Tue 1/24/17	Fri 2/10/17	0%	NA	NA	0 days	200
202		Gas Line @ Generator	7 days	Mon 2/13/17	Tue 2/21/17	0%	NA	NA	0 days	201



CAPITAL IMPROVEMENT AND EQUIPMENT MAINTENANCE PLAN
FOR WATER PLANT, WASTEWATER FACILITIES, WATER AND WASTEWATER UTILITIES
MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 89
Fiscal Year Ends August 31st

FACILITY		CAPACITY	TYPE	YEAR Constructed	Inspected	Reworked	Coated (Int./Ext.)	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Legends Ranch Water Plant No. 1 (MUD 89 = 44%)	ALL							Mech. Inspection; $1,500 (JC Report)	Mech. Inspection; $750 (TCEQ checklist)	Mech. Inspection; $750 (TCEQ checklist)	Mech./Elec. Inspection; $2,400 (JC Report)	Mech. Inspection; $750 (TCEQ checklist)
	GST No. 1 (W)	212,000 gal	Bolted/Galv	2003	2014		2015			Inspect Int.		
	GST No. 2 (E)	212,000 gal	Bolted/Galv	2003	2014		2015				Inspect Int.	
	Hydro (W)	15,000 gal	ASME	2003	2014		2015				Inspect Int.	
	Hydro (E)	15,000 gal	ASME	2003	2014		2015			Inspect Int.		
	New Hydro	15,000 gal	Holloway	2015	-						Inspect Int.	
	Well No. 1 (depth=560')	1,050 gpm	(Evangeline)	2003	2014	-		Rework (44%) $156,200				
	Control Building	20'X10' CMU			2014		2015					
	Booster Pumps (3 @ 960 gpm 1 Jock @ 480 gpm)	3,360 gpm		2003	2014		2015	Testing (All) at Bi-annual Well Performance Test		Testing (All) at Bi-annual Well Performance Test		Testing (All) at Bi-annual Well Performance Test
	MCC			2003	2014						Rehab	
	Diesel Generator	715 kW		2003	2014			Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test
	Misc											
Legends Ranch Water Plant No. 2 (MUD 89 = 59.8%)	ALL							Mech. Inspection; $1,500 (JC Report)	Mech. Inspection; $750 (TCEQ checklist)	Mech. Inspection; $750 (TCEQ checklist)	Mech./Elec. Inspection; $2,400 (JC Report)	Mech. Inspection; $750 (TCEQ checklist)
	GST No. 1 (W) (59.8%)	333,600 gal	Bolted/Galv	2006	2014					Inspect Int.		
	GST No. 2 € (0%)	100,400 gal	Bolted/Galv	2013	2014						Inspect Int.	
	Hydro (W) (59.8%)	15,000 gal	ASME	2006	2014			Recoat Int./Ext.		Inspect Int.		
	Hydro (M) (59.8%)	15,000 gal	ASME	2006	2014			Recoat Int./Ext.			Inspect Int.	
	Hydro € (0%)	15,000 gal	ASME	2013	2014							
	Well No. 2 (depth=680')	1,000 gpm	(Evangeline)	2006	2014	-		Blast/Recoat				
	Control Building	20'X10' CMU		2006	2014					Rework $400,000		
	Well No. 3 (depth=1,760')	1,200 gpm	(Jasper)	2013	2014	-				Testing (All) at Bi-annual Well Performance Test		Testing (All) at Bi-annual Well Performance Test
	Booster Pumps (2 @ 825 gpm 2 @ 1,500 gpm 1 Jock @ 500 gpm)	5,150 gpm		2006 & 2013	2014			Testing (All) at Bi-annual Well Performance Test				
	MCC			2006	2014						Rehab	
	Diesel Generator	900 kW		2006	2014			Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test
	Misc											
Water Distribution System	Hydrants			2003-2006	2014		2014		Paint Hydrants			Paint Hydrants
	Valves			2003-2006								Valve Survey
	Interconnect Meters			2003-2006				Calibrate Meters		Calibrate Meters		Calibrate Meters
							Water Facilities Subtotal	$159,200	$1,500	$401,500	$4,800	$1,500

FACILITY		CAPACITY	YEAR Constructed	Expanded	Inspected	Rehabbed	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Future WWTP	WWTP Replacement - 0.38 MGD	.380 MGD	2017				Construction/ Inspection $3,613,050				
WWTP (Package Plant)	ALL (Except On-Site Lift Station)	0.60 MGD			2013						Mech./Elec. Insp $7,500
	Lift Station 1 (On WWTP site)				2013						
	Structure	2.20 MGD	2003		2013						
	Piping		2003		2013						
	Controls		2003		2013						
	Lift Pump 1 - 20 hp		2003		2013	2010					
	Lift Pump 2 - 20 hp		2003		2013	2012					
	Lift Pump 3 - 20 hp		2003		2013	2010					
	Misc				2013						
	Rotostrainer Fine Screen		2010		2013						
	Aeration Basin 1	7,200 CF	2003		2013	2007					
	Aeration Basin 2	7,200 CF	2007		2013						
	Aeration Basin 3 (converted from digestor basir	7,200 CF	2010		2013						
	Aeration Basin 4 (converted from digestor basir	7,200 CF	2010		2013						
	Clarifier 1	1,017 SF, 36' DIA.	2003		2013						
	Clarifier 2	1,017 SF, 36' DIA.	2010		2013						
	Chlorine Contact Chamber 1	2,400 CF	2003		2013						
	Chlorine Contact Chamber 2	2,400 CF	2010		2013						
	NPWS		2010		2013						
	RAS Pump 1		2010		2013	2012					
	RAS Pump 2		2010		2013	2012					
	Blower 1	1,200 scfm	2003		2013						
	Blower 2	1,300 scfm	2007		2013						
	Blower 3	1,300 scfm	2007		2013						
	Blower 4	1,300 scfm	2010		2013						
	Digester Basin 1	7,200 CF	2003		2013	2010					
	Digester Basin 2	7,200 CF	2007		2013	2010					
	Digester Basin 3	7,200 CF	2010		2013						
	Natural Gas Generator	450 kW	2010		2013		Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test
	MCC		2003	2010	2013					Rehab	
	Permit	0.5 MGD	Next Renewal: July 2018					Permit Renewal $10,000		Renew	
	Misc										

CAPITAL IMPROVEMENT AND EQUIPMENT MAINTENANCE PLAN
FOR WATER PLANT, WASTEWATER FACILITIES, WATER AND WASTEWATER UTILITIES
MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 89
Fiscal Year Ends August 31st

FACILITY		CAPACITY	TYPE	YEAR Constructed	Inspected	Reworked	Coated (Int./Ext.)	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Canyon Lakes Section 1 Lift Station (LS No. 2)	ALL								Mech./Elec. Insp $1,500			Mech./Elec. Insp $1,500
	Structure			2004					Rehab			
	Piping			2004					Recoat			
	Controls			2004								
	Lift Pump 1 - 5 hp		0.382 MGD	2004			2012					
	Lift Pump 2 - 5 hp			2004			2012					
	Natural Gas Generator			2012			2012	Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test
Canyon Lakes Section 4 Lift Station (LS No. 3)	ALL								Mech./Elec. Insp $1,500			Mech./Elec. Insp $1,500
	Structure			2005					Rehab			
	Piping			2005					Recoat			
	Controls			2005								
	Lift Pump 1 - 5 hp		0.374 MGD	2005								
	Lift Pump 2 - 5 hp			2005								
	Natural Gas Generator			2012				Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test	Load Bank Test
Sanitary Sewer Lines												
	Sewer Lines			2003-2006								
	Manholes			2003-2006								
							Wastewater Facilities Subtotal	$3,613,050	$13,000	$0	$0	$10,500
								2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
							Total Estimated for Wastewater + Water Facilities	$3,772,250	$14,500	$401,500	$4,800	$12,000

Note: Maintenance intervals were selected with the best preventative maintenance schedule in mind. Scheduled maintenance will be adjusted from time to time based on the conclusion of the annual inspections at the water plant, biennial inspections at the wastewater plant and lift stations, and feedback from the operator.

Assumptions

1) Mechanical inspections will be performed at the Water Plant annually with an electrical inspection every 5 years.
2) Ground storage tanks and hydro-tanks will be recoated on the the interior and exterior every 7 years.
3) Wells will be re-worked every 7 years. Re-works will ultimately be scheduled based on results from the bi-annual well performance tests.
4) All booster pumps will be tested for vibration and capacity every 2 years at the time of one of the bi-annual well performance tests.
5) Load bank tests will be performed annually on the generators at the Water Plant and Wastewater Treatment plant to simulate full-load.
6) Mechanical inpections will be performed at the Wastewater Treatment Plant every 2 years with an electrical inspection approximately every 5 years.
7) All lift stations will be inspected for both mechanical and electrical defects every 5 years.
8) The fine screen will be rehabbed every 3 years. This will be adjusted based on inspections.
9) The aeration and digestor basins will be drained and cleaned of grit every 10 years.
10) The clarifier will be rehabbed and recoated every 20 years.
11) The blowers will be replaced every 20 years.
12) Motor Control Centers will be rehabbed 20 years.
13) Control and storage buildings will be blasted and recoated every 10 years.
14) Lift Stations will be rehabbed and recoated every 8-10 years.
15) Lift pumps will be replaced every 8-10 years.
16) Cleaning and televising of sanitary sewer lines will be every 25 years. Followed by sanitary sewer rehab.

WATER UTILITY OPERATIONS

MOC

MUNICIPAL OPERATIONS & CONSULTING, INC.

MONTHLY OPERATIONS REPORT FOR MONTGOMERY COUNTY MUD NO. 89

February, 2017

Billing Date 1/16/17 - 2/15/17

REVENUE	Deposit	Water	Sewer	Misc.	Penalty	Grease	SJRA	LSGWCD	Total
	$2,620.00	$24,137.91	$47,141.05	$2,128.14	$1,455.86	$450.00	$28,184.18	$767.01	$106,884.15

	Res. Occupied	Commercial	STP/LS	Irrigation	Rec/C/P	TOTAL
Connections	1,559	9	2	25	1	1,633
Billed Consum.	7,926,000	191,000	0	756,000	9,000	8,885,000

WATER	**February, 2017**
Gallons pumped from Well #1:	1,642,000
Gallons pumped from Well #2:	15,069,000
Gallons pumped from Well #3:	5,543,000
Total Gallons Pumped:	**22,254,000**
Gallons sold to MC 88	5,171,000
Gallons sold to SC	6,525,000
Total amount billed to MC 89 customers	8,885,000
Loss to Leaks and Flushing	10,000
Total gallons accounted for	**20,591,000**
Pumped versus billed percentage	92%
Total accountability including estimated leaks & flushing	93%
No. leaks repaired in District	0

LONE STAR GROUND WATER PERMIT

Permit No.:	OP03-0043B	
Permit Term:	01/01/16 THRU 12/31/16	
Permitted Withdrawal:	422,240,000	
February Withdrawal	15,326,000	
Y-T-D Withdrawal:	31,858,000	8%
Amount Remaining:	390,382,000	92%

Well #1	860	Calculated Well GPM
	1,200	Design Well GPM
Well #2	1,000	Calculated Well GPM
	1,200	Design Well GPM

	# Taken	Results
Bacteriological samples:	6	Good

Water Taps **February, 2017 -** **Y-T-D -**

WASTEWATER TREATMENT PLANT AND LIFT STATIONS

Permit # TX0117706

Permit expiration date: July 1, 2018

	Excursion	February-17
Average daily flow	NO	0.165
Average CBOD	NO	2.000
Average Total Suspended Solids	NO	2.850
Average Ammonia Nitrogen	NO	0.100
Average PH	NO	7.860
Maximum Chlorine Residual	NO	3.530
Minimum Chlorine Residual	NO	1.300
Average Dissolved Oxygen	NO	8.190
Average E. coli	NO	1.000

		Measured by:
Permitted Daily Flow	0.500	mgd
Permitted BOD	10	mg/l
Permitted T.S.S.	15	mg/l
Permitted Ammonia Nitrogen	3	mg/l
Permitted PH	6.00 - 9.00	STD UNIT
Permitted Chlorine Maximum	4.0	mg/l
Permitted Chlorine Minimum	1.0	mg/l
Permitted Dissolved Oxygen	6.0	mg/l
Permitted E. coli	126.0	mpn

Sewer Treatment plant is currently operating at 38% of the permitted capacity

Arrears:

Delinquent Letters Date	1/24/2017
Number of Letters	105
Cut off Date	2/21/2017
Number of Actual Cut offs	11
Deposits on file	$160,555.00

Meter Read Date	2/15/2017
Billing Date	2/22/2017
Mailing Date	2/23/2017
Due Date	3/17/2017
ACH Pmts	293
Credit Card Pmts	332

Aged Receivables 30 Days - $4,065.12; 60 Days - $1,692.42; 90 Days - $539.52; 120 Days - $4,319.34