

BOARD OF SUPERVISORS AGENDA ITEM REPORT AWARDS / CONTRACTS / GRANTS

Award Contract Cant	Requested Board Meeting Date: 05/02/2023
* = Mandatory, information must be provided	or Procurement Director Award:
*Contractor/Vendor Name/Grantor (DBA):	
Hunter Contracting Co.	
*Project Title/Description:	
Construction Manager at Risk Services – Tres Rios He	eadworks Biofilter Odor Control (3THBOC)
*Purpose:	

Amendment of Award: Contract No. CT-WW-21-463, Amendment No. Three (3). This amendment extends the contract termination date to 08/31/24 due to unforeseen circumstances with delays from the electrical supplier and replaces the Guaranteed Maximum Price (GMP) Project Schedule and Cash Flow Forecast with revised documents to reflect the new project schedule, without change to the contract amount. Administering Department: Regional Wastewater Reclamation.

*Procurement Method:

Pursuant to Solicitation for Qualifications No. SFQ-PO-2100012, on 06/22/21, the Board of Supervisors awarded a contract for this project in the amount of \$160,389.38 for a contract term of 06/22/21 to 10/31/22.

Amendment No. One (1) was approved by the Procurement Director on 10/18/21, to increase the contract amount by \$2,835,982.38 for a cumulative not-to-exceed amount of \$2,996,371.76 and incorporate Guaranteed Maximum Price No. One (GMP-1) for the ordering of long-lead equipment for this project.

Amendment No. Two (2) was approved by the Board of Supervisors on 03/15/22, to increase the contract amount by \$5,872,410.47 for a cumulative not-to-exceed amount of \$8,868,782.23, incorporate Guaranteed Maximum Price No. Two (GMP-2) and extend the term of the contract to 08/31/23.

On 06/22/21 the Board of Supervisors authorized the Procurement Director to execute all modifications, including one or more Guaranteed Maximum Price (GMP) packages, provided that the cumulative total of all GMPs and Pre-construction Services does not exceed \$6,160,389.38 and the contract expiration date does not exceed October 31, 2022, which allows for all contract close-out activities and final submittals.

Attachment: Amendment No. Three (3)

*Program Goals/Predicted Outcomes:

This project will install biofliter technology capable of improved treatment of the current odor loading as well as the anticipated loading through the year 2050.

*Public Benefit:

Implementing biofilter technology for odor treatment at the headworks will replace the existing Granulated Active Carbon (GAC) system which is less effective and more costly. A biofilter will reduce the operations & maintenance cost of carbon material and labor while providing better odor treatment and cleaner air for employees and the community now and into the future.

*Metrics Available to Measure Performance:

Performance will be measured using the evaluation process as outlined in BOS Policy D29.1(E).

*Retroactive:

No.

TO: COB 4-17-2023 (1)

VERSION: 18 PAGES: 20

THE APPLICABLE SECTION(S) BELOW MUST BE COMPLETED

Click or tap the boxes to enter text. If not applicable, indicate "N/A". Make sure to complete mandatory (*) fields

Document Type:	Department	Code:		Contract Number (i.e., 15-123):				
Commencement Date:	Termination	Date:		Prior Contract Number (Synergen/CMS):				
Expense Amount \$	*		Reven	ue Amount: \$				
*Funding Source(s) required:								
Funding from General Fund? (Yes (No	If Yes \$		%				
Contract is fully or partially funded If Yes, is the Contract to a vendo			C No					
Were insurance or indemnity claus If Yes, attach Risk's approval.	ses modified?	(Yes	C No					
Vendor is using a Social Security N If Yes, attach the required form per A		Yes 22-10.	C No					
Amendment / Revised Award In	formation							
Document Type: <u>CT</u>	Department C	ode: <u>WW</u>		Contract Number (i.e., 15-123): <u>21-463</u>				
Amendment No.: <u>3</u>			AMS \	Version No.: <u>18</u>				
Commencement Date: 05/02/23			New 1	Termination Date: <u>08/31/24</u>				
			Prior	Contract No. (Synergen/CMS):				
s there revenue included?		Yes \$	_	int This Amendment: \$ 0.00				
Is there revenue included? *Funding Source(s) required: Re	Yes • No If	Yes \$	on Departr	ment Obligations				
Is there revenue included? *Funding Source(s) required: Re Funding from General Fund?	Yes No If	Yes \$ Reclamatic Yes \$	on Departr	ment Obligations %				
Is there revenue included? *Funding Source(s) required: Re Funding from General Fund? Grant/Amendment Information	Yes No If gional Wastewater F Yes No If	Yes \$ Reclamation Yes \$ e and award	on Departr	ment Obligations % C Award C Amendment				
Is there revenue included? *Funding Source(s) required: Re Funding from General Fund? Grant/Amendment Information Document Type:	Yes No If gional Wastewater F Yes No If Yes (for grants acceptance Department Co	Yes \$ Reclamation Yes \$ e and award ode:	on Departr	### Ment Obligations ### ### ### ########################				
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*Funding Source(s) required: Re Funding from General Fund? Grant/Amendment Information Document Type: Commencement Date: *All Funding Source(s) required: *Match Amount: \$ *Match funding from General Fu *Match funding from other source: *Funding Source: *If Federal funds are received, is Contact: James Johnson	Yes No If Yes No Yes Yes No Yes No Yes Yes No Yes No Yes	Yes \$ Reclamation Yes \$ e and award ode: nation Date If Yes !	Revenue A	### ### ##############################				
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PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT

PROJECT: Construction Manager at Risk Services –

Tres Rios Headworks Biofilter Odor Control (3THBOC)

CONTRACTOR: Hunter Contracting Co.

701 N. Cooper Rd. Gilbert, AZ 85233

CONTRACT NO.: CT-WW-21-463

AMENDMENT NO.: Three (3)

FUNDING: Regional Wastewater Reclamation Department Obligations

 CONTRACT TERM: 06/22/2021 - 10/31/2022
 ORIGINAL CONTRACT AMOUNT: \$ 160,389.38

 TERMINATION PRIOR AMENDMENT: 08/31/2024
 PRIOR AMENDMENT(S): \$ 8,708,392.85

 TERMINATION THIS AMENDMENT: 08/31/2024
 AMOUNT THIS AMENDMENT: \$

 REVISED CONTRACT AMOUNT: \$ 8,868,782.23

CONTRACT AMENDMENT

WHEREAS, COUNTY and CONTRACTOR have entered into the Contract referenced above; and

WHEREAS, construction of the project was anticipated to be conducted in multiple phases; and

WHEREAS, COUNTY and CONTRACTOR previously incorporated Guaranteed Maximum Price (GMP) 1 and (GMP) 2 into the contract at a cost acceptable to COUNTY; and

WHEREAS, COUNTY intends to extend the Contract termination date due to unforeseen circumstances with delay's from the electrical supplier; and

WHEREAS, the construction schedule and cash flow forecast are being replaced due to the new contract termination date with no additional increase to the Contract; and

WHEREAS, COUNTY and CONTRACTOR have agreed to these modifications.

NOW, THEREFORE, it is agreed as follows:

CHANGE: ARTICLE 1 - TERM

FROM: This Contract ...terminates on August 31, 2023...

TO: This Contract...terminates on August 31, 2024...

CHANGE: ARTICLE 3 - PRE-CONSTRUCTION SERVICES FEE AND GUARANTEED MAXIMUM PRICE,

Paragraph A. as amended in amendment two, as follows:

FROM: "COUNTY will pay CMAR a Pre-construction Services Fee for Pre-construction Services. The

Construction Services Fee, plus the cost of the Work (direct construction cost) including CMAR contingency, bonds, insurance and taxes (indirect construction costs) will comprise the GMP(s) to be established in compliance with Appendix "B" Supplemental Provisions – Construction Costing (10 pages), Appendix "C" General Conditions (48 pages), Appendix "E" – GMP-1 (148 pages) and Appendix "F"– (GMP-2) (81 pages). Unless otherwise agreed, CMAR's GMP will include all required sales, use, franchise and other taxes in effect on the date of COUNTY approval of the GMP, as well

as applicable bond and insurance costs."

TO:

"COUNTY will pay CMAR a Pre-construction Services Fee for Pre-construction Services. The Construction Services Fee, plus the cost of the Work (direct construction cost) including CMAR contingency, bonds, insurance and taxes (indirect construction costs) will comprise the GMP(s) to be established in compliance with Appendix "B" Supplemental Provisions – Construction Costing (10 pages), Appendix "C" General Conditions (48 pages), Appendix "E" – GMP-1 (148 pages), Appendix "F" – (GMP-2) (81 pages), Appendix "F" Attachment "G" revised 2/20/23 and Appendix "F" Attachment "H" revised 2/20/23. Unless otherwise agreed, CMAR's GMP will include all required sales, use, franchise and other taxes in effect on the date of COUNTY approval of the GMP, as well as applicable bond and insurance costs."

ATTACH: Attachment 1 to Amendment 3 (1 Page).

REPLACE: Appendix "F" Attachment "G" with Appendix "F" Attachment "G" revised 2/20/23 and

Appendix "F" Attachment "H" with Appendix "F" Attachment "H" revised 2/20/23.

(The Remainder of this page is intentionally left blank.)

IN WITNESS THEREOF, the Parties have	affixed their signatures to this Amendment on the dates written below
APPROVED:	CONTRACTOR:
	Chryful
Chair, Board of Supervisors	Signature
	Name and Title (Please Print)
Date	Name and Title (Please Print)
	4/14/2023
ATTEST:	Date
Clerk of the Board	
Date	

This contract template has been approved as to form by the Pima County Attorney's Office.

Attachment 1 to Amendment 3 (1 Page)



701 NORTH COOPER ROAD, GILBERT, AZ 85233 PH: 480-892-0521 FX: 480-892-4932 WWW.HUNTERCONTRACTING.COM

CHANGE ORDER PROPOSAL

TO: Bobby DeAngelo Pima County RWRD Facilities bobby.deangelo@pima.gov

February 20, 2023
CT-WW-21-463
CO No. 01
21418-02

PROJECT: Tres Rios Headworks Biofilter Odor Control (3THBOC)

The impact of this change includes only those items which can be identified at this time. However, should it be determined at a later date that we are experiencing identifiable cost impacts or time delays beyond our control due to this scope change or because of multiple scope changes, delays, or other causes, we reserve the right to submit those costs and time extensions at that time.

Comments: Contract Time Extension due to Force Majeure

DESCRIPTION	UNITS	MEASURE	UNIT COST	AMOUNT
Contract Time Extension due to Electrical Procui		4,		
SMS	1	LS	\$ -	\$
Hunter Contracting Co.	1	LS	\$ -	\$
Contract Time Extension Subtotal:		\$ -		
COR #01 Subtotal:	2, 11.			\$
Bond	1	LS	0.00775	\$
Mark-up - 5%	1	LS	0.05	\$
Tax - 6.565%	1	LS	0.06565	\$ -
COR #01 Total:				\$

Notes: Time Extenion: Per Contract No. CT-WW-21-463 Amendment #2, Contract completion was dated as 8/31/23. Due to unforseen circumstances with selected electrical supplier Eaton's electrical procurement, revised contract completion date to be extended till July 30th of 2024 per the attached CPM scheduled dated February 15th, 2023. This Change Order is for time extension only, no additional overhead due to contract time extension for SMS and Hunter Contracting at this time due to activities onsite for JOC work.

Increase by reason of this Change Order Proposal

Original Contract amount Previous Change Orders

New Total Contract Amount

\$0.00 \$160,389.38

\$8,708,392.85 \$8,868,782.23

The foregoing Change Order Proposal is accepted upon the terms and conditions above stated and those in the original Contract.

HUNTER CONTRACTING CO.	OWNER	
Ryan Hayes, Project Manager		
Print Name/Title	Print Name/Title	
Signature	Signature	-1
2/20/2023		
Date	Date	_

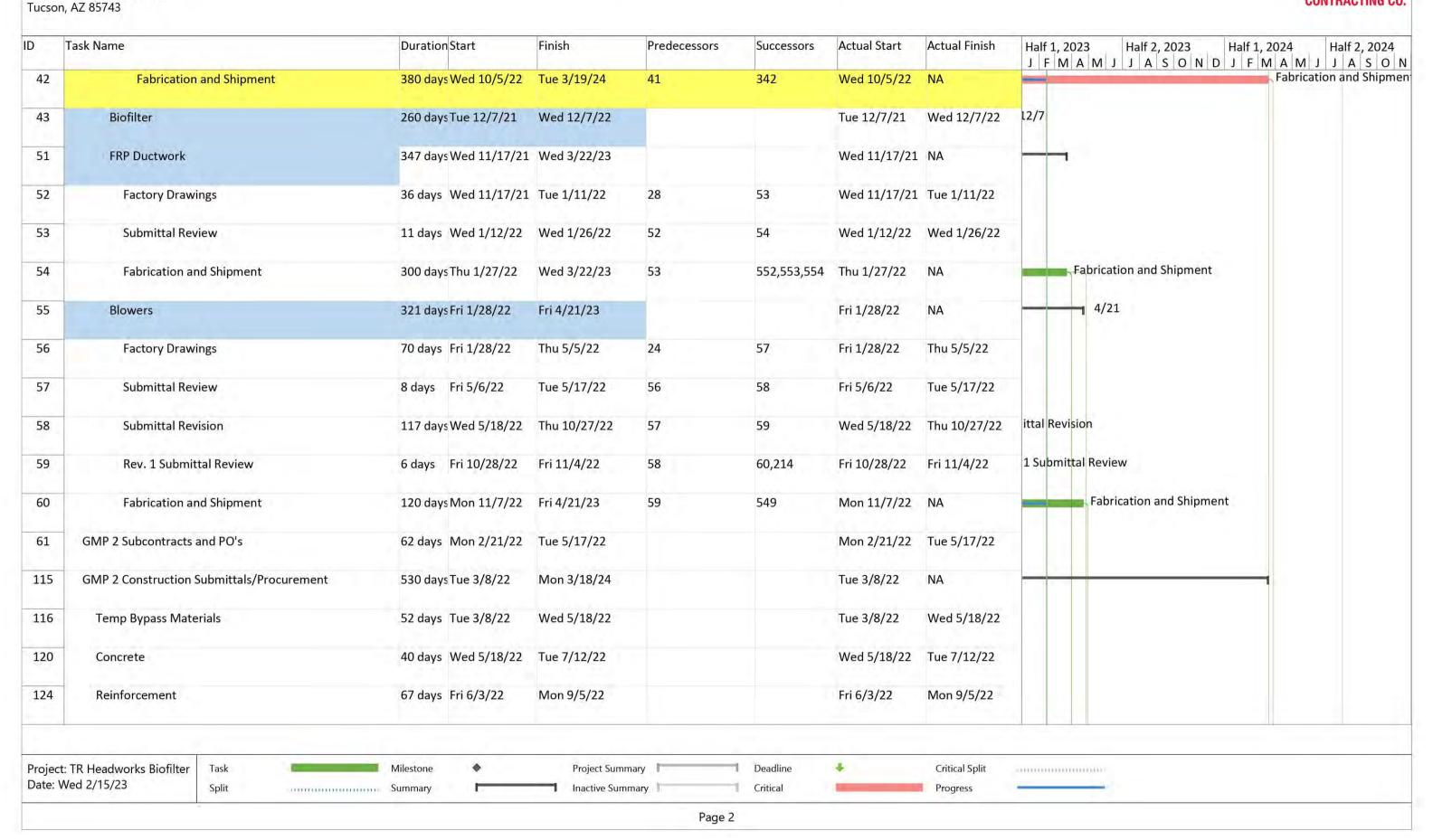
Appendix "F" Attachment "G" revised 2/20/23 (14 Pages)

Pima County Regional Wastewater Reclamation Department 7101 N. Casa Grande Hwy. Tucson, AZ 85743



)	Task Name		Duration Start	Finish	Predecessors	Successors	Actual Start	Actual Finish		Half 2, 2023 I	Half 1, 2024	Half 2, 2024
1	Tres Rios Headworks Biofilter Odor Cor	trol	801 days Mon 6/28/21	Tue 7/30/24			Mon 6/28/21	NA	J I M A M J	3 A 3 O N D	5 1 101 7 101 5	1
2	Pre-Construction		706 days Mon 6/28/21	Tue 3/19/24			Mon 6/28/21	NA			-1	
3	Design and Mobilization		184 days Mon 6/28/21	Fri 3/18/22			Mon 6/28/21	Fri 3/18/22				
.4	GMP-1 Purchase Orders		151 days Mon 10/18/21	Fri 5/20/22			Mon 10/18/21	Fri 5/20/22				
9	GMP 1 Long Lead Procurement		606 days Wed 11/17/21	Tue 3/19/24			Wed 11/17/21	NA	-		3/19	
0	Electrical		606 days Wed 11/17/21	Tue 3/19/24			Wed 11/17/21	NA	-		3/19	
1	PLC Control Panel		315 days Wed 11/17/21	Mon 2/6/23			Wed 11/17/21	NA	-			
2	Factory Drawings		55 days Wed 11/17/21	Mon 2/7/22	17	33	Wed 11/17/21	Mon 2/7/22				
3	Submittal Review		12 days Tue 2/8/22	Wed 2/23/22	32	34	Tue 2/8/22	Wed 2/23/22				
84	R&R Submittal Revision		32 days Thu 2/24/22	Fri 4/8/22	33	35	Thu 2/24/22	Fri 4/8/22				
85	Submittal Revision Review		1 day Mon 4/11/22	Mon 4/11/22	34	36	Mon 4/11/22	Mon 4/11/22	·			
36	Fabrication and Shipment		215 days Tue 4/12/22	Mon 2/6/23	35	342	Tue 4/12/22	NA	Fabrication an	d Shipment		
37	MCC		606 days Wed 11/17/21	Tue 3/19/24			Wed 11/17/21	NA	 			
88	Factory Drawings		93 days Wed 11/17/21	Thu 3/31/22	17	39	Wed 11/17/21	Thu 3/31/22				
39	Submittal Review		28 days Wed 3/2/22	Fri 4/8/22	38	40	Wed 3/2/22	Fri 4/8/22				
10	R&R Submittal Revision		116 days Mon 4/11/22	Mon 9/19/22	39	41	Mon 4/11/22	Mon 9/19/22	nittal Revision			
41	Submittal Revision Review	/Approval	11 days Tue 9/20/22	Tue 10/4/22	40	42	Tue 9/20/22	Tue 10/4/22	al Revision Review	'Approval		
												4
	tt: TR Headworks Biofilter Task Wed 2/15/23 Split		Milestone •	Project Sumn		Deadline Critical	+	Critical Split Progress	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			
			1201070 134	-440001340	Page 1	4.44.4		- CT2 4 (1)				

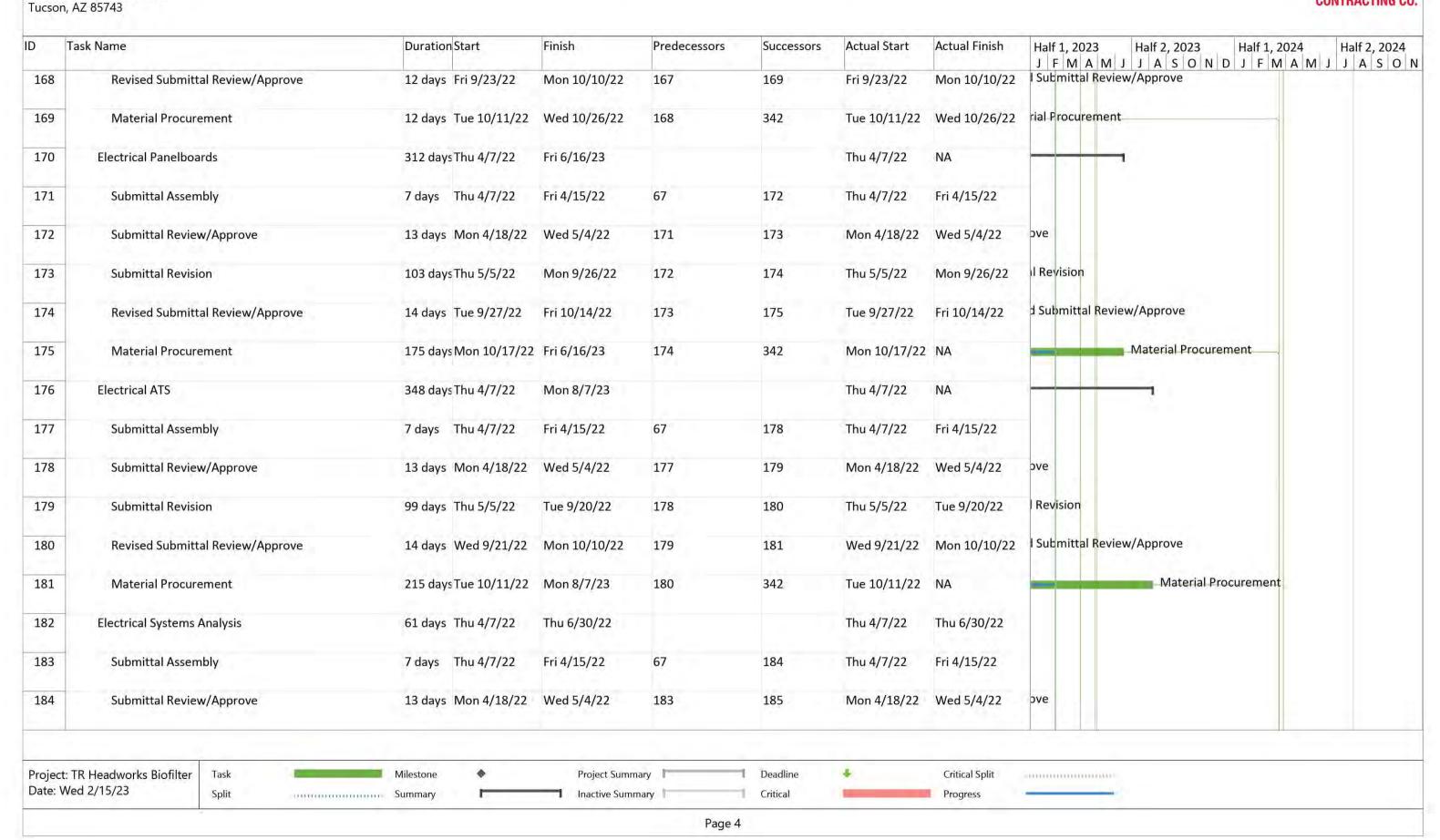






D Ta	ask Name	Duration Start	Finish	Predecessors	Successors	Actual Start	Actual Finish	Half 1, 2023 Half 2, 2023 Half 2 J F M A M J J A S O N D J F	1, 2024 Half 2, 2024
130	2'x2' Hatches (Aluminum)	56 days Tue 5/17/22	Tue 8/2/22			Tue 5/17/22	Tue 8/2/22	3 1 1 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	_M A M 3 3 A 3 6
134	5'x5' Hatches	78 days Fri 4/15/22	Tue 8/2/22			Fri 4/15/22	Tue 8/2/22		
138	Carbon Stack	84 days Fri 4/15/22	Wed 8/10/22			Fri 4/15/22	Wed 8/10/22		
144	Pipe Supports	82 days Mon 4/11/22	Tue 8/2/22			Mon 4/11/22	Tue 8/2/22		
148	Electrical Field Instruments	146 days Fri 4/8/22	Fri 10/28/22			Fri 4/8/22	Fri 10/28/22		
156	Electrical UPS & Safety Switch	508 days Thu 4/7/22	Mon 3/18/24			Thu 4/7/22	NA		-
157	Submittal Assembly	7 days Thu 4/7/22	Fri 4/15/22	67	158	Thu 4/7/22	Fri 4/15/22		
158	Submittal Review/Approve	13 days Mon 4/18/22	Wed 5/4/22	157	159	Mon 4/18/22	Wed 5/4/22	ove	
159	Submittal Revision	102 days Thu 5/5/22	Fri 9/23/22	158	160	Thu 5/5/22	Fri 9/23/22	l Revision	
160	Revised Submittal Review/Approve	12 days Mon 9/26/22	Tue 10/11/22	159	161	Mon 9/26/22	Tue 10/11/22	Submittal Review/Approve	
161	Submittal Revision 2 Assembly	19 days Wed 10/12/22	Mon 11/7/22	160	162	Wed 10/12/22	Mon 11/7/22	nittal Revision 2 Assembly	
162	Rev 2 Submittal Review/Approva	15 days Tue 11/8/22	Mon 11/28/22	161	163	Tue 11/8/22	Mon 11/28/22	v 2 Submittal Review/Approva	
163	Material Procurement	340 days Tue 11/29/22	Mon 3/18/24	162	342	Tue 11/29/22	NA		Material Procuremer
164	Electrical Transformer	145 days Thu 4/7/22	Wed 10/26/22			Thu 4/7/22	Wed 10/26/22		
165	Submittal Assembly	7 days Thu 4/7/22	Fri 4/15/22	67	166	Thu 4/7/22	Fri 4/15/22		
166	Submittal Review/Approve	13 days Mon 4/18/22	Wed 5/4/22	165	167	Mon 4/18/22	Wed 5/4/22	ove	
167	Submittal Revision	101 days Thu 5/5/22	Thu 9/22/22	166	168	Thu 5/5/22	Thu 9/22/22	l Revision	
and the second of the second	R Headworks Biofilter Task d 2/15/23 Split	Milestone •	Project Sumn		Deadline Critical	+	Critical Split Progress		
100		Company of the Compan		Page 3	777		And any		

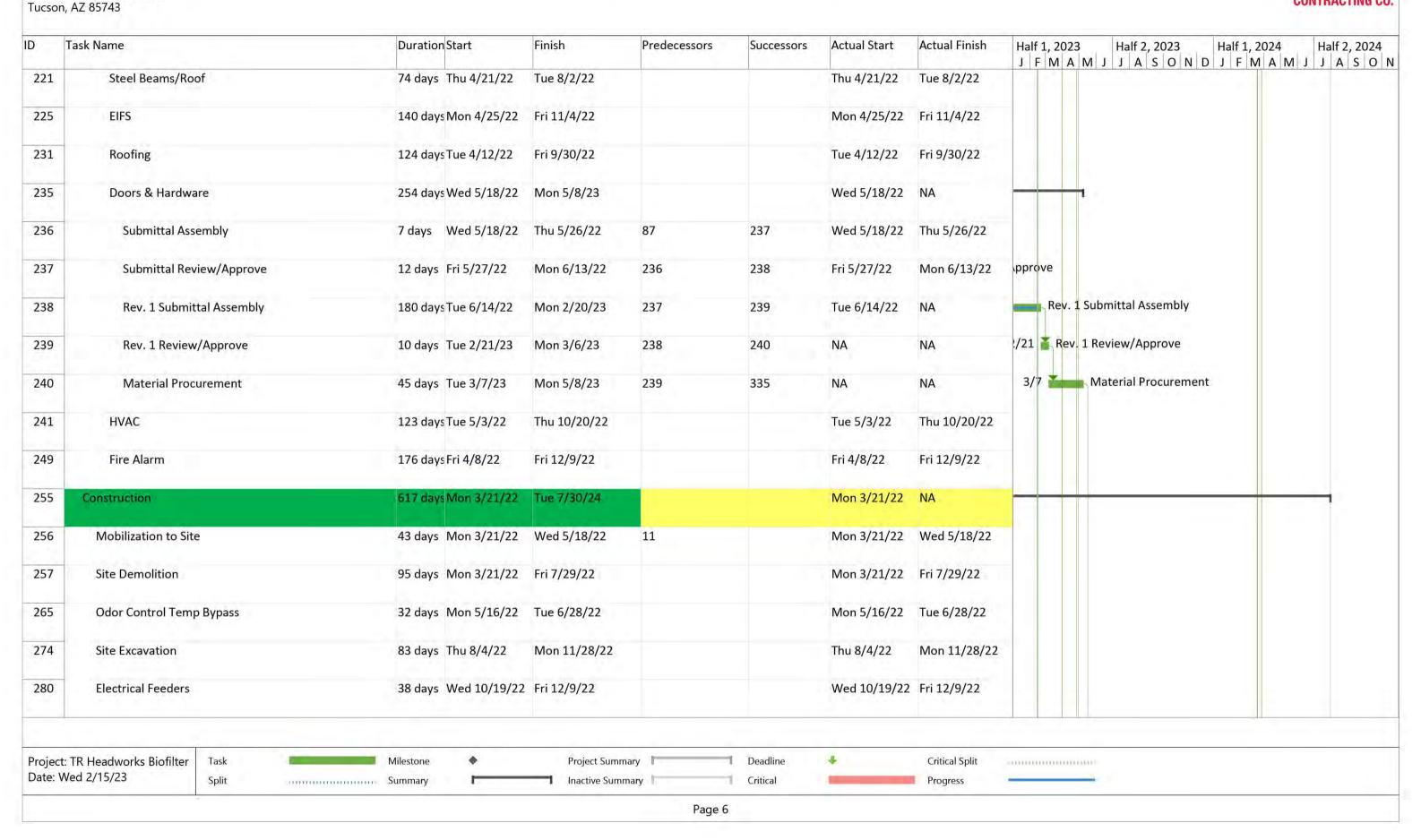












Pima County Regional Wastewater Reclamation Department 7101 N. Casa Grande Hwy. Tucson, AZ 85743



) T	Task Name	Duration	Start	Finish	Predecessors	Successors	Actual Start	Actual Finish	Half 1, 2023
286	Electrical Building Construction	377 day	Mon 11/14/22	Tue 4/23/24			Mon 11/14/22	NA	J F W A W J J A S O N D J F W A W J J A S
287	Excavate Footings	5 days	Mon 11/14/22	Fri 11/18/22	276	290,288	Mon 11/14/22	Fri 11/18/22	avate Footings
288	Underslab Counduits for Electrical/Controls	22 days	Mon 12/5/22	Tue 1/3/23	287	290	Mon 12/5/22	Tue 1/3/23	Underslab Counduits for Electrical/Controls
89	F/R/P Footings	6 days	Thu 1/5/23	Thu 1/12/23			Thu 1/5/23	Thu 1/12/23	n
94	F/R/P, Strip and Backfill Stem Walls	6 days	Fri 1/13/23	Fri 1/20/23			Fri 1/13/23	Fri 1/20/23	п
01	Interior Underslab and Exterior Below Grade Electrical	14 days	Mon 1/23/23	Thu 2/9/23	300	302	Mon 1/23/23	Thu 2/9/23	3 Interior Underslab and Exterior Below Grade Electrical
02	Backfill Stem Walls	1 day	Fri 2/10/23	Fri 2/10/23	300,301	303FF	Fri 2/10/23	Fri 2/10/23	'10 Backfill Stem Walls
03	Grade Interior of Electrical Building	1 day	Fri 2/10/23	Fri 2/10/23	302FF	305	Fri 2/10/23	Fri 2/10/23	10 Grade Interior of Electrical Building
04	F/R/P Electrical Building Pad	11 days	Fri 2/10/23	Fri 2/24/23			Fri 2/10/23	NA	P-T
05	Vapor Barrier Install	1 day	Fri 2/10/23	Fri 2/10/23	303	307,306	Fri 2/10/23	Fri 2/10/23	10 Vapor Barrier Install
06	Rain Day	1 day	Mon 2/13/23	Mon 2/13/23	305	307	Mon 2/13/23	Mon 2/13/23	/13 Rain Day
07	Install Expansion Joint	0.25 day	Tue 2/14/23	Tue 2/14/23	305,306	308	NA	NA	/14 Install Expansion Joint
08	Form Building Pad	0.25 day	Tue 2/14/23	Tue 2/14/23	307	309	NA	NA	/14 Form Building Pad
09	Reinforce Building Pad	0.5 days	Tue 2/14/23	Tue 2/14/23	308	311,310	NA	NA	/14 Reinforce Building Pad
10	Pima Building Permit - Pad Inspection	1 day	Wed 2/15/23	Wed 2/15/23	309	311	NA	NA	/15 Pima Building Permit - Pad Inspection
11	Pour Building Pad	1 day	Thu 2/16/23	Thu 2/16/23	309,310	312	NA	NA	/16 Pour Building Pad
12	Strip Building Pad	1 day	Fri 2/17/23	Fri 2/17/23	311	313	NA	NA	/17 Strip Building Pad
	TR Headworks Biofilter Task	Milestone	•	Project Summary	, 1	Deadline	+	Critical Split	
ite: W	/ed 2/15/23 Split	Summary	1	Inactive Summar	y	Critical		Progress	

Tucson, AZ 85743

21418-00 Tres Rios Headworks Odor Control CMAR



Task Name **Duration Start** Finish **Actual Start Actual Finish** Predecessors Successors Half 1, 2023 Half 2, 2023 Half 2, 2024 Half 1, 2024 J F M A M J J A S O N D J F M A M J J A S O N /20 Concrete Cure on Building Pad 5 days Mon 2/20/23 Fri 2/24/23 313 Concrete Cure on Building Pad 312 315 NA NA 314 Masonry Wall Construction 23 days Mon 2/27/23 Wed 3/29/23 NA NA 2/27 K4' Lift of Masonry 315 4' Lift of Masonry 317,316FF 3 days Mon 2/27/23 Wed 3/1/23 313,220 NA NA 3/1 Door Frame Set in Masonry Door Frame Set in Masonry Wed 3/1/23 315FF NA NA 316 Wed 3/1/23 3/2 Reinforcement Inspection 317 Reinforcement Inspection Thu 3/2/23 Thu 3/2/23 315 NA 318 NA 1 day 3/3 Grout Pour of Masonry Cells 318 **Grout Pour of Masonry Cells** Fri 3/3/23 Fri 3/3/23 317 NA NA 1 day 319 3/6 4 Lift of Masonry 319 4' Lift of Masonry 2 days Mon 3/6/23 Tue 3/7/23 318 320 NA NA 3/3 Reinforcement Inspection Reinforcement Inspection 320 Wed 3/8/23 Wed 3/8/23 319 321 NA NA 3/9 Grout Pour of Masonry Cells 321 Grout Pour of Masonry Cells Thu 3/9/23 Thu 3/9/23 320 322 NA 1 day NA 322 4' Lift of Masonry 3/10 74' Lift of Masonry Fri 3/10/23 Mon 3/13/23 321 323 NA NA 3/14 Reinforcement Inspection 323 Reinforcement Inspection Tue 3/14/23 Tue 3/14/23 322 324 NA NA **Grout Pour of Masonry Cells** 3/15 Grout Pour of Masonry Cells 324 Wed 3/15/23 323 325 NA Wed 3/15/23 NA 3/16 Final Lift of Masonry 325 Final Lift of Masonry Thu 3/16/23 Thu 3/16/23 324 326 NA 326 327 3/17 Reinforcement Inspection Reinforcement Inspection Fri 3/17/23 Fri 3/17/23 325 NA NA 3/20 Grout Pour of Masonry Cells 327 Grout Pour of Masonry Cells Mon 3/20/23 Mon 3/20/23 326 328 NA 3/21 Wall Cure 328 Wall Cure Tue 3/21/23 Mon 3/27/23 327 NA 329 NA 3/28 Install Embeds on Masonry for Beams and Roof 329 Install Embeds on Masonry for Beams and Roof 2 days Tue 3/28/23 Wed 3/29/23 328 330 NA NA

Project: TR Headworks Biofilter Task Deadline Critical Split Milestone **Project Summary** Date: Wed 2/15/23 Split Inactive Summary Critical Summary Progress

Tucson, AZ 85743

21418-00 Tres Rios Headworks Odor Control CMAR



Task Name **Duration Start** Finish **Actual Start Actual Finish** Predecessors Successors Half 1, 2023 Half 2, 2023 Half 2, 2024 Half 1, 2024 J F M A M J J A S O N D J F M A M J J A S O N 3/30 Set Roof Beams Set Roof Beams Thu 3/30/23 NA 330 Thu 3/30/23 329,224 331 NA 1 day 3/31 Decking Install 331 **Decking Install** 2 days Fri 3/31/23 Mon 4/3/23 330 332 NA NA 4/4 EIFS Installation on Exterior Walls 10 days Tue 4/4/23 332 **EIFS Installation on Exterior Walls** Mon 4/17/23 331,230 333,337,338 NA NA 4/18 Roofing Installation 333 Roofing Installation 5 days Tue 4/18/23 Mon 4/24/23 NA NA 332,234 334,335 4/25 Coping, Scupper and Downspout Install 334 Coping, Scupper and Downspout Install Wed 4/26/23 333 336 NA NA 2 days Tue 4/25/23 5/9 Install Doors and Hardware 335 Install Doors and Hardware 2 days Tue 5/9/23 Wed 5/10/23 333,240 337,336 NA NA 5/11 Caulking 336 Caulking Thu 5/11/23 Thu 5/11/23 334,335 337 NA NA 5/12 Tinterior Coatings 337 Interior Coatings 3 days Fri 5/12/23 Tue 5/16/23 332,335,336 342 NA NA 4/18 TF/R/P HVAC & Housekeeping Pads 338 F/R/P HVAC & Housekeeping Pads 2 days Tue 4/18/23 Wed 4/19/23 332 339,340 NA NA 4/20 THVAC Installation **HVAC Installation** 339 3 days Thu 4/20/23 Mon 4/24/23 338,248 342 NA NA 4/20 F/R/P Sidewalks F/R/P Sidewalks 340 3 days Thu 4/20/23 Mon 4/24/23 338 341 NA NA 4/25 Final Grading of Electrical Building 341 Final Grading of Electrical Building Tue 4/25/23 Tue 4/25/23 340 NA NA 3/20 Electrical & Fire Alarm 342 **Electrical & Fire Alarm Installation** 20 days Wed 3/20/24 Tue 4/16/24 339,36,42,254,155,:344,343 NA NA 343 Spread DG after Lightning Proteciton Complete 2 days Wed 4/17/24 Thu 4/18/24 342 571 NA 4/17 Spread DG after Lightr NA 4/17 Start-up & Commission 344 Start-up & Commissioning of Electrical Building 5 days Wed 4/17/24 Tue 4/23/24 342 559,558 NA NA 478 days Mon 8/15/22 Wed 6/12/24 345 Biofilter Construction Mon 8/15/22 NA Pad Subgrade Prep e Prep 346 2 days Mon 8/15/22 Tue 8/16/22 278 356,347 Mon 8/15/22 Tue 8/16/22 Project: TR Headworks Biofilter Task Deadline Critical Split Milestone **Project Summary** Date: Wed 2/15/23 Split Inactive Summary Critical Summary Progress Page 9



D T	ask Name	Duration St	art	Finish	Predecessors	Successors	Actual Start	Actual Finish	Half 1, 2023
347	Place and Finish ABC	23 days W	/ed 8/17/22	Fri 9/16/22	346	351,356	Wed 8/17/22	Fri 9/16/22	Finish ABC
348	Excavate for Header Footing Drops	2 days M	lon 9/19/22	Tue 9/20/22		353	Mon 9/19/22	Tue 9/20/22	for Header Footing Drops
349	Footing Placement	16 days W	/ed 9/21/22	Wed 10/12/22			Wed 9/21/22	Wed 10/12/22	
361	Rough Grade ABC Between Footings	2 days M	lon 10/10/22	Tue 10/11/22	359	365,402,362	Mon 10/10/22	Tue 10/11/22	Grade ABC Between Footings
362	Gang Corner Forms	2 days Th	nu 10/13/22	Fri 10/14/22	360,361	365	Thu 10/13/22	Fri 10/14/22	orner Forms
363	Wall Placements	36 days M	lon 10/10/22	Mon 11/28/22			Mon 10/10/22	Mon 11/28/22	
491	Deck Placement	62 days W	/ed 11/30/22	Thu 2/23/23			Wed 11/30/22	NA	
492	Deck Placement #1	32 days W	/ed 11/30/22	Thu 1/12/23			Wed 11/30/22	Thu 1/12/23	
500	Deck Placement #2	30 days Fr	i 1/13/23	Thu 2/23/23			Fri 1/13/23	NA	1-1
501	Move Shoring for Deck Pour #2	6 days Fr	i 1/13/23	Fri 1/20/23	499	502	Fri 1/13/23	Fri 1/20/23	Move Shoring for Deck Pour #2
502	Install Decking/Formwork	4 days M	lon 1/23/23	Thu 1/26/23	501	503	Mon 1/23/23	Thu 1/26/23	3 Kinstall Decking/Formwork
503	Install Hatches	1 day Fr	i 1/27/23	Fri 1/27/23	502	504	Fri 1/27/23	Fri 1/27/23	7 Install Hatches
504	Reinforce Deck	4 days M	lon 1/30/23	Thu 2/2/23	503	505FF	Mon 1/30/23	Thu 2/2/23	O Reinforce Deck
505	Deck Reinforcement Inspection	1 day Th	nu 2/2/23	Thu 2/2/23	504FF	506	Thu 2/2/23	Thu 2/2/23	/2 Deck Reinforcement Inspection
506	Deck Placement	1 day Fr	i 2/3/23	Fri 2/3/23	505	507	Fri 2/3/23	Fri 2/3/23	/3 Deck Placement
507	Deck Cure	11 days Fr	i 2/3/23	Fri 2/17/23	506	508,509,534S	S Fri 2/3/23	NA	/3 Deck Cure
508	Remove Scaffolding / Formwork	4 days M	lon 2/20/23	Thu 2/23/23	507	542	NA	NA	/20 Remove Scaffolding / Formwork
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and the second second	TR Headworks Biofilter Task ed 2/15/23 Split	Milestone Summary	•	Project Summa Inactive Summa		Deadline Critical	+	Critical Split Progress	annun mineral de la companya de la c

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Tucson, AZ 85743

Project: TR Headworks Biofilter

Date: Wed 2/15/23

Task

Split

Milestone

Summary

21418-00 Tres Rios Headworks Odor Control CMAR



D Tas	sk Name	Duratio	1Start	Finish	Predecessors	Successors	Actual Start	Actual Finish	Half 1, 2023
509	Backfill Around Biofilter (After Deck 80%)	10 days	Mon 2/20/23	Fri 3/3/23	499,507	510,536SS+1	d NA	NA	/20 Backfill Around Biofilter (After Deck 80%)
510	Remove Slope Protection	1 day	Mon 3/6/23	Mon 3/6/23	509	511	NA	NA	3/6 Remove Slope Protection
511	Fine Grade Around Biofilter	3 days	Tue 3/7/23	Thu 3/9/23	510	520,555,550,	5:NA	NA	3/7 Fine Grade Around Biofilter
512	F/R/P Humidifier Pads	10 days	Thu 12/29/22	Wed 1/11/23			Thu 12/29/22	Wed 1/11/23	7
519	F/R/P Stair Landings & Exhaust Stack Pad	11 days	Fri 3/10/23	Fri 3/24/23			NA	NA	
520	Form Landings	3 days	Fri 3/10/23	Tue 3/14/23	511	521	NA	NA	3/10 Form Landings
521	Reinforce Pads	2 days	Wed 3/15/23	Thu 3/16/23	520	522	NA	NA	3/15 Reinforce Pads
522	Pad Inspection	1 day	Fri 3/17/23	Fri 3/17/23	521	523	NA	NA	3/17 Pad Inspection
523	Pad Placement	2 days	Mon 3/20/23	Tue 3/21/23	522	524	NA	NA	3/20 Pad Placement
524	Strip Forms	1 day	Wed 3/22/23	Wed 3/22/23	523	525	NA	NA	3/22 Strip Forms
525	Grade Around Pads	2 days	Thu 3/23/23	Fri 3/24/23	524	549,535,554	NA	NA	3/23 Grade Around Pads
526	F/R/P Blower Pads	15 days	Tue 3/21/23	Mon 4/10/23			NA	NA	
527	Form Blower Pads	6 days	Tue 3/21/23	Tue 3/28/23	511,555	528	NA	NA	3/21 Form Blower Pads
528	Reinforce Pads	4 days	Wed 3/29/23	Mon 4/3/23	527	529	NA	NA	3/29 Reinforce Pads
529	Pad Inspection	1 day	Mon 4/3/23	Tue 4/4/23	528	530	NA	NA	4/3 Pad Inspection
530	Pad Placement	1 day	Wed 4/5/23	Wed 4/5/23	529	531	NA	NA	4/5 Pad Placement
531	Strip Forms	1 day	Thu 4/6/23	Thu 4/6/23	530	532	NA	NA	4/6 Strip Forms

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■ Deadline

Critical

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Critical Split

Progress

Project Summary

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Tucson, AZ 85743

Project: TR Headworks Biofilter

Date: Wed 2/15/23

Task

Split

Milestone

Summary

21418-00 Tres Rios Headworks Odor Control CMAR



D	Task Name	Duration	nStart	Finish	Predecessors	Successors	Actual Start	Actual Finish	Half 1, 2023
532	Grade Around Pads	2 days	Fri 4/7/23	Mon 4/10/23	531	549,551	NA	NA	4/7 Grade Around Pads
533	Install Railings 1st Half	5 days	Mon 1/16/23	Fri 1/20/23	499,205	534	Mon 1/16/23	Fri 1/20/23	I—Install Railings 1st Half
534	Install Railings 2nd Half	5 days	Mon 2/13/23	Fri 2/17/23	507SS+6 days,533	556	Mon 2/13/23	NA	/13 Install Railings 2nd Half
535	Install Stairs and Rail	1 day	Mon 3/27/23	Mon 3/27/23	525	571	NA	NA	3/27 Install Stairs and Rail
536	Install Humidifiers	2 days	Tue 2/21/23	Wed 2/22/23	509SS+1 day,50,19	95537SS+1 day	NA	NA	2/21 Install Humidifiers
537	Install 4" CHD and Sump	5 days	Wed 2/22/23	Tue 2/28/23	536SS+1 day	555	NA	NA	2/22 Install 4" CHD and Sump
538	Fine Grade Interior of Biofilters	1 day	Tue 2/28/23	Tue 2/28/23	490FS+65 days	539	NA	NA	2/28 Fine Grade Interior of Biofilters
539	Geomembrane Prep	1 day	Wed 3/1/23	Wed 3/1/23	538	540	NA	NA	3/1 Geomembrane Prep
540	Grade for Drain Install	1 day	Thu 3/2/23	Thu 3/2/23	539	493,541FS+1	d NA	NA	3/2 Grade for Drain Install
541	Geomembrane Install	12 days	Mon 3/6/23	Tue 3/21/23	540FS+1 day	542	NA	NA	3/6 🖀 Geomembrane Install
542	Drain Installs	5 days	Wed 3/22/23	Tue 3/28/23	508,541	543	NA	NA	3/22 T Drain Installs
543	Layout and Set Boxes on Header	6 days	Wed 3/29/23	Wed 4/5/23	542	544	NA	NA	3/29 Layout and Set Boxes on Header
544	Geonetting Install	3 days	Thu 4/6/23	Mon 4/10/23	543	545	NA	NA	4/6 Geonetting Install
545	Media Type #2 Installs	6 days	Tue 4/11/23	Tue 4/18/23	544,50	546	NA	NA	4/11 Media Type #2 Installs
546	Geonetting Install between Media	3 days	Wed 4/19/23	Fri 4/21/23	545	547	NA	NA	4/19 Geonetting Install between Media
547	Media Type #1 Installs	9 days	Mon 4/24/23	Thu 5/4/23	546	548	NA	NA	4/24 Media Type #1 Installs
548	Soaker Hose Installs	3 days	Fri 5/5/23	Tue 5/9/23	547	558	NA	NA	5/5 Soaker Hose Installs

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Project Summary

Inactive Summary

■ Deadline

Critical

Critical Split

Progress

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D	Task Name	Duration	Start	Finish	Predecessors	Successors	Actual Start	Actual Finish	Half 1, 2023
549	Blower Installation	3 days	Mon 4/24/23	Wed 4/26/23	525,60,518,532	552	NA	NA	4/24 Blower Installation
550	Pipe Support Installation	12 days	Fri 3/10/23	Mon 3/27/23	511,147	552,553	NA	NA	3/10 Pipe Support Installation
551	Re-Install FA Bridge	10 days	Tue 4/11/23	Mon 4/24/23	532	552	NA	NA	4/11 Re-Install FA Bridge
552	FA Installation From Header to Blower	12 days	Thu 4/27/23	Fri 5/12/23	549,50,54,550,551	558	NA	NA	4/27 FA Installation From Header to Blower
553	FA Installation from Blower to Humidifiers	12 days	Tue 3/28/23	Wed 4/12/23	50,54,550	558	NA	NA	3/28 FA Installation from Blower to Humidifiers
554	FA Installation from Biofilter to Exhaust Stack	10 days	Mon 3/27/23	Fri 4/7/23	50,54,143,525	558	NA	NA	3/27 FA Installation from Biofilter to Exhaust Stack
555	Install SW Lines	7 days	Fri 3/10/23	Mon 3/20/23	511,537	558,527	NA	NA	3/10 Install SW Lines
556	Install Electrical & Grounding on Deck	15 days	Mon 2/20/23	Fri 3/10/23	155,534	557	NA	NA	/20 Install Electrical & Grounding on Deck
557	Install Electrical to Blower and Instruments	15 days	Mon 3/13/23	Fri 3/31/23	556,155	558	NA	NA	3/13 Install Electrical to Blower and Instruments
558	Start-up & Commissioning of Biofilter	10 days	Wed 4/24/24	Tue 5/7/24	557,548,554,555,3	4559,570FS+17	' NA	NA	4/24 Start-up & Commis
559	Functional Testing & Media Acclimation	25 days	Wed 5/8/24	Tue 6/11/24	344,558	560	NA	NA	5/8 Functional Test
560	Performance Test	1 day	Wed 6/12/24	Wed 6/12/24	559	571,562FS+10	NA NA	NA	6/12 Performance T
561	Temp Bypass Removal and Site Improvements	24 days	Thu 6/27/24	Tue 7/30/24			NA	NA	
562	Remove Temporary Bypass System	5 days	Thu 6/27/24	Wed 7/3/24	560FS+10 days	563	NA	NA	6/27 Remove Tem
563	Set Carbon Vessels and Patch Temp System	5 days	Thu 7/4/24	Wed 7/10/24	562	564	NA	NA	7/4 K Set Carbon
564	Demo Asphalt on Loop Road	2 days	Thu 7/11/24	Fri 7/12/24	563	565	NA	NA	7/11 Demo Asph
565	Prep Base for Road	5 days	Mon 7/15/24	Fri 7/19/24	564	566	NA	NA	7/15 Prep Base f
Proiect	TR Headworks Biofilter Task	■ Milestone	•	Project Sumr	nary	Deadline	+	Critical Split	
	Ved 2/15/23 Split			Inactive Sum		Critical		Progress	

Pima County Regional Wastewater Reclamation Department 7101 N. Casa Grande Hwy.

Tucson, AZ 85743

21418-00 Tres Rios Headworks Odor Control CMAR



ID	Task Name	Duration	Start	Finish	Predecessors	Successors	Actual Start	Actual Finish	Half 1, 2023
566	Pave Roadway	2 days	Mon 7/22/24	Tue 7/23/24	565	567	NA	NA	7/22 Pave Roadw
567	Final Grading	2 days	Wed 7/24/24	Thu 7/25/24	566	568	NA	NA	7/24 Final Gradin
568	Spread DG Around Site	3 days	Fri 7/26/24	Tue 7/30/24	567	571	NA	NA	7/26 Spread DG
569	Final Closeout	36 days	Thu 3/28/24	Thu 5/16/24			NA	NA	
570	O&M's and Closeout Documentation	15 days	Fri 5/31/24	Thu 6/20/24	558FS+17 days	571	NA	NA	5/31 O&M's and Clo
571	Project Completion	0 days	Tue 7/30/24	Tue 7/30/24	570,560,535,568	,34	NA	NA	7/30

Project: TR Headworks Biofilter Date: Wed 2/15/23

Milestone Project Summary Deadline Critical Progress

Project Summary Project Summary Progress

Project Summary Project Summary Progress

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Appendix "F" Attachment "H" revised 2/20/23 (2 Pages)



Project Name: Tres Rios Headworks Biofilter Odor Control Project Location: 7101 N. Casa Grande Hwy, Tucson, AZ Project No: 3THBOC Combined GMP #1 & GMP #2

Project No: 3THBOC Contract No: CT-WW21-4	Combined GMP #1 & GMP #2 163					1				2023												
CHEDULE OF VALUES	GM	IP #2 Agency R	Review S	et				To Date		February	March		April		May		June	July	August	Septe	mber	October
35	Description - Cost of Construction	Quantity	UoM	Unit Cost	Total Cost	Remaining	Qty to Date	Revenue to Date	Projected Qty	Projected Revenue	Projected Qty P	Projected Revenue	Projected Qty Pro	ojected Revenue	Projected Qty	Projected Revenue	Projected Projected Proje Qty Revenue Qt		Carlo San Carlo	Projected Qty	CONTRACTOR OF THE PARTY OF THE	rojecte Projected d Qty Revenue
Pre-Construction Contrac	1	1	EA	\$160,389.38	\$160,389.38	\$0.00	0.97	\$155,205.00							- 44		0.03 \$5,184.38					
1.10 1.20	Quality Control Start-up	1	EA	\$26,500.00	\$26,500.00 \$32,698.00	\$0.00 \$0.00	0.65	\$17,225.00 \$0.00	0.05			\$2,650.00 \$1,634.90	0.1	\$2,650.00 \$0.00		\$1,325.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.0 \$0.0
1.30	O&M / Closeout		EA	\$16,058.05	\$16,058.05	\$0.00	0	\$0.00	0.00	\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$4,014.51	\$0.0
1.40	SWPPP Install and Maintenance Complete	_	EA	\$14,656.20	\$14,656.20	\$0.00	0.8	\$11,724.96	0.1			\$0.00		\$1,465.62		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
1.50	Temp Bypass Odor Control Mobilization	_	EA EA	\$234,992.13 \$14,494.08	\$234,992.13 \$14,494.08	\$0.00 \$0.00	1	\$234,992.13 \$14,494.08		\$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
2.10	Demo Existing Structures		EA	\$71,051.52	\$71,051.52	\$0.00	1	\$71,051.52		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
2.20	Demo Existing Ductbanks / Underground	1	EA	\$41,419.65	\$41,419.65	\$0.00	1	\$41,419.65		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
2.30	Remove Existing Asphalt		EA	\$13,007.40	\$13,007.40	\$0.00	0.3	\$3,902.22	0.05	\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
3.10 3.20	Electrical Building Foundation / Slab Biofilter Structure	1	EA.	\$26,721.35 \$903,646.29	\$26,721.35 \$903,646.29	\$0.00 \$0.00	0.7	\$18,704.95 \$813,281.66	0.05		0.25	\$6,680.34 \$45,182.31		\$0.00 \$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
3.30	Misc. Concrete - Curbing/Equipment Pads		EA	\$47,633.71	\$47,633.71	\$0.00	0.4		0.2		0.03	\$0.00	0.2	\$9,526.74		\$9,526.74	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
5.10	Biofilter Railing	_	EA	\$85,289.61	\$85,289.61	\$0.00	0.5	\$42,644.81	1	\$0.00		\$0.00		\$21,322.40		\$21,322.40	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
5.20	Exhaust Stack	1	EA EA	\$64,358.16 \$237,936.39	\$64,358.16	\$0.00 \$0.00	0.9		_	\$0.00		\$0.00		\$0.00 \$35,690.46		\$6,435.82 \$35,690.46	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
9.10	Misc. Metals - Stairs/Embeds/Misc. Painting / Coatings		EA	\$76,072.00	\$237,936.39 \$76,072.00	\$0.00	0.15	\$166,555.47 \$11,410.80		\$0.00		\$0.00		\$35,690.46		\$7,607.20	\$0.00 \$0.00	\$0.00	\$0.00		\$0.00	\$0.00
23.10	Foul Air Ducting (GMP #1)		EA	\$378,000.00	\$378,000.00	\$0.00	0.9	\$340,200.00	2	\$0.00		\$37,800.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		77714	\$0.00
23.11	Foul Air Ducting Installation		EA	\$72,883.36	\$72,883.36	\$0.00	0.15	\$10,932.50	0.05			\$18,220.84	0.25	518,220.84		\$18,220.84	0.05 \$3,644.17	\$0.00	\$0.00		\$0.00	\$0.00
23.20 23.21	Foul Air Odor Control Fans (GMP #1) Foul Air Odor Control Fans Install/Change		EA EA	\$195,550.00 \$30,399.72	\$195,550.00 \$30,399.72	\$0.00 \$0.00	0.15	\$29,332.50 \$0.00		\$0.00		\$166,217.50 \$0.00		\$0.00 \$0.00		\$0.00	\$0.00 0.5 \$15,199.86	\$0.00	\$0.00		\$0.00	\$0.00
23.21	Foul Air Odor Control Fans Install/Change Foul Air Demisters (GMP #1)		EA	\$42,000.00	\$42,000.00	\$0.00	0.05	\$2,100.00		\$0.00		\$39,900.00		3U.U0	U.5	513,199.86	0.5 515,133,00	50,00	\$0.00		50,00	\$0.0
23.31	Foul Air Demisters / Humidifier Install	1	EA	\$16,889.98	\$16,889.98	\$0.00	0	\$0.00	1	\$0.00	0.5	\$8,444.99	0.5	\$8,444.99		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
23.40	Foul Air Dampers / Accessories		EA	\$52,424.00	\$52,424.00	\$0.00	0.3			\$0.00		\$13,106.00	0.25	\$13,106.00	0.2	\$10,484.80	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
26.10 26.20	Primary Feeders Lightning Protection		EA	\$162,163.64 \$54,417.33	\$162,163.64 \$54,417.33	\$0.00	0,85	\$137,839.09 \$40,813.00		\$0.00		\$0.00	0.1	\$16,216.36 \$0.00		\$0.00	\$0.00 0.2 \$10.883.47	\$0.00 0.05 \$2,720.87	\$0.00		\$0.00	\$0.00
26.30	Tax Exempt Electrical Equipment / Gear (GMP #1)	_	EA	\$54,417.33	\$54,417.33	\$0.00	0.75	\$40,813.00		\$0.00		\$15,000.00		\$40,000.00		\$U.00	0.2 \$10,883.47 \$45,602.36	0.03 \$2,720.87	\$35,000.00		\$0.00	\$0.00
26.40	Electrical Installation		EA	\$157,919.09	\$157,919.09	\$0.00	0.65	\$102,647.41		\$0,00		\$0.00		\$0.00	100	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
26.50	Odor Control Facility Electrical		EA	\$309,309.84	\$309,309.84	\$0.00	0.25	\$77,327.46	0.1	- Partiagnes		\$30,930.98		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$77,327.46	\$0.00
26.60	Programming		EA.	\$48,975.60	\$48,975.60	\$0.00	0.5	\$24,487.80		\$0.00		\$0.00		\$0.00		\$0.00 \$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
31.10 31.20	Biofilter Excavation Electrical Trenching		EA .	\$161,011.08 \$104,481.27	\$161,011.08 \$104,481.27	\$0.00	0.8	\$161,011.08 \$83,585.02		\$0.00		\$0.00		\$0.00 \$10,448.13		\$10,448.13	\$0.00 \$0.00	\$0.00	\$0.00		\$0.00	\$0.00
31.30	Electrical Building Excavation		EA.	\$20,912.36	\$20,912.36	\$0.00	1	\$20,912.36		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
31.40	Biofilter Drains		EA	\$39,501.12	\$39,501.12	\$0.00	0.1	\$3,950.11		\$0.00		\$0.00	0.45	\$17,775.50		\$17,775.50	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
31.50 31.60	Roadway Grade Biofilter Backfill	565	SY EA	\$15.25 \$87,809.93	\$8,616.76 \$87,809.93	\$0.00 \$0.00	-	\$0.00 \$0.00		\$0.00		\$0.00	0.5	\$0.00 \$43,904.97		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
32.10	Roadway ABC	112		\$82.50	\$9,240.00	\$0.00		\$0.00		\$0.00		\$0.00	0.5	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
32.20	Paving	150		\$120.41	\$18,062.16	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
32.30	Sidewalks		EA.	\$2,160.00	\$2,160.00	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$1,080.00	0.5 \$1,080.00
40.10 40.20	Piping Supports		EA	\$85,347.36 \$40,874.42	\$85,347.36 \$40,874.42	\$0.00 \$0.00	0.75	\$64,010.52		\$0.00		\$0.00	0.2	\$17,069.47 \$0.00		\$4,267.37	\$0.00 0.5 \$20,437.21	\$0.00 0.5 \$20,437.21	\$0.00		\$0.00	\$0.00
40.30	Process Piping Instrumentation & Control (GMP #1)	_	EA	\$83,130.05	\$83,130.05	\$0.00	0.55	\$45,721.53		\$0.00		\$12,000.00	0.16	513,000.00		\$12,408.52	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
40.31	I&C Installation		EA	\$64,798.46	\$64,798.46	\$0.00	0.55	\$35,639.15		\$0.00		\$0.00		\$0.00		\$0.00	0.25 \$16,199.62	0.2 \$12,959.69	\$0.00		\$0.00	\$0.00
44.10	Biofilter Piping (GMP #1)	1		\$950,000.00	\$950,000.00	\$0.00	0.97			\$0.00		\$0.00		\$0.00			\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
44.11	Biofilter Piping Install Biofilter Humidifier		EA	\$68,440.56 \$72,000.00	\$68,440.56 \$72,000.00	\$0.00	0.1	\$6,844.06 \$72,000.00		\$0.00		\$0.00 \$0.00		\$27,376.22 \$0.00		\$34,220.28	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00 \$0.00
44.12	Biofilter Media (GMP #1) Included in 44.10		EA	572,000.00	\$72,000.00	\$0.00	1	372,000.00		\$0.00		50.00		\$0.00		50.00	50.00	50.00	50.00		50.00	50.00
44.21	Biofilter Media Freight Allowance	1	EA	5225,000.00	\$225,000.00	\$0.00	1	\$225,000.00		\$0.00		\$0.00	411	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
44.22	Biofilter Media Install	_	EA	\$175,795.62	\$175,795.62	\$0.00	0	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
50.00	Electrical Building Construction	1	EA	\$261,138.40	\$261,138.40	-\$0.01	0	\$0.00		\$0.00	0,2	\$52,227.69	0.2	\$52,227.68	0.2	\$52,227.68	0.2 \$52,227.68	0.2 \$52,227.68	\$0.00		\$0.00	\$0.00
UBTOTAL DIRECT COST (CO	ST OF CONSTRUCTION)				\$6,566,979.18	\$0.00		\$4,226,369.65		\$96,370.80		\$493,900.52		\$348,445.39		\$257,160.60	\$169,378.74	\$88,345.45	\$35,000.00		\$82,421.97	\$1,080.00
	CMAR Contingency - GMP #1	0.00%		\$0.00	\$0.00	\$0.00	0	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
	CMAR Contingency - GMP #2	0.00%	EA	\$0.00	\$0.00	\$0.00	0	\$0.00		\$0.00		\$0.00		\$0.00								
Subtotal (Direct Constructio	n Costs)				\$6,566,979.18	\$0.00		\$4,226,369.65		\$96,370.80		\$493,900.52		\$348,445.39		\$257,160.60	\$169,378.74	\$88,345.45	\$35,000.00		\$82,421.97	\$1,080.00
	INDIRECT CONSTRUCTION COSTS:	6 2 1	- T	Ass was and	212 214 21		0.00	440.000.00		T do no	0.00	45.112.40	0.00	44.45.44		40.40	a anal At non col	T de del e w	- d c d.		da an	1 40.00
	General Conditions - GMP #1 General Conditions - GMP #2	1 1	EA EA	\$42,739.80 \$375,262.32	\$42,739.80 \$375,262.32	\$0.00	0.67	\$28,635.67 \$225,157.39	0.02	\$0.00 \$7,505.25		\$2,136.99 \$18,763.12	0.05	\$2,136.99 \$9,381.56	0.025	\$0.00	0.025 \$1,068.50 0.025 \$9,381.56	\$0.00 0.00 0.025 \$9,381.56	25 \$1,068.50 \$0.00	0.025	\$0.00	\$0.00 0.025 \$9,381.56
	Overhead - GMP #1		EA	\$150,615.75	\$150,615.75	\$0.00	0.67	\$100,912.55	0.02	\$0.00		\$7,530.79	0.05	\$7,530.79		\$0.00	0.025 \$3,765.39	\$0.00 0.00			\$0.00	\$0.00
	Overhead - GMP #2	6.32%		\$318,930.65	\$318,930.65	\$0.00	0.6	\$191,358.39	0.02	\$6,378.61		\$15,946.53	0.025	\$7,973.27	0.025	\$7,973.27	0.025 \$7,973.27	0.025 \$7,973.27	\$0.00	0.025	\$7,973.27	0.025 \$7,973.27
	Insurance - GMP #1 Insurance - GMP #2	1.00%		\$21,494.83 \$50,463.71	\$21,494.83 \$50,463.71	\$0.00 \$0.00	0.67		0.02	\$0.00 \$1,009.27		\$1,074.74 \$2,523.19	0.05	\$1,074.74 \$1,261.59		\$0.00	0.025 \$537.37 0.025 \$1,261.59	\$0.00 0.03 0.025 \$1,261.59	25 \$537.37 \$0.00		\$0.00	\$0.00 0.025 \$1,261.59
	Payment and Performance Bonds - GMP #1	0.79%		\$18,826.97	\$18,826.97	\$0.00	0.67		0.02	\$0.00		\$941.35	0.025	\$941.35		\$0.00	0.025 \$470.67	\$0.00 0.0		0.023	\$0.00	\$0.00
	Payment and Performance Bonds - GMP #2	0.79% 8		\$44,607.73	\$44,607.73	\$0.00	0.6	\$26,764.64	0.02			\$2,230.39	0.025	\$1,115.19	0.025	\$1,115.19	0.025 \$1,115.19	0.025 \$1,115.19	\$0.00	0.025	\$1,115.19	0.025 \$1,115.19
ubtotal (Direct County of	n Cost + Gen Cond, Overhead, Bonds, Insurance)				\$7,589,920.94	\$0.00		\$4,856,492.12		\$112,156.08		\$545,047.61		\$379,860.87		\$276,892.21	\$194,952.28	\$108,077.06	\$40,841.93		\$102,153.58	\$20,811.61
uniotal (Direct Constructio	Construction Fee (As a percentage of Subtotal above or to exclude				\$7,589,920.94	\$0.00		34,656,492.12	-	\$112,156.08		3545,047.61	-	33/9,860.8/		\$270,892.21	\$194,952.28	\$108,077.06	\$40,841.93		\$102,153.58	\$20,811.61
	any items above) - GMP #1	7.00%	EA	\$166,821.24	\$166,821.24	\$0.00	0.67	\$111,770.23		\$0.00	0.05	\$8,341.06	0.05	\$8,341.06		\$0.00	0.025 \$4,170.53	\$0.00 0.00	25 \$4,170.53		\$0.00	\$0.00
	Construction Fee (As a percentage of Subtotal above or to exclude any items above) - GMP #2	5.00%	FΔ	\$252,318.55	\$252,318.55	\$0.00	ne	\$151,391.13	0.02	\$5,046.37	0.05	\$12,615.93	0.025	\$6,307.96	0.025	\$6,307.96	0.025 \$6,307.96	0.025 \$6,307.96	\$0.00	0.025	\$6,307.96	0.025 \$6,307.96
		5,00%		7E0E1310-JJ	17.0x 3x3		0.0		0.02	100000000000000000000000000000000000000					0.02.0							
subtotal (Direct Construction	n Cost + Gen Cond, Overhead, Bonds, Insurance and Fee) Arizona Gross Receipts Tax - GMP #1	5.66% E	EA	\$144,201.47	\$8,009,060.73 \$144,201.47	\$0.00 \$0.00	0.67	\$5,119,653.48 \$96,614.98		\$117,202.46 \$0.00		\$566,004.60 \$7,210.07	0.05	\$394,509.89 \$7,210.07		\$283,200.17	\$205,430.78 0.025 \$3,605.04	\$114,385.02 \$0.00 0.00	\$45,012.46 25 \$3,605.04		\$108,461.55	\$27,119.57 \$0.00
	Arizona Gross Receipts Tax - GMP #1 Arizona Gross Receipts Tax - GMP #2	6.57%		\$347,858.97	\$347,858.97	\$0.00	0.67		0.02			\$17,392.95		\$7,210.07	0.025	\$8,696.47		0.025 \$8,696.47	23,005.04	0.025	\$8,696.47	0.025 \$8,696.47
						2227										11.50.1		1	4.000		A TO A TO A STATE OF	
oubtotal (Direct Constructio	n Cost + Gen Cond, Overhead, Bonds, Insurance, Fee and Tax) GUARANTE	ED MAXIMUM	A PRICE II	GMPI	\$8,501,121.17 \$8,501,121.17	\$0.00		\$5,424,983.85 \$5,424,983.85		\$124,159.63 \$124,159.63		\$590,607.62 \$590,607.62		\$410,416.44 \$410,416.44		\$291,896.65	\$217,732.29 \$217,732.29	\$123,081.50 \$123,081.50	\$48,617.50 \$48,617.50		\$117,158.02 \$117,158.02	\$35,816.05 \$35,816.05
	OTHER PROJECT COSTS:	C INFAMINION	- mice	Sint (90,301,121.1/	30.00		43,464,303.83		7124,133.03		3330,007.62		2410,410.44		3231,030.03	4411,134.43	7123,001.30	J-40,017.30		VIII,130,01	233,610.03
	Owner's Contingency - GMP #1	5.00% 8		\$141,799.12	\$141,799.12		0.59			\$0.00		\$0.00		\$0.00		\$28,359.82	\$0.00		328,359.82		\$0.00	\$0.00
	Owner's Contingency - GMP #1	4.00% E		\$225,861.94	\$225,861.94		0.41		-	\$0.00		\$27,254.18		\$0.00		\$0.00	0.2 \$45,172.38	\$0.00	\$0.00		\$45,172.39	\$0.00
	101	AL CONTRACT	1000		\$8,868,782.23	\$0.00		\$5,600,506.90		\$124,159.63		\$617,861.80		\$410,416.44		\$320,256.47	\$262,904.67	\$123,081.50	\$76,977.33		\$162,330.41	\$35,816.05



Project Name: Tres Ríos Headworks Biofilter Odor Contro

Project Location: 7101 N. Casa Grande Hwy, Tucson, AZ Project No: 3THBOC

Contract No: CT-WW21-463

2024

Ojecte		Projecte d Qty	Projected Revenue	Projecte d Qty	Projected Revenue	Projecte d Qty	ebruary Projected Revenue	Projected Qty	Projected Revenue	Projected Qty	Projected Revenue		Projected Revenue		Projected Revenue	Projected Qty	Projected Revenue	Projected Qty	Projected Revenue
	\$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	0.8	\$26,158.40	0.1	\$3,269.80		\$0.00		\$0.00		\$0.00		\$0.00
	\$0.00	0.25	\$4,014.51		\$0.00		\$0.00		\$0.00	0.5	\$8,029.03		\$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	-	\$0.00		\$0.00	-	\$0.00		\$0.00		\$0.00 \$0.00
	\$0.00		\$0.00	-	\$0.00		50.00		\$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
- 1	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0.7	\$9,105.18		\$0.00
	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
- 1	\$0.00		\$0.00		\$0.00		\$0.00	1	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
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n c	\$0.00	_	\$0.00	-	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0.00	\$0.00		\$0.00		\$0.00
0.5	\$38,036.00		\$0.00		\$0.00		\$0.00 \$0.00		\$0.00		\$0.00 \$0.00		\$0.00	0.25	\$19,018.00 \$0.00	-	\$0.00		\$0.00 \$0.00
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-	30.00		30.00		\$0.00		\$0.00		\$0.00		\$0.00		30,00		\$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
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	\$0.00		\$0.00		\$0.00		\$0.00	0.05	\$8,108.18		\$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
-	40.7		\$100,000.00		\$100,000.00		\$20,000.00		\$20,000.00	120	Code man de		40.00		No. 24		.44		W2.4-
-	\$0.00		\$0.00	0.1	\$0.00	0.1	\$15,791.91 \$0.00	0.15	\$23,687.86 \$30,930.98	0.1	\$15,791.91 \$30,930.98		\$0.00	-	\$0.00 \$0.00		\$0.00		\$0.00
-	\$0.00		\$0.00	0.1	\$0.00		\$0.00	0.1	\$0.00	U.1	\$0.00	0.25		0.25			\$0.00		\$0.00
	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0.23	\$0.00	0.23	\$0.00		\$0.00		\$0.00
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_	\$0.00		\$0.00	-	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	150	\$18,062.16		\$0.00
-	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	-	50.00		\$0.00		\$0.00		\$0.00		\$0.00
-4	\$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	- 4	\$0.00		\$0.00	-	\$0.00		\$0.00		\$0.00	_	\$0.00		\$0.00		\$0.00
- 1	\$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		\$28,500.00		\$0.00		34.00		\$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
- 4	\$0.00	-	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0.5	\$0.00		\$0.00		\$0.00		\$0.00
	45.50		44.54		44.54		40.00		1200		40.00		40.00		2000	-	44.54		10.00
-	\$0.00	0.5	\$0.00	O.C.	\$0.00		\$0.00	-	\$0.00	-	\$0.00 \$0.00		\$0.00		\$0.00		\$0.00		\$0.00 \$0.00
-	\$0.00	0,5	\$0.00	0.5	\$87,897.81		\$0.00		\$0.00		\$0.00		\$0.00	-	\$0.00		\$0.00		\$0.00
-	\$0.00		\$0.00		\$0.00		50:00		\$0.00		\$0.00		30.00		\$0.00		\$0.00		\$0.00
	\$38,036.00		\$191,912.32		\$218,828.79		\$35,791.91		\$137,385.43		\$58,021.72		\$12,243.90		\$31,261.90		\$45,024.10		\$0.00
	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
	\$38,036.00		\$191,912.32		\$218,828.79		\$35,791.91		\$137,385.43		\$58,021.72		\$12,243.90		\$31,261.90		\$45,024.10		\$0.00
	\$0.00	0.075	\$3,205.49	0.075	\$3,205.49	0.025	\$1,068.50	0.005	\$213.70	- 1	\$0.00	-	\$0.00	-	\$0.00		\$0.00	1	\$0.00
0.025	\$9,381.56	0.075	\$9,381.56	0.075	\$18,763.12		\$9,381.56	0.025	\$9,381.56	0.025	\$9,381.56	0.0025		0.0025	\$938.16		\$0.00		\$0.00
	\$0.00	0.075	\$11,296.18	0.075	\$11,296.18		\$3,765.39	0.005	\$753.08	0.025	\$0.00	3.0023	\$0.00	LIOULD	\$0.00		\$0.00		\$0.00
.025	\$7,973.27	0.025	\$7,973.27	0.05	\$15,946.53		\$7,973.27	0.025	\$7,973.27	0.025	\$7,973.27	0.0025		0.0025	\$797.33		\$0.00		\$0.00
	\$0.00	0.075	\$1,612.11	0.075	\$1,612.11		\$537.37	0.005	\$107.47		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
0.025		0.025	\$1,261.59	0.05	\$2,523.19			0.025	\$1,261.59	0.025	\$1,261.59	0.0025		0.0025			\$0.00		\$0.00
0.025	\$0.00	0.075	\$1,412.02		\$1,412.02		\$470.67	0.005	\$94.13	0.000	\$0.00	0.0000	\$0.00	0.000-	\$0.00		\$0.00		\$0.00
0.025	\$1,115.19	0.025	\$1,115.19	0.05	\$2,230.39	0.025	\$1,115.19	0.025	\$1,115.19	0.025	\$1,115.19	0.0025	\$111.52	0.0025	\$111.52		\$0.00		\$0.00
	\$57,767.61		\$229,169.73		\$275,817.82		\$61,365.45		\$158,285.42		\$77,753.33		\$14,217.06		\$33,235.06		\$45,024.10)	\$0.00
	\$0.00	0.075	\$12,511.59	0.075	\$12,511.59	0.025	\$4,170.53	0.005	\$834.11		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		0.025	\$6,307.96	0.05	\$12,615.93	0.025	\$6,307.96	0.025	\$6,307.96	0.025	\$6,307.96	0.0025	\$630.80	0.0025	\$630.80		\$0.00		\$0.00
0.025	\$6,307.96		\$247,989.29	0.075	\$300,945.34 \$10,815.11		\$71,843.95 \$3,605.04		\$165,427.49 \$721.01		\$84,061.29 \$0.00		\$14,847.86 \$0.00		\$33,865.86 \$0.00		\$45,024.10		\$0.00 \$0.00
0.025	\$64,075.57	0.075	\$10 01E 11				\$8,696.47	0.025	\$8,696.47	0.025	\$8,696.47	0.0025		0.0025	\$869.65		\$0.00		\$0.00
0.025		0.075 0.025	\$10,815.11 \$8,696.47	0.05	\$17,392.95	0.025	20,030.47												
	\$64,075.57 \$0.00 \$8,696.47		\$8,696.47	0.05	100 40 10		25.000		C174 044 C		607 707 7		64F 747 F		624 725		CAT ANA		AR FU
	\$64,075.57 \$0.00 \$8,696.47 \$72,772.05		\$8,696.47 \$267,500.88	0.05	\$329,153.40		\$84,145.46		\$174,844.98		\$92,757.77		\$15,717.50		\$34,735.50		\$45,024.10		\$0.00
	\$64,075.57 \$0.00 \$8,696.47		\$8,696.47	0.05	100 40 10		25.000		\$174,844.98 \$174,844.98		\$92,757.77 \$92,757.77		\$15,717.50 \$15,717.50		\$34,735.50 \$34,735.50		\$45,024.10 \$45,024.10		\$0.00 \$0.00
	\$64,075.57 \$0.00 \$8,696.47 \$72,772.05		\$8,696.47 \$267,500.88	0.05	\$329,153.40		\$84,145.46									(