

August 3, 2026 - 6:00 PM
Glenpool City Hall, City Council Chambers
12205 S. Yukon Ave. 3rd Floor
Glenpool, Oklahoma

The Glenpool Utility Service Authority will be held at 6:00 p.m. immediately following the Glenpool City Council Meeting.

AGENDA

- A) **Call to Order - Joyce G. Calvert, Chair**
- B) **Roll Call, Declaration of a Quorum - Lesli Smith, City Clerk; Joyce G. Calvert, Chair**
- C) **Management Report**
- D) **Trustee Comments**
- E) **Public Comments**
- F) **Consideration and appropriate action relating to a request for approval of the Consent Agenda.**
(All matters listed under "Consent" are considered by the GUSA Board to be routine and will be enacted by one motion. Any Trustee may, however, remove an item from the Consent Agenda by request. (A motion to adopt the Consent Agenda is non-debatable.)
 - 1) To approve the minutes from the July 20, 2026, special meeting.
- G) **Consideration and appropriate action relating to items removed from the Consent Agenda**
- H) **Scheduled Business**
 - 1) Discussion and possible action to approve, amend, or deny Pay Application No. 18 submitted by Crossland Heavy Contractors for the Wastewater Treatment Plant Improvements Project.
(David Agbetunsin, Chief Operations Officer)
 - 2) Discussion and possible action to approve, amend, or deny the proposal from Barnhart Excavating in the amount of \$10,800.00 to hydrovac the path for the new sewer line, to be paid out of 02-6-16-6235 GUSA 16 Contract Services.
(Jesse Hale, Director of Public Works)
 - 3) Wastewater Treatment Plant Monthly Update.
(David Agbetunsin, Chief Operations Officer)
- I) **Adjournment**

This notice and agenda was posted at Glenpool City Hall, 12205 S Yukon Ave., Oklahoma, on 7-31-2026 at 11:30 a.m.

Signed: Lesli Smith
 City Clerk

GLENPOOL UTILITY SERVICE AUTHORITY

MEETING MINUTES

JULY 20, 2026

COUNCIL PRESENT:	Tim Fox, Jaci Triplett-Lund, Joyce Calvert, Chris Brobst, Shayne Buchanan
COUNCIL ABSENT:	
STAFF PRESENT:	David Tillotson, LeaAnn Reed, Lesli Smith.
STAFF ABSENT:	David Agbetunsin

A) Call to Order - Joyce G. Calvert, Chair

Chair Calvert called the special meeting to order at 6:37 p.m.

B) Roll Call, Declaration of a Quorum - Lesli Smith, City Clerk; Joyce G. Calvert, Mayor

Lesli Smith called the roll; Chair Calvert declared a quorum present. Eric Nelson, Attorney, of Rosenstein, Fist & Ringold, were also in attendance.

C) Consideration and appropriate action relating to a request for approval of the Consent Agenda.

- 1) To approve the minutes from the July 6, 2026 meeting.

Moved by Jaci Triplett-Lund, seconded by Chris Brobst

For	Against
Tim Fox, Jaci Triplett-Lund, Joyce Calvert, Chris Brobst, Shayne Buchanan	None
5	0

Abstained	Absent
None	
0	

To approve the consent agenda.

CARRIED.

D) **Consideration and appropriate action relating to items removed from the Consent Agenda**

No items were removed from the consent agenda.

E) **Scheduled Business**

- 1) Discussion and possible action to consider allowing, or denying, wastewater treatment service to governmental entities outside the Glenpool City Limits.

Moved by Joyce Calvert, seconded by Tim Fox

For	Against
Tim Fox, Jaci Triplett-Lund, Joyce Calvert, Chris Brobst, Shayne Buchanan	None
5	0

Abstained	Absent
None	
0	

Allowing wastewater treatment service to governmental entities outside the Glenpool City Limits

CARRIED.

- 2) Discussion and possible action to approve, amend, or deny a proposal from Edens Structural Solutions in the amount of \$10,550.00, to be paid from GUSA 16 Contract Services, account 02-6-16-6325.

Moved by Jaci Triplett-Lund, seconded by Chris Brobst

For	Against
Tim Fox, Jaci Triplett-Lund, Joyce Calvert, Chris Brobst, Shayne Buchanan	None
5	0

Abstained	Absent
None	
0	

To approve, the proposal from Edens Structural Solutions in the amount of \$10,550.00, to be paid from GUSA 16 Contract Services, account 02-6-16-6325.

CARRIED.

- 3) Discussion and possible action to approve, amend, or deny a proposal from Barnhart Excavating in the amount of \$48,825.00 to be paid from GUSA 16 Contract Services 02-6-16-6325. to repair the sewer line at 14037 Glen St.

Moved by Joyce Calvert, seconded by Chris Brobst

For	Against
Tim Fox, Jaci Triplett-Lund, Joyce Calvert, Chris Brobst, Shayne Buchanan	None
5	0

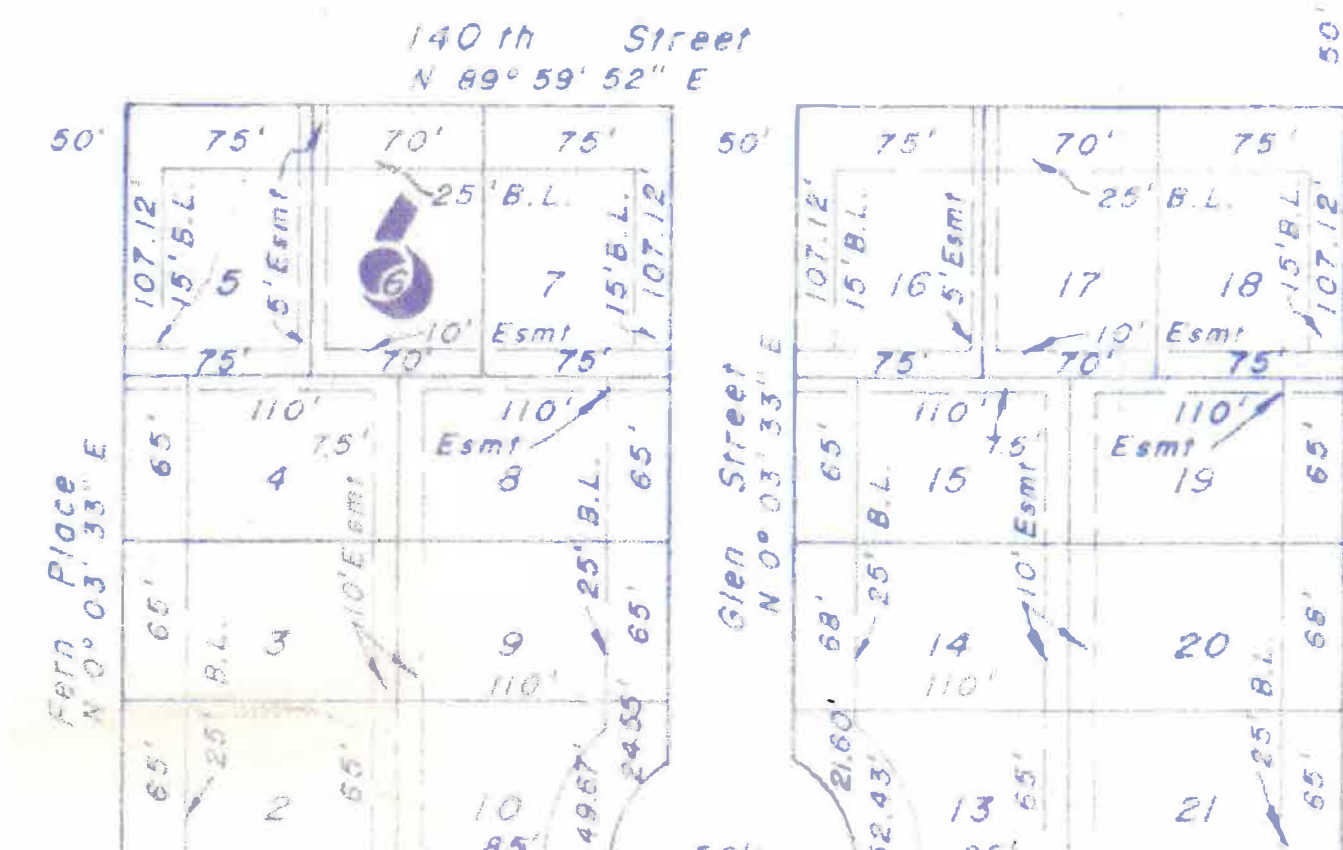
Abstained	Absent
None	
0	

To approve, proposal from Barnhart Excavating in the amount of \$48,825.00 to be paid from GUSA 16 Contract Services 02-6-16-6325. to repair the sewer line at 14037 Glen St.

CARRIED.

F) **Adjournment**

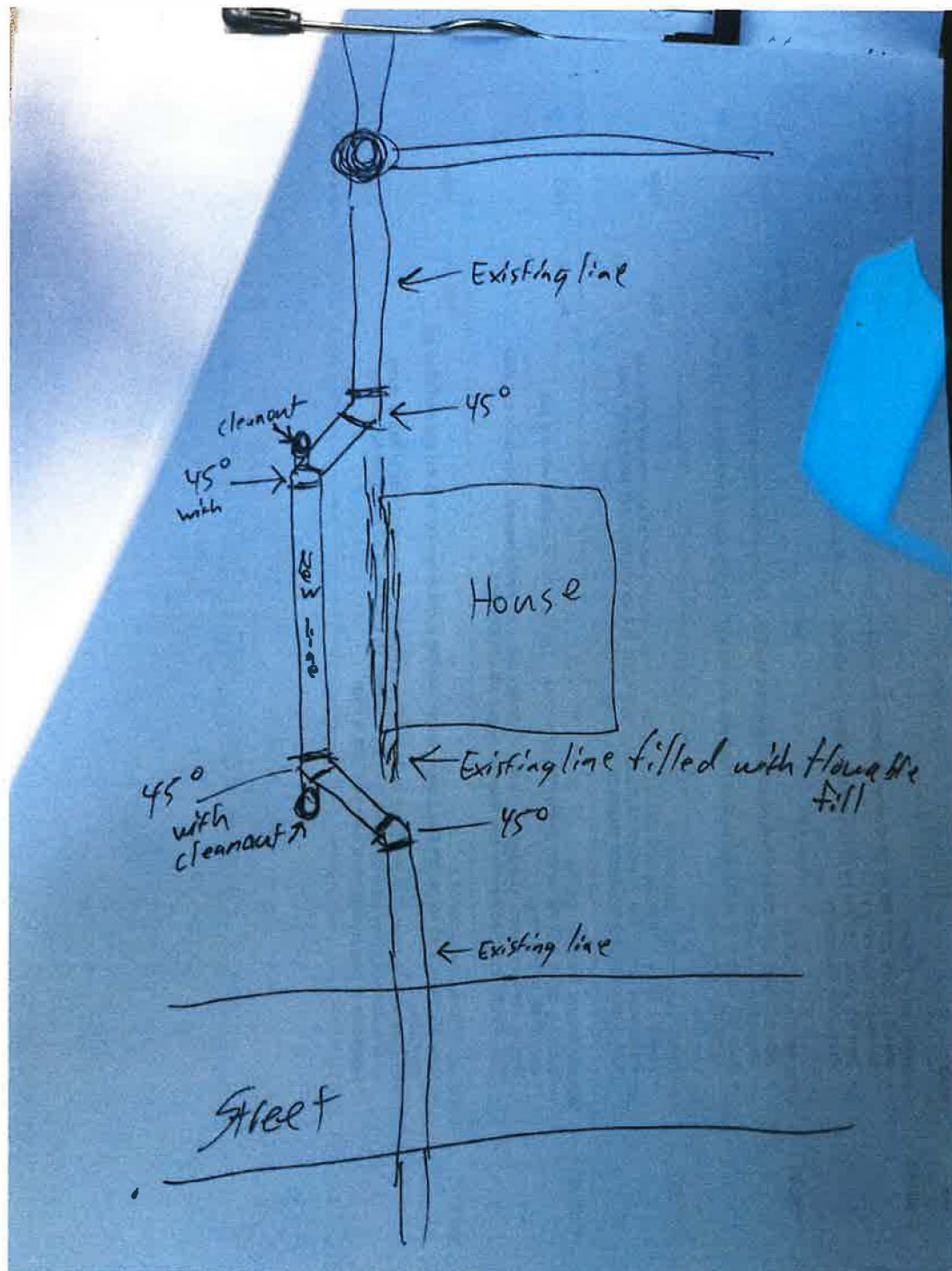
The special meeting was adjourned at 7:20 p.m.



Original Plat Map (14037 Glen is Lot 15 on this map)



Current Sanitary Sewer Alignment



Plan of Attack

To: Chair and Board of Trustees, Glenpool Utility Services Authority
Mayor and Council, City of Glenpool

From: David Agbetunsin, Chief Operations Officer

Meeting Date: August 3, 2026

Department/Office: Administration

Item Name:

Summary:

Background

The City of Glenpool, through the Glenpool Utility Services Authority (GUSA), entered a construction contract with Crossland Heavy Contractors for improvements to the Glenpool Wastewater Treatment Plant (WWTP). Construction officially commenced in accordance with the Notice to Proceed issued on January 15, 2025. This is the 18th pay application submitted by the contractor for work completed to date.

The work covered to date is reflected in the attached pay application. Pay Application No. 18 has been reviewed by the project engineer, Garver, and city staff. The amount due to be paid to Crossland Heavy Contractors to date is **\$1,309,567.93**

Pay application #18	\$1,309,567.93
Total Paid to date	\$42,873,722.42
The original contract sum	\$58,809,985.00
The balance to finish including retainage	\$14,626,694.65

The contractor is in good standing, and there are no known issues or disputes currently. Upon Council approval, this pay application will be submitted to the Oklahoma Water Resources Board (OWRB) for reimbursement under the financing agreement. Pay application #18 from Crossland heavy Contractors is attached to this report for review.

The ARPA funds have been fully spent, and the deadline has been met. The remaining construction costs will be expensed from the Clean Water State Revolving Fund (CWSRF) loan.

Recommended Action:

Staff recommends that the GUSA Board approve Pay Application #18 from Crossland Heavy Contractors in total amount of **\$1,309,567.93** and authorize submission of this application to the

OWRB for reimbursement.

Budget:

Attachments:

1. Glenpool WWTP Improvements - Pay Application No. 18 - Signed
2. Glenpool WWTP Payroll Compliance Letter Pay App 18
3. Glenpool ORF-23-0055-CW Pay Request Spreadsheet (ORF-271)

DATE: 7/13/2026

RE: WARNING REGARDING OWNER EFT PAYMENTS ON THIS PROJECT

Dear Owner:

ELECTRONIC FUNDS TRANSFER FRAUD ADVISORY; PAYMENT INSTRUCTIONS:

Electronic funds transfer ("EFT") fraud is on the rise. If you receive an email or other message containing EFT transfer instructions on this project, regardless of the purported sender, it is very likely an attempted scam. **Do not follow the instructions and do not respond to the email.** Examples of email scams include messages that appear to be from someone at Crossland Heavy Contractors but are not. For example, the email may be from "heavy_contractors.com" or "heavyc0ntractors.com" rather than "heavycontractors.com". If you have any questions about any email or other message you have received concerning payments on this project, please call our office headquarters in Columbus Kansas and ask to speak directly with Matt Kitchen, Treasury Manager - Office phone: 620-429-1414/Cell: 620-210-2038, or Holly Rhodes, Controller - Cell: 620-762-0928.

Please also advise all of your employees or agents who are or may in the future be involved in making payments on this project of this warning. Any one person on your team who is not aware of this danger could cause payments to be transferred to a scammer. All payments made by any form of EFT, including but not limited to wire transfer or ACH, must be made by using instructions that were provided to you separately prior to or at the time the Project Contract for Construction was executed by you and Crossland Heavy Contractors, Inc. **This information will not change for the duration of the contract unless via change order executed by both parties.**

Because Crossland will expect payments on the Project per the Contract terms regardless of payments made to scammers, you may want to consider this issue in your overall risk management considerations and make sure your insurance products cover any cyber risk to funding this project.

In the event you make project payments by check, please send checks to the following address. **This information will not change for the duration of the contract unless via change order executed by both parties:**

Crossland Heavy Contractors, Inc.
Attn: Accounts Receivable
501 S. East Ave.,
P.O. Box 350
Columbus, KS 66725

Please let us know if you have any questions.

Sincerely,

Application and Certificate For Payment

Page 1

To Owner: CITY OF GLENPOOL PO BOX 70 GLENPOOL, OK 74033	Project: GLENPOOL WWTP 11 E 136TH PL GLENPOOL, OK 74033	Application No: 18 Date: 07/13/2026 Period To: 07/13/26 Architect's Project No: Contract Date:
From (Contractor): CROSSLAND HEAVY CONTRACTORS, I P.O. BOX 350 COLUMBUS, KS 66725	Contractor Job Number: OK2427SPHB Via (Architect): GARVER #2300438	
Phone: 620 429-1410	Contract For:	

Contractor's Application For Payment

Change Order Summary	Additions	Deductions
Change orders approved in previous months by owner		-71,028.65
Number	Date Approved	
Change orders approved this month		
Totals		
Net change by change orders	-71,028.65	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information, and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor: [Signature]
By: [Signature] Date: 7/13/26
State of: Kansas County of: Cherokee
Subscribed and sworn to before me this 13 day of July, 2026 (year). Notary public: Denise Lucian
My commission expires 12-21-29

DENISE LUCIAN
Notary Public - State of Kansas
My Appt. Expires 12-21-29

Original contract sum	58,881,013.65
Net change by change orders	-71,028.65
Contract sum to date	58,809,985.00
Total completed and stored to date	49,092,544.83
Retainage	
10.0% of completed work	4,909,254.48
0.0% of stored material	0.00
Total retainage	4,909,254.48
Total earned less retainage	44,183,290.35
Less previous certificates of payment	42,873,722.42
0.000% of taxable amount	0.00
Current sales tax	0.00
Current payment due	1,309,567.93
Balance to finish, including retainage	14,626,694.65

Architect's Certificate for Payment

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the Amount Certified.

Amount Certified: \$ 1,309,567.93

Architect:
By: Thomas M. Whick Date: 07/27/26

This Certification is not negotiable. The Amount Certified is payable only to the Contractor named herein. Issuance, payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Application and Certificate For Payment -- page 2

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
1 ALL WORK AS DEFINED IN CONTRAC														
001	**MOBILIZATION / DEMOBILIZATION**	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
002	BONDS & INSURANCE	0.0000		.00 LS	760,000.00	100.00 %	760,000.00	0.00 %	0.00	100.00 %	760,000.00	100.0	76,000.00	
003	MOBILIZATION	0.0000		.00 LS	1,565,000.00	100.00 %	1,565,000.00	0.00 %	0.00	100.00 %	1,565,000.00	100.0	156,500.00	
004	PROJECT SIGN	0.0000		.00 LS	2,000.00	100.00 %	2,000.00	0.00 %	0.00	100.00 %	2,000.00	100.0	200.00	
005	DEMOBILIZATION	0.0000		.00 LS	300,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
006	**SURVEYING/QUALITY CONTROL**	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
007	PROJECT MANAGEMENT SOFTWARE	0.0000		.00 LS	90,000.00	100.00 %	90,000.00	0.00 %	0.00	100.00 %	90,000.00	100.0	9,000.00	
008	CONSTRUCTION STAKING	0.0000		.00 LS	200,000.00	75.00 %	150,000.00	0.00 %	0.00	75.00 %	150,000.00	75.0	15,000.00	
009	MATERIAL TESTING	0.0000		.00 LS	200,000.00	65.00 %	130,000.00	5.00 %	10,000.00	70.00 %	140,000.00	70.0	14,000.00	
010	PLANT START-UP INCL CHEMICALS - 30 DAY	0.0000		.00 LS	145,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
011	PIPE SUPPORT ENGINEERING	0.0000		.00 LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
012	**INTEGRATION & CONTROLS**	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
013	INSTRUMENTATION, CONTROLS, & PROGRAMMING	0.0000		.00 LS	1,275,000.00	76.44 %	974,610.00	0.00 %	0.00	76.44 %	974,610.00	76.4	97,461.00	
014	**05 SITE**	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
015	*SWPPP*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
016	NOI/SWPPP MAINTENANCE	0.0000		.00 LS	10,000.00	50.00 %	5,000.00	0.00 %	0.00	50.00 %	5,000.00	50.0	500.00	
017	CONSTRUCTION ENTRANCES	0.0000		.00 LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
018	SILT FENCE	0.0000		.00 LS	20,000.00	50.00 %	10,000.00	0.00 %	0.00	50.00 %	10,000.00	50.0	1,000.00	
019	BARRICADE WETLANDS AREAS	0.0000		.00 LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
020	*DEMOLITION*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
021	*SITE PLAN SHEET 18*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
022	KEY NOTE B - CONCRETE PAD	0.0000		.00 LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
023	KEY NOTE C - GRAVEL/ ASPHALT	0.0000		.00 LS	50,000.00	50.00 %	25,000.00	50.00 %	25,000.00	100.00 %	50,000.00	100.0	5,000.00	
024	KEY NOTE D - FENCE	0.0000		.00 LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
025	KEY NOTE E - CONTACT BASIN VAULTS	0.0000		.00 LS	20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
026	KEY NOTE F - CLEAR & GRUB	0.0000		.00 LS	60,000.00	100.00 %	60,000.00	0.00 %	0.00	100.00 %	60,000.00	100.0	6,000.00	
027	KEY NOTE G - LIFT STATION	0.0000		.00 LS	20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
028	KEY NOTE H - BUILDING	0.0000		.00 LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
029	KEY NOTE I - BOLLARD & SIGN	0.0000		.00 LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
030	KEY NOTE J - CONCRETE & OUTLET PAD	0.0000		.00 LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
031	KEY NOTE K - STORM INLETS	0.0000		.00 LS	6,000.00	100.00 %	6,000.00	0.00 %	0.00	100.00 %	6,000.00	100.0	600.00	

Application and Certificate For Payment -- page 3

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
032	KEY NOTE L - EFFLUENT FLOW METER	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
033	KEY NOTE M - FLUME/ HEADWORKS/PUMP STATION	0.0000	.00	LS	100,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
034	KEY NOTE N - CLARIFIERS	0.0000	.00	LS	125,000.00	100.00 %	125,000.00	0.00 %	0.00	100.00 %	125,000.00	100.0	12,500.00	
035	KEY NOTE O - OXIDATION DITCH	0.0000	.00	LS	400,000.00	100.00 %	400,000.00	0.00 %	0.00	100.00 %	400,000.00	100.0	40,000.00	
036	KEY NOTE P - SHED	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
037	KEY NOTE Q - GENERATORS/TRANSFORMERS	0.0000	.00	LS	6,000.00	50.00 %	3,000.00	0.00 %	0.00	50.00 %	3,000.00	50.0	300.00	
038	KEY NOTE R - LAGOON EQUIPMENT	0.0000	.00	LS	20,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
039	KEY NOTE S - LAGOON EFFLUENT STRUCTURE PIPING	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
040	KEY NOTE U - REMOVE FENCE	0.0000	.00	LS	15,000.00	40.00 %	6,000.00	0.00 %	0.00	40.00 %	6,000.00	40.0	600.00	
041	*SITE YARD PIPING PLAN SHEET 46"	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
042	KEY NOTE A - STORM PIPE	0.0000	.00	LS	20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
043	KEY NOTE A - STORM MATERIALS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
044	KEY NOTE B - ABANDON 18" PE LINE	0.0000	.00	LS	8,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
045	KEY NOTE C - CHLORINE CONTACT REACTOR	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
046	KEY NOTE C - BYPASS LINE	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
047	KEY NOTE D - LIFT STATION	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
048	KEY NOTE D - PROCESS DRAIN LINES	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
049	KEY NOTE E - STORM DRAIN	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
050	KEY NOTE F - WATER LINES	0.0000	.00	LS	3,000.00	100.00 %	3,000.00	0.00 %	0.00	100.00 %	3,000.00	100.0	300.00	
051	KEY NOTE G - SUMP DRAIN LINES	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
052	KEY NOTE H - RAW SEWAGE LINES	0.0000	.00	LS	10,000.00	25.00 %	2,500.00	0.00 %	0.00	25.00 %	2,500.00	25.0	250.00	
053	KEY NOTE I - 12" FORCE MAIN	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
054	KEY NOTE J/M - GAS LINES	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
055	KEY NOTE K - INFLUENT LINES	0.0000	.00	LS	8,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
056	KEY NOTE L - VALVES AT METER VAULTS	0.0000	.00	LS	10,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
057	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
058	HEADWORKS SIDEWALK	0.0000	.00	LS	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.00 %	5,000.00	100.0	500.00	
059	SBR SIDEWALK	0.0000	.00	LS	15,000.00	90.00 %	13,500.00	10.00 %	1,500.00	100.00 %	15,000.00	100.0	1,500.00	
060	UV SIDEWALK	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
061	DIGESTER SIDEWALK	0.0000	.00	LS	3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
062	SOLIDS DEWATERING SIDEWALK	0.0000	.00	LS	8,000.00	90.00 %	7,200.00	10.00 %	800.00	100.00 %	8,000.00	100.0	800.00	

Application and Certificate For Payment -- page 4

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18
 Contractor's Job Number:
 Architect's Project No:

Date: 07/13/26
 OK2427SPHB

Period To: 07/13/26

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
063	ADMIN. SIDEWALK	0.0000	.00	LS	8,000.00	90.00 %	7,200.00	10.00 %	800.00	100.00 %	8,000.00	100.0	800.00	
064	MAINT. BLDG SIDEWALK	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
065	ELEC BLDG SIDEWALK	0.0000	.00	LS	9,000.00	90.00 %	8,100.00	10.00 %	900.00	100.00 %	9,000.00	100.0	900.00	
066	BOX CULVERT WING WALLS	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
067	ENTRANCE GATE PEDESTALS	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
068	TRANSFORMER PADS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
069	GRINDER PUMP STA / VAULT SLABS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
070	STORM PUMP STA / VAULT SLABS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
071	YARD HYDRANT SLABS	0.0000	.00	LS	3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
072	FRP PIPE SUPPORTS	0.0000	.00	LS	5,000.00	0.00 %	0.00	80.00 %	4,000.00	80.00 %	4,000.00	80.0	400.00	
073	METER VAULT SUMP SLABS	0.0000	.00	LS	20,000.00	90.00 %	18,000.00	0.00 %	0.00	90.00 %	18,000.00	90.0	1,800.00	
074	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
075	SITE BALLARDS	0.0000	.00	LS	35,000.00	50.00 %	17,500.00	50.00 %	17,500.00	100.00 %	35,000.00	100.0	3,500.00	
076	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
077	YARD PIPE, BOLLARDS, MANHOLE COATINGS	0.0000	.00	LS	35,000.00	50.00 %	17,500.00	0.00 %	0.00	50.00 %	17,500.00	50.0	1,750.00	
078	*PLUMBING*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
079	GAS LINES	0.0000	.00	LS	30,000.00	95.00 %	28,500.00	5.00 %	1,500.00	100.00 %	30,000.00	100.0	3,000.00	
080	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
081	ELECTRICAL MOBILIZATION	0.0000	.00	LS	140,000.00	100.00 %	140,000.00	0.00 %	0.00	100.00 %	140,000.00	100.0	14,000.00	
082	TEMPORARY ELECTRIC	0.0000	.00	LS	125,000.00	100.00 %	125,000.00	0.00 %	0.00	100.00 %	125,000.00	100.0	12,500.00	
083	SITE ELECTRICAL	0.0000	.00	LS	2,025,000.00	97.00 %	1,964,250.00	1.40 %	28,350.00	98.40 %	1,992,600.00	98.4	199,260.00	
084	GENERATOR	0.0000	.00	LS	1,260,000.00	100.00 %	1,260,000.00	0.00 %	0.00	100.00 %	1,260,000.00	100.0	126,000.00	
085	GENERATOR TESTING	0.0000	.00	LS	50,000.00	50.00 %	25,000.00	50.00 %	25,000.00	100.00 %	50,000.00	100.0	5,000.00	
086	GENERATOR GROUNDING	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
087	PULL BOX CONCRETE APRONS	0.0000	.00	LS	15,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
088	LIGHT POLE BASES	0.0000	.00	LS	30,000.00	85.00 %	25,500.00	0.00 %	0.00	85.00 %	25,500.00	85.0	2,550.00	
089	STORMWATER PS	0.0000	.00	LS	32,000.00	75.00 %	24,000.00	0.00 %	0.00	75.00 %	24,000.00	75.0	2,400.00	
090	GRINDER PS	0.0000	.00	LS	32,000.00	75.00 %	24,000.00	25.00 %	8,000.00	100.00 %	32,000.00	100.0	3,200.00	
091	METER VAULTS	0.0000	.00	LS	70,000.00	28.50 %	19,950.00	0.00 %	0.00	28.50 %	19,950.00	28.5	1,995.00	
092	GENERAL ELECTRICAL TESTING	0.0000	.00	LS	60,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
093	GENERAL ELECTRICAL DEMO	0.0000	.00	LS	110,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
094	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
095	EARTHWORK SUB MOBILIZATION	0.0000	.00	LS	170,000.00	100.00 %	170,000.00	0.00 %	0.00	100.00 %	170,000.00	100.0	17,000.00	

Application and Certificate For Payment -- page 5

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
096	STRIP TOPSOIL	0.0000	.00	LS	60,000.00	100.00 %	60,000.00	0.00 %	0.00	100.00 %	60,000.00	100.0	6,000.00	
097	REPLACE TOPSOIL	0.0000	.00	LS	60,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
098	SITE CUT/FILL	0.0000	.00	LS	400,000.00	60.00 %	240,000.00	20.00 %	80,000.00	80.00 %	320,000.00	80.0	32,000.00	
099	GEO GRID	0.0000	.00	LS	85,000.00	70.00 %	59,500.00	25.00 %	21,250.00	95.00 %	80,750.00	95.0	8,075.00	
100	AGG IN LIEU OF SOIL STABILIZATION	0.0000	.00	LS	175,000.00	75.00 %	131,250.00	20.00 %	35,000.00	95.00 %	166,250.00	95.0	16,625.00	
101	DETAILED AGG FOR PAVEMENT	0.0000	.00	LS	205,000.00	65.00 %	133,250.00	25.00 %	51,250.00	90.00 %	184,500.00	90.0	18,450.00	
102	ANIMAL SHELTER ACCESS ROAD	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
103	RIP RAP - SHEET 35	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
104	RIP RAP - SHEET 30	0.0000	.00	LS	15,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
105	*EXTERIOR IMPROVEMENTS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
106	CUT SHAPE V BOTTOM DITCHES	0.0000	.00	LS	30,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
107	CONCRETE CURB & GUTTER	0.0000	.00	LS	20,000.00	0.00 %	0.00	50.00 %	10,000.00	50.00 %	10,000.00	50.0	1,000.00	
108	6" CONCRETE PAVING	0.0000	.00	LS	1,000,000.00	0.00 %	0.00	10.00 %	100,000.00	10.00 %	100,000.00	10.0	10,000.00	
109	PARKING BUMPERS	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
110	ADMIN. IRRIGATION SYSTEM	0.0000	.00	LS	15,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
111	SOD	0.0000	.00	LS	225,000.00	10.00 %	22,500.00	0.00 %	0.00	10.00 %	22,500.00	10.0	2,250.00	
112	STRIPING/SIGNAGE SUB	0.0000	.00	LS	10,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
113	GENERAL TRAFFIC CONTROL	0.0000	.00	LS	25,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
114	*UTILITIES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
115	*STORM SYSTEM*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
116	36" RCP	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
117	30" RCP	0.0000	.00	LS	45,000.00	100.00 %	45,000.00	0.00 %	0.00	100.00 %	45,000.00	100.0	4,500.00	
118	24" RCP	0.0000	.00	LS	65,000.00	100.00 %	65,000.00	0.00 %	0.00	100.00 %	65,000.00	100.0	6,500.00	
119	18" RCP	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
120	36" HEADWALLS	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
121	30" HEADWALLS	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
122	24" HEADWALLS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
123	JUNCTION BOXES	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
124	AREA INLETS	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
125	4" OUTLET PROTECTION	0.0000	.00	LS	3,000.00	100.00 %	3,000.00	0.00 %	0.00	100.00 %	3,000.00	100.0	300.00	
126	10X4 RCB CULVERT	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
127	PRECAST TRENCH DRAIN	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
128	*SANITARY SEWER MANHOLES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	

Application and Certificate For Payment -- page 6

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
129	SS MANHOLES	0.0000	.00	LS	35,000.00	95.00 %	33,250.00	0.00 %	0.00	95.00 %	33,250.00	95.0	3,325.00	
130	VACCUUM TEST	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
131	*METER VAULTS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
132	METER VAULT (16" FORCE MAIN)	0.0000	.00	LS	28,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
133	METER VAULT (24" SANITARY SEWER)	0.0000	.00	LS	28,000.00	95.00 %	26,600.00	0.00 %	0.00	95.00 %	26,600.00	95.0	2,660.00	
134	FLOW METER VAULT (24" RS)	0.0000	.00	LS	32,000.00	80.00 %	25,600.00	0.00 %	0.00	80.00 %	25,600.00	80.0	2,560.00	
135	VALVE VAULT (24" RS LINE)	0.0000	.00	LS	32,000.00	80.00 %	25,600.00	0.00 %	0.00	80.00 %	25,600.00	80.0	2,560.00	
136	VALVE VAULT (24" RS)	0.0000	.00	LS	24,000.00	80.00 %	19,200.00	0.00 %	0.00	80.00 %	19,200.00	80.0	1,920.00	
137	SBR FLOW METER VAULT	0.0000	.00	LS	30,000.00	90.00 %	27,000.00	0.00 %	0.00	90.00 %	27,000.00	90.0	2,700.00	
138	SBR VALVE VAULT	0.0000	.00	LS	30,000.00	90.00 %	27,000.00	0.00 %	0.00	90.00 %	27,000.00	90.0	2,700.00	
139	VACUUM TEST VAULTS	0.0000	.00	LS	7,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
140	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
141	RELOCATE 10" FM	0.0000	.00	LS	30,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
142	24" RS LINE - FEB TO INFLUENT PS	0.0000	.00	LS	115,000.00	50.00 %	57,500.00	0.00 %	0.00	50.00 %	57,500.00	50.0	5,750.00	
143	24" RS LINE - HEADWORKS TO INFLUENT PS	0.0000	.00	LS	50,000.00	80.00 %	40,000.00	0.00 %	0.00	80.00 %	40,000.00	80.0	4,000.00	
144	16"/20" RS LINE - INFLUENT PS TO SBR	0.0000	.00	LS	150,000.00	95.00 %	142,500.00	0.00 %	0.00	95.00 %	142,500.00	95.0	14,250.00	
145	20" RS LINE	0.0000	.00	LS	45,000.00	100.00 %	45,000.00	0.00 %	0.00	100.00 %	45,000.00	100.0	4,500.00	
146	24" SE LINE - POST EQ TO UV	0.0000	.00	LS	160,000.00	100.00 %	160,000.00	0.00 %	0.00	100.00 %	160,000.00	100.0	16,000.00	
147	16" FM	0.0000	.00	LS	155,000.00	0.00 %	0.00	25.00 %	38,750.00	25.00 %	38,750.00	25.0	3,875.00	
148	6" WAS LINE	0.0000	.00	LS	32,000.00	100.00 %	32,000.00	0.00 %	0.00	100.00 %	32,000.00	100.0	3,200.00	
149	6" DS LINE	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
150	6" W3 LINE	0.0000	.00	LS	75,000.00	90.00 %	67,500.00	0.00 %	0.00	90.00 %	67,500.00	90.0	6,750.00	
151	2" W3 LINE	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
152	24"/30" SS	0.0000	.00	LS	85,000.00	95.00 %	80,750.00	0.00 %	0.00	95.00 %	80,750.00	95.0	8,075.00	
153	6" PD LINE	0.0000	.00	LS	65,000.00	100.00 %	65,000.00	0.00 %	0.00	100.00 %	65,000.00	100.0	6,500.00	
154	12" PD LINE	0.0000	.00	LS	125,000.00	95.00 %	118,750.00	0.00 %	0.00	95.00 %	118,750.00	95.0	11,875.00	
155	8" PD LINE	0.0000	.00	LS	150,000.00	100.00 %	150,000.00	0.00 %	0.00	100.00 %	150,000.00	100.0	15,000.00	
156	4" PD LINE	0.0000	.00	LS	55,000.00	100.00 %	55,000.00	0.00 %	0.00	100.00 %	55,000.00	100.0	5,500.00	
157	6" DRAIN LINES	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
158	2" PD LINE	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
159	4" W3 LINE	0.0000	.00	LS	35,000.00	50.00 %	17,500.00	0.00 %	0.00	50.00 %	17,500.00	50.0	1,750.00	
160	3" W3 LINE	0.0000	.00	LS	22,000.00	90.00 %	19,800.00	0.00 %	0.00	90.00 %	19,800.00	90.0	1,980.00	

Application and Certificate For Payment -- page 7

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
161	1.5" W3 LINE	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
162	1.5" W1 PW	0.0000	.00	LS	32,000.00	100.00 %	32,000.00	0.00 %	0.00	100.00 %	32,000.00	100.0	3,200.00	
163	2" W3 LINE	0.0000	.00	LS	9,000.00	100.00 %	9,000.00	0.00 %	0.00	100.00 %	9,000.00	100.0	900.00	
164	FIRE HYDRANT ASSEM.	0.0000	.00	LS	16,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
165	1" HYPO LINE	0.0000	.00	LS	6,000.00	0.00 %	0.00	50.00 %	3,000.00	50.00 %	3,000.00	50.0	300.00	
166	4" STORM FM	0.0000	.00	LS	20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
167	BYPASS INFLUENT PUMP STATION	0.0000	.00	LS	60,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
168	BYPASS SS MH U01-01	0.0000	.00	LS	30,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
169	BYPASS 16" FM	0.0000	.00	LS	20,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
170	PIPE INSULATION & HEAT TRACE (ALL)	0.0000	.00	LS	250,000.00	40.00 %	100,000.00	10.00 %	25,000.00	50.00 %	125,000.00	50.0	12,500.00	
171	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
172	STORM WATER PUMP STATION	0.0000	.00	LS	75,000.00	95.00 %	71,250.00	0.00 %	0.00	95.00 %	71,250.00	95.0	7,125.00	
173	GRINDER PUMP STATION	0.0000	.00	LS	75,000.00	95.00 %	71,250.00	0.00 %	0.00	95.00 %	71,250.00	95.0	7,125.00	
174	SLIDE GATE (S05-02)	0.0000	.00	LS	18,000.00	90.00 %	16,200.00	0.00 %	0.00	90.00 %	16,200.00	90.0	1,620.00	
175	SUMP PUMPS - METER VAULTS	0.0000	.00	LS	10,000.00	0.00 %	0.00	85.00 %	8,500.00	85.00 %	8,500.00	85.0	850.00	
176	**15 HEADWORKS COMPLEX**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
177	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
178	*HEADWORKS STRUCTURE**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
179	VORTEX SLAB (ELEV 662.83)	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
180	VORTEX RADIUS WALLS (ELEV 668.33)	0.0000	.00	LS	16,000.00	100.00 %	16,000.00	0.00 %	0.00	100.00 %	16,000.00	100.0	1,600.00	
181	VORTEX SLAB (ELEV 669.5)	0.0000	.00	LS	18,000.00	100.00 %	18,000.00	0.00 %	0.00	100.00 %	18,000.00	100.0	1,800.00	
182	VORTEX WALLS (ELEV 672.5)	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
183	VORTEX SLAB (ELEV 672)	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
184	SLAB AT ELEV. (673.5 W/SLOPED PORTION)	0.0000	.00	LS	66,000.00	100.00 %	66,000.00	0.00 %	0.00	100.00 %	66,000.00	100.0	6,600.00	
185	VORTEX RADIUS WALLS (ELEV 680.5)	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
186	SLOPED SOFFIT SLAB	0.0000	.00	LS	7,000.00	100.00 %	7,000.00	0.00 %	0.00	100.00 %	7,000.00	100.0	700.00	
187	WALLS (ELEV 679.5)	0.0000	.00	LS	135,000.00	100.00 %	135,000.00	0.00 %	0.00	100.00 %	135,000.00	100.0	13,500.00	
188	WALLS (ELEV 680.5)	0.0000	.00	LS	110,000.00	100.00 %	110,000.00	0.00 %	0.00	100.00 %	110,000.00	100.0	11,000.00	
189	GRIT VORTEX BEAM	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
190	CHANNEL SLAB (ELEV 680.5)	0.0000	.00	LS	18,000.00	100.00 %	18,000.00	0.00 %	0.00	100.00 %	18,000.00	100.0	1,800.00	
191	GROUT VORTEX AREA	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
192	WATER TIGHTNESS TESTING	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	

Application and Certificate For Payment -- page 8

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Date: 07/13/26
 Period To: 07/13/26

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
193	*HEADWORKS BLDG*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
194	SPREAD FOOTING	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
195	STEM WALLS	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
196	SLAB (ELEV 680.5)	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
197	EQUIPMENT PADS	0.0000	.00	LS	3,000.00	0.00 %	0.00	100.00 %	3,000.00	100.00 %	3,000.00	100.0	300.00	
198	BEAMS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
199	GROUT TRENCH	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
200	*VAC. RECEIVING AREA*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
201	SLAB (ELEV. 677.6)	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
202	SLAB/WALL (ELEV. 679.5)	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
203	SLAB (ELEV. 680.75)	0.0000	.00	LS	18,000.00	100.00 %	18,000.00	0.00 %	0.00	100.00 %	18,000.00	100.0	1,800.00	
204	WALLS (ELEV 683.7 & 685.33)	0.0000	.00	LS	16,000.00	100.00 %	16,000.00	0.00 %	0.00	100.00 %	16,000.00	100.0	1,600.00	
205	CURB/UPPER PORTION OF VACTOR BEAM	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
206	GROUT VAC RECEIVING	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
207	*MISC CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
208	HVAC PAD	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
209	DOOR STOOPS	0.0000	.00	LS	18,000.00	100.00 %	18,000.00	0.00 %	0.00	100.00 %	18,000.00	100.0	1,800.00	
210	PAD AROUND TOP OF GRIT VORTEX	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
211	*MASONRY*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
212	MASONRY	0.0000	.00	LS	225,000.00	100.00 %	225,000.00	0.00 %	0.00	100.00 %	225,000.00	100.0	22,500.00	
213	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
214	BOLLARDS	0.0000	.00	LS	2,000.00	0.00 %	0.00	100.00 %	2,000.00	100.00 %	2,000.00	100.0	200.00	
215	MOUNTED PIPE BOLALRDS	0.0000	.00	LS	3,500.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
216	MANUAL BAR SCREEN	0.0000	.00	LS	20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
217	DUMPSTER EMBEDS	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
218	ALUMINUM SUPPORT CHANNEL	0.0000	.00	LS	30,000.00	50.00 %	15,000.00	50.00 %	15,000.00	100.00 %	30,000.00	100.0	3,000.00	
219	SUPPORT ANGLE	0.0000	.00	LS	5,000.00	50.00 %	2,500.00	50.00 %	2,500.00	100.00 %	5,000.00	100.0	500.00	
220	CHECKER PLATE	0.0000	.00	LS	15,000.00	50.00 %	7,500.00	45.00 %	6,750.00	95.00 %	14,250.00	95.0	1,425.00	
221	VAC RECEIVING GRATING	0.0000	.00	LS	3,000.00	100.00 %	3,000.00	0.00 %	0.00	100.00 %	3,000.00	100.0	300.00	
222	TRENCH DRAIN GRATING	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
223	LINTELS	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
224	SS PLATES AT PIPE OPENINGS	0.0000	.00	LS	4,000.00	0.00 %	0.00	95.00 %	3,800.00	95.00 %	3,800.00	95.0	380.00	
225	CONTINUOUS EMBED BEARING PLATE	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	

Application and Certificate For Payment -- page 9

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
226	ROOF JOISTS & DECKING	0.0000	.00	LS	200,000.00	100.00 %	200,000.00	0.00 %	0.00	100.00 %	200,000.00	100.0	20,000.00	
227	*THERMAL & MOISTURE PROTECTION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
228	WATER REPELLANT	0.0000	.00	LS	10,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
229	FLUID APPLIED MEMBRANE	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
230	JOINT SEALANTS	0.0000	.00	LS	12,000.00	80.00 %	9,600.00	0.00 %	0.00	80.00 %	9,600.00	80.0	960.00	
231	ROOFING SUB	0.0000	.00	LS	165,000.00	80.00 %	132,000.00	20.00 %	33,000.00	100.00 %	165,000.00	100.0	16,500.00	
232	*OPENINGS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
233	FRP DOORS	0.0000	.00	LS	25,000.00	95.00 %	23,750.00	0.00 %	0.00	95.00 %	23,750.00	95.0	2,375.00	
234	WINDOWS	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
235	OVERHEAD DOOR	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
236	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
237	COATINGS - INTERIOR PIPING - BLDG	0.0000	.00	LS	55,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
238	COATINGS - CONCRETE	0.0000	.00	LS	100,000.00	100.00 %	100,000.00	0.00 %	0.00	100.00 %	100,000.00	100.0	10,000.00	
239	*SPECIALTIES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
240	SIGNAGE/SPLASH BLOCKS	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
241	*PLUMBING/HVAC*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
242	ROUGH-IN PLUMBING	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
243	FINISH PLUMBING	0.0000	.00	LS	80,000.00	32.00 %	25,600.00	63.00 %	50,400.00	95.00 %	76,000.00	95.0	7,600.00	
244	HVAC	0.0000	.00	LS	50,000.00	80.00 %	40,000.00	15.00 %	7,500.00	95.00 %	47,500.00	95.0	4,750.00	
245	TESTING & BALANCING	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
246	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
247	ELECTRICAL SYSTEM	0.0000	.00	LS	525,000.00	65.11 %	341,827.50	20.91 %	109,777.50	86.02 %	451,605.00	86.0	45,160.50	
248	GROUNDING	0.0000	.00	LS	12,000.00	10.00 %	1,200.00	0.00 %	0.00	10.00 %	1,200.00	10.0	120.00	
249	LIGHTING & PROTECTION	0.0000	.00	LS	20,000.00	50.00 %	10,000.00	0.00 %	0.00	50.00 %	10,000.00	50.0	1,000.00	
250	INSTALL INSTRUMENTS	0.0000	.00	LS	4,000.00	0.00 %	0.00	50.00 %	2,000.00	50.00 %	2,000.00	50.0	200.00	
251	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
252	EXCAVATION	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
253	AGG BASE	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
254	FLOW FILL UNDER SLAB	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
255	SAND IN-FILL	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
256	BACKFILL	0.0000	.00	LS	5,000.00	80.00 %	4,000.00	0.00 %	0.00	80.00 %	4,000.00	80.0	400.00	
257	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
258	4" DIP GS LINE	0.0000	.00	LS	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.00 %	50,000.00	100.0	5,000.00	

Application and Certificate For Payment -- page 10

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
259	2"3" PVC W3 LINE	0.0000	.00	LS	16,000.00	0.00 %	0.00	90.00 %	14,400.00	90.00 %	14,400.00	90.0	1,440.00	
260	6" TRANSDUCER MOUNTS	0.0000	.00	LS	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.00 %	8,000.00	100.0	800.00	
261	PIPE LABELS	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
262	*MATERIAL PROCESS & HANDLING EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
263	FLOOR MOUNTED WINCH	0.0000	.00	LS	70,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
264	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
266	SCREEN PACKAGE - SUBMITTALS	0.0000	.00	LS	134,000.00	100.00 %	134,000.00	0.00 %	0.00	100.00 %	134,000.00	100.0	13,400.00	
267	INSTALL SLIDE GATES	0.0000	.00	LS	205,000.00	100.00 %	205,000.00	0.00 %	0.00	100.00 %	205,000.00	100.0	20,500.00	
268	SLIDE GATE START-UP	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
269	INSTALL TOP MOUNTED CENTRIFUGAL PUMPS	0.0000	.00	LS	3,000.00	90.00 %	2,700.00	10.00 %	300.00	100.00 %	3,000.00	100.0	300.00	
270	TOP MOUNTED CENTRIFUGAL PUMPS -STARTUP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
271	INSTALL MECHANICAL SCREEN SYSTEM	0.0000	.00	LS	315,000.00	100.00 %	315,000.00	0.00 %	0.00	100.00 %	315,000.00	100.0	31,500.00	
272	MECHANICAL SCREEN SYSTEM - START-UP	0.0000	.00	LS	4,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
273	INSTALL DUMPSTER	0.0000	.00	LS	10,000.00	50.00 %	5,000.00	0.00 %	0.00	50.00 %	5,000.00	50.0	500.00	
274	INSTALL WASHER COMPACTOR & DISCHARGE SHOOT	0.0000	.00	LS	110,000.00	100.00 %	110,000.00	0.00 %	0.00	100.00 %	110,000.00	100.0	11,000.00	
275	WASHER COMPACTOR START-UP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
276	INSTALL GRIT VORTEX UNITS	0.0000	.00	LS	105,000.00	95.00 %	99,750.00	0.00 %	0.00	95.00 %	99,750.00	95.0	9,975.00	
277	INSTALL GRIT VORTEX UNITS - START-UP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
278	INSTALL GRIT CLASSIFIER/ CONVEYOR	0.0000	.00	LS	130,000.00	48.00 %	62,400.00	52.00 %	67,600.00	100.00 %	130,000.00	100.0	13,000.00	
279	INSTALL GRIT CLASSIFIER/ CONVEYOR - START-UP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
280	**20 INFLUENT PUMP STATION & ASSOCIATED VALVE VAULTS**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
281	*DEMO*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
282	CLEAN PUMP STATION	0.0000	.00	LS	25,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
283	DEMO PUMPS & PIPING	0.0000	.00	LS	20,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
284	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
285	NEW PAD @ INFLUENT PUMP STATION	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
286	WATER TIGHTNESS TESTING - EXISTING STRUCTURE	0.0000	.00	LS	10,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
287	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
288	GALVANIZED TROLLY STOP/CABLE HOLDERS	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
289	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	

Application and Certificate For Payment -- page 11

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Date: 07/13/26
 Period To: 07/13/26

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
290	COATINGS	0.0000	.00	LS	65,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
291	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
292	PUMP STATION ELECTRICAL	0.0000	.00	LS	160,000.00	46.15 %	73,840.00	12.50 %	20,000.00	58.65 %	93,840.00	58.7	9,384.00	
293	METER VAULTS ELECTRICAL	0.0000	.00	LS	80,000.00	85.07 %	68,056.00	0.00 %	0.00	85.07 %	68,056.00	85.1	6,805.60	
294	INSTALL INSTRUMENTS	0.0000	.00	LS	4,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
295	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
296	INFLUENT PUMP STATION	0.0000	.00	LS	75,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
297	FEB VALVE MANHOLE	0.0000	.00	LS	72,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
298	FEB RETURN VALVE MANHOLE	0.0000	.00	LS	72,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
299	FEB FLOW METER VAULT	0.0000	.00	LS	74,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
300	SBR CONTROL VALVE MANHOLE	0.0000	.00	LS	73,000.00	0.00 %	0.00	100.00 %	73,000.00	100.00 %	73,000.00	100.0	7,300.00	
301	SBR FLOW METER VAULT	0.0000	.00	LS	74,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
302	PIPE LABEL	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
303	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
304	INSTALL SUBMERSIBLE PUMPS	0.0000	.00	LS	242,000.00	82.00 %	198,440.00	0.00 %	0.00	82.00 %	198,440.00	82.0	19,844.00	
305	INSTALL GUIDE RAILS	0.0000	.00	LS	15,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
306	SUBMERSIBLE PUMPS START UP	0.0000	.00	LS	3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
307	INSTALL ODOR CONTROL COVER	0.0000	.00	LS	55,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
308	**25 FEB MODIFICATIONS**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
309	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
310	SPREAD FOOTING	0.0000	.00	LS	325,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
311	WALLS (ELEV 684.5)	0.0000	.00	LS	375,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
312	RAW SEWAGE SUMP AREA SLAB	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
313	RAW SEWAGE SUMP AREA WALLS	0.0000	.00	LS	6,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
314	SLAB (ELEV 669.14)	0.0000	.00	LS	195,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
315	CONCRETE RAMP	0.0000	.00	LS	50,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
316	CURB - BOTTOM OF LAGOON/RAMP	0.0000	.00	LS	35,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
317	STEM WALL - TOP OF LINER-ANCHOR TRENCH	0.0000	.00	LS	15,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
318	CONSTRUCTION JOINT LINER SLAB	0.0000	.00	LS	32,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
318.1	CONCRETE LINER	0.0000	.00	LS	185,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
319	CURB - TOP OF LINER	0.0000	.00	LS	15,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
320	ELECTRICAL PADS	0.0000	.00	LS	4,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	

Application and Certificate For Payment -- page 12

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Date: 07/13/26
 Period To: 07/13/26

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
321	GROUT SUMP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
322	WATER TIGHTNESS TESTING	0.0000	.00	LS	25,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
323	*MISC METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
324	ANGLE EMBEDS @ CONSTRUCTION JOINTS	0.0000	.00	LS	20,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
325	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
326	ELECTRICAL SYSTEM	0.0000	.00	LS	105,000.00	17.00 %	17,850.00	0.00 %	0.00	17.00 %	17,850.00	17.0	1,785.00	
327	INSTALL INSTRUMENTS	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
328	PUMP VFD'S	0.0000	.00	LS	400,000.00	65.00 %	260,000.00	0.00 %	0.00	65.00 %	260,000.00	65.0	26,000.00	
329	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
330	EXCAVATE SLAB & FOOTINGS	0.0000	.00	LS	125,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
331	INSTALL AGG BASE	0.0000	.00	LS	30,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
332	BACKFILL - GRANULAR BASE	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
333	EQUIPMENT PADS	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
334	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
335	14" FLAP GATES	0.0000	.00	LS	55,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
336	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
337	INSTALL MIXER MOORING POST	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
338	INSTALL MIXERS	0.0000	.00	LS	10,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
339	MIXERS - START UP	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
340	**30 SEQUENCE BATCH REACTORS & POST EQ FOUNDATION**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
341	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
342	SUMP SLABS (ELEV 677)	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
343	SLAB (ELEV 679)	0.0000	.00	LS	140,000.00	100.00 %	140,000.00	0.00 %	0.00	100.00 %	140,000.00	100.0	14,000.00	
344	SLAB (ELEV 681)	0.0000	.00	LS	1,650,000.00	100.00 %	1,650,000.00	0.00 %	0.00	100.00 %	1,650,000.00	100.0	165,000.00	
345	WALLS (ELEV 706)	0.0000	.00	LS	2,700,000.00	100.00 %	2,700,000.00	0.00 %	0.00	100.00 %	2,700,000.00	100.0	270,000.00	
346	WALLS (ELEV 695)	0.0000	.00	LS	375,000.00	100.00 %	375,000.00	0.00 %	0.00	100.00 %	375,000.00	100.0	37,500.00	
347	VALVE BOX WALLS	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
348	SOFFIT SLAB WALKWAYS	0.0000	.00	LS	425,000.00	100.00 %	425,000.00	0.00 %	0.00	100.00 %	425,000.00	100.0	42,500.00	
349	GROUT EFFLUENT CHANNEL	0.0000	.00	LS	265,000.00	100.00 %	265,000.00	0.00 %	0.00	100.00 %	265,000.00	100.0	26,500.00	
350	PUMP SLAB	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
351	N STAIRWAY PADS	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
352	E STAIRWAY PADS	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	

Application and Certificate For Payment -- page 13

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
353	ELECTRICAL EQUIPMENT PADS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
354	BLOWER FOUNDATION SLAB	0.0000	.00	LS	160,000.00	100.00 %	160,000.00	0.00 %	0.00	100.00 %	160,000.00	100.0	16,000.00	
355	BLOWER PADS	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
356	WATER TIGHTNESS TESTING	0.0000	.00	LS	65,000.00	100.00 %	65,000.00	0.00 %	0.00	100.00 %	65,000.00	100.0	6,500.00	
357	*MASONRY*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
358	MASONRY	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
359	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
360	E STAIRS	0.0000	.00	LS	80,000.00	100.00 %	80,000.00	0.00 %	0.00	100.00 %	80,000.00	100.0	8,000.00	
361	N STAIRS	0.0000	.00	LS	90,000.00	100.00 %	90,000.00	0.00 %	0.00	100.00 %	90,000.00	100.0	9,000.00	
362	SBR WALKWAY HANDRAIL	0.0000	.00	LS	150,000.00	95.00 %	142,500.00	0.00 %	0.00	95.00 %	142,500.00	95.0	14,250.00	
363	SS LADDERS	0.0000	.00	LS	36,000.00	100.00 %	36,000.00	0.00 %	0.00	100.00 %	36,000.00	100.0	3,600.00	
364	BLOWER STRUCTURAL STEEL & DECKING	0.0000	.00	LS	200,000.00	100.00 %	200,000.00	0.00 %	0.00	100.00 %	200,000.00	100.0	20,000.00	
365	VALVE BOX LADDER	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
366	VALVE BOX HANDRAIL	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
367	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
368	SBR COATINGS	0.0000	.00	LS	75,000.00	67.00 %	50,250.00	28.00 %	21,000.00	95.00 %	71,250.00	95.0	7,125.00	
369	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
370	SBR & BLOWER ELECTRICAL SYSTEM	0.0000	.00	LS	1,600,000.00	74.14 %	1,186,240.00	9.06 %	144,960.00	83.20 %	1,331,200.00	83.2	133,120.00	
371	BLOWER STRUCTURE GROUNDING	0.0000	.00	LS	5,000.00	80.00 %	4,000.00	0.00 %	0.00	80.00 %	4,000.00	80.0	400.00	
372	INSTALL INSTRUMENTS	0.0000	.00	LS	5,000.00	0.00 %	0.00	50.00 %	2,500.00	50.00 %	2,500.00	50.0	250.00	
373	BLOWER VFD'S	0.0000	.00	LS	705,000.00	100.00 %	705,000.00	0.00 %	0.00	100.00 %	705,000.00	100.0	70,500.00	
374	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
375	SBR EXCAVATION	0.0000	.00	LS	300,000.00	100.00 %	300,000.00	0.00 %	0.00	100.00 %	300,000.00	100.0	30,000.00	
376	AGG BASE	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
377	BACKFILL	0.0000	.00	LS	40,000.00	95.00 %	38,000.00	0.00 %	0.00	95.00 %	38,000.00	95.0	3,800.00	
378	STAIRWAY LANDINGS	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
379	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
380	SS PIPING	0.0000	.00	LS	1,350,000.00	100.00 %	1,350,000.00	0.00 %	0.00	100.00 %	1,350,000.00	100.0	135,000.00	
381	20"/24" SE LINE (VAULT)	0.0000	.00	LS	250,000.00	100.00 %	250,000.00	0.00 %	0.00	100.00 %	250,000.00	100.0	25,000.00	
382	20" RS LINE	0.0000	.00	LS	225,000.00	100.00 %	225,000.00	0.00 %	0.00	100.00 %	225,000.00	100.0	22,500.00	
383	18"/20" SE LINE - POST EQ TO DECANTERS	0.0000	.00	LS	195,000.00	100.00 %	195,000.00	0.00 %	0.00	100.00 %	195,000.00	100.0	19,500.00	
384	4"/6" RAS LINE - POST EQ	0.0000	.00	LS	185,000.00	95.00 %	175,750.00	5.00 %	9,250.00	100.00 %	185,000.00	100.0	18,500.00	

Application and Certificate For Payment -- page 14

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
385	6" SCUM LINE - POST EQ	0.0000	.00	LS	235,000.00	95.00 %	223,250.00	5.00 %	11,750.00	100.00 %	235,000.00	100.0	23,500.00	
386	2" W3 LINE	0.0000	.00	LS	22,000.00	100.00 %	22,000.00	0.00 %	0.00	100.00 %	22,000.00	100.0	2,200.00	
387	PIPE LABLES	0.0000	.00	LS	3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
388	*MATERIAL PROCESS & HANDLING EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
389	PORTABLE CRANE & BASES	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
390	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
391	SBR SYSTEM - SUBMITTALS	0.0000	.00	LS	730,000.00	100.00 %	730,000.00	0.00 %	0.00	100.00 %	730,000.00	100.0	73,000.00	
392	SBR SYSTEM - PROCUREMENT	0.0000	.00	LS	2,195,000.00	100.00 %	2,195,000.00	0.00 %	0.00	100.00 %	2,195,000.00	100.0	219,500.00	
393	INSTALL POSITIVE DISPLACEMENT BLOWERS	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
394	POSITIVE DISPLACEMENT BLOWERS - START UP	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
395	INSTALL PROGRESSIVE CAVITY PUMPS	0.0000	.00	LS	9,000.00	100.00 %	9,000.00	0.00 %	0.00	100.00 %	9,000.00	100.0	900.00	
396	PROGRESSIVE CAVITY PUMPS - START UP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
397	INSTALL WET PIT SUBMERSIBLE PUMPS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
398	INSTALL GUIDE RAILS	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
399	WET PIT SUBMERSIBLE PUMPS - START UP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
400	INSTALL SBR FINE BUBBLE DIFFUSER SYSTEM	0.0000	.00	LS	300,000.00	100.00 %	300,000.00	0.00 %	0.00	100.00 %	300,000.00	100.0	30,000.00	
401	INSTALL SBR DECANTERS	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
402	INSTALL SBR FLOATING MIXERS	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
403	SBR EQUIPMENT START- UP	0.0000	.00	LS	15,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
404	**50 UV DISINFECTION**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
405	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
406	SLAB (ELEV 667.71) SBR INLET BOX	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
407	SLAB (ELEV 668) PUMP VAULT SLAB	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
408	WALLS (ELEV 677.88) PUMP VAULT WALLS	0.0000	.00	LS	60,000.00	100.00 %	60,000.00	0.00 %	0.00	100.00 %	60,000.00	100.0	6,000.00	
409	SOFFIT SLAB (ELEV 679.38)	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
410	WALLS (ELEV 678.54) SBR INLET BOX WALLS	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
411	UV CHAMBER SLAB (ELEV 671.58)	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
412	UV CHAMBER WALLS	0.0000	.00	LS	80,000.00	100.00 %	80,000.00	0.00 %	0.00	100.00 %	80,000.00	100.0	8,000.00	
413	SOFFIT SLAB (ELEV 679.38) UV CHAMBER	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
414	COLUMNS - QTY 6	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	

Application and Certificate For Payment -- page 15

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
415	SLAB (ELEV 678.55)	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
416	SLAB (ELEV 679.38) PS SLAB	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
417	PUMP PADS	0.0000	.00	LS	3,000.00	100.00 %	3,000.00	0.00 %	0.00	100.00 %	3,000.00	100.0	300.00	
418	ELECTRICAL EQUIPMENT PADS	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
419	WATER TIGHTNESS TESTING	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
420	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
421	FINGER WEIR SUPPORT	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
422	ALUMINUM SUPPORT CHANNEL	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
423	SUPPORT ANGLE	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
424	CHECKER PLATE	0.0000	.00	LS	25,000.00	50.00 %	12,500.00	0.00 %	0.00	50.00 %	12,500.00	50.0	1,250.00	
425	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
426	UV AREA COATINGS	0.0000	.00	LS	30,000.00	10.00 %	3,000.00	0.00 %	0.00	10.00 %	3,000.00	10.0	300.00	
427	*SPECIALTIES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
428	BIRD NETTING SYSTEM	0.0000	.00	LS	10,500.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
429	*SPECIAL CONSTRUCTION**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
430	PEMB ANCHOR BOLTS	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
431	PEMB STRUCTURE	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
432	GROUT COLUMN BASES	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
433	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
434	UV ELECTRICAL	0.0000	.00	LS	885,000.00	90.34 %	799,509.00	5.65 %	50,002.50	95.99 %	849,511.50	96.0	84,951.15	
435	UV GROUNDING	0.0000	.00	LS	12,000.00	60.00 %	7,200.00	0.00 %	0.00	60.00 %	7,200.00	60.0	720.00	
436	UV LIGHTNING PROTECTION	0.0000	.00	LS	15,000.00	50.00 %	7,500.00	0.00 %	0.00	50.00 %	7,500.00	50.0	750.00	
437	INSTALL INSTRUMENTS	0.0000	.00	LS	4,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
438	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
439	EXCAVATION	0.0000	.00	LS	55,000.00	100.00 %	55,000.00	0.00 %	0.00	100.00 %	55,000.00	100.0	5,500.00	
440	AGG BASE	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
441	FLOW FILL	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
442	FILL SAND	0.0000	.00	LS	3,000.00	100.00 %	3,000.00	0.00 %	0.00	100.00 %	3,000.00	100.0	300.00	
443	BACKFILL	0.0000	.00	LS	32,000.00	100.00 %	32,000.00	0.00 %	0.00	100.00 %	32,000.00	100.0	3,200.00	
444	ELECTRICAL PANEL SLABS	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
445	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
446	EFFLUENT PROCESS PIPE	0.0000	.00	LS	180,000.00	95.00 %	171,000.00	0.00 %	0.00	95.00 %	171,000.00	95.0	17,100.00	
447	PIPE LABELS	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	

Application and Certificate For Payment -- page 16

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
448	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
449	UV SYSTEM SUBMITTALS	0.0000	.00 LS		320,000.00	100.00 %	320,000.00	0.00 %	0.00	100.00 %	320,000.00	100.0	32,000.00	
450	INSTALL SLIDE GATES	0.0000	.00 LS		85,000.00	100.00 %	85,000.00	0.00 %	0.00	100.00 %	85,000.00	100.0	8,500.00	
451	SLIDE GATE - START-UP	0.0000	.00 LS		1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.00 %	1,000.00	100.0	100.00	
452	INSTALL VERTICAL TURBINE PUMPS	0.0000	.00 LS		885,000.00	100.00 %	885,000.00	0.00 %	0.00	100.00 %	885,000.00	100.0	88,500.00	
453	VERTICAL TURBINE PUMPS - START-UP	0.0000	.00 LS		3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
454	INSTALL UV FINGER WEIR TROUGHS	0.0000	.00 LS		10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
455	INSTALL UV MODULES	0.0000	.00 LS		330,000.00	87.00 %	287,100.00	13.00 %	42,900.00	100.00 %	330,000.00	100.0	33,000.00	
456	INSTALL UV HYDRAULIC SYSTEM CENTERS	0.0000	.00 LS		4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
457	UV EQUIPMENT - START UP	0.0000	.00 LS		3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
458	**60 HYPOCHLORITE STRUCTURE**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
459	*DEMO*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
460	DEMO SODIUM BISULFITE SYSTEM	0.0000	.00 LS		15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
461	DEMO SODIUM HYPOCHLORITE SYSTEM	0.0000	.00 LS		15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
462	DEMO PLUMBING & HVAC	0.0000	.00 LS		5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
463	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
464	SLAB	0.0000	.00 LS		16,000.00	100.00 %	16,000.00	0.00 %	0.00	100.00 %	16,000.00	100.0	1,600.00	
465	EQUIPMENT PADS	0.0000	.00 LS		8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
466	CONCRETE INFILL AROUND PURLINS	0.0000	.00 LS		8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
467	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
468	HANDRAILS	0.0000	.00 LS		5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
469	OVERHEAD DOOR FRAME	0.0000	.00 LS		15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
470	*OPENINGS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
471	OVERHEAD DOOR	0.0000	.00 LS		5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
472	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
473	COATINGS	0.0000	.00 LS		20,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
474	*SPECIAL CONSTRUCTION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
475	PEMB MODIFICATIONS	0.0000	.00 LS		45,000.00	100.00 %	45,000.00	0.00 %	0.00	100.00 %	45,000.00	100.0	4,500.00	
476	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
477	ELECTRICAL	0.0000	.00 LS		180,000.00	10.00 %	18,000.00	11.11 %	19,998.00	21.11 %	37,998.00	21.1	3,799.80	
478	INSTALL INSTRUMENTS	0.0000	.00 LS		1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	

Application and Certificate For Payment -- page 17

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
479	*PLUMBING/HVAC*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
480	PLUMBING ROUGH IN	0.0000	.00 LS		10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
481	PLUMBING	0.0000	.00 LS		35,000.00	57.00 %	19,950.00	38.00 %	13,300.00	95.00 %	33,250.00	95.0	3,325.00	
482	HVAC	0.0000	.00 LS		85,000.00	0.00 %	0.00	95.00 %	80,750.00	95.00 %	80,750.00	95.0	8,075.00	
483	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
484	3"/6" NPW	0.0000	.00 LS		50,000.00	0.00 %	0.00	80.00 %	40,000.00	80.00 %	40,000.00	80.0	4,000.00	
485	1" W1 LINE	0.0000	.00 LS		10,000.00	0.00 %	0.00	95.00 %	9,500.00	95.00 %	9,500.00	95.0	950.00	
486	PIPE LABELS	0.0000	.00 LS		1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
487	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
488	INSTALL HORIZONTAL END SUCTION PUMPS	0.0000	.00 LS		105,000.00	50.00 %	52,500.00	50.00 %	52,500.00	100.00 %	105,000.00	100.0	10,500.00	
489	HORIZONTAL END SUCTION PUMPS - START UP	0.0000	.00 LS		1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
490	PACKAGED PLANT RECLAIMED WATER PUMP SYSTEM	0.0000	.00 LS		50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
491	PACKAGED PLANT RECLAIMED WATER PUMP START-UP	0.0000	.00 LS		1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
492	INSTALL CHEMICAL FEED SKID	0.0000	.00 LS		95,000.00	65.00 %	61,750.00	30.00 %	28,500.00	95.00 %	90,250.00	95.0	9,025.00	
493	INSTALL CONTAINMENT STAND	0.0000	.00 LS		6,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
494	INSTALL TOTES	0.0000	.00 LS		6,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
495	START-UP CHEMICAL FEED SYSTEM	0.0000	.00 LS		1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
496	**70 AEROBIC DIGESTER**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
497	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
498	SLAB (ELEV 674.45)	0.0000	.00 LS		50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
499	DIGESTER SLAB	0.0000	.00 LS		775,000.00	100.00 %	775,000.00	0.00 %	0.00	100.00 %	775,000.00	100.0	77,500.00	
500	FUTURE EXPANSION SLAB	0.0000	.00 LS		20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
501	EXTERIOR DIGESTER WALLS	0.0000	.00 LS		1,450,000.00	100.00 %	1,450,000.00	0.00 %	0.00	100.00 %	1,450,000.00	100.0	145,000.00	
502	INTERIOR WALLS	0.0000	.00 LS		250,000.00	100.00 %	250,000.00	0.00 %	0.00	100.00 %	250,000.00	100.0	25,000.00	
503	WEST VALVE BOX WALLS	0.0000	.00 LS		30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
504	EAST VALVE BOX WALLS	0.0000	.00 LS		20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
505	SOFFIT WALKWAY	0.0000	.00 LS		125,000.00	100.00 %	125,000.00	0.00 %	0.00	100.00 %	125,000.00	100.0	12,500.00	
506	STAIRWAY LANDINGS	0.0000	.00 LS		4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
507	CONCRETE COLUMN ENCASMENT	0.0000	.00 LS		30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
508	PIPE BRIDGE FOOTING	0.0000	.00 LS		4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
509	PIPE BRIDGE PEDESTALS	0.0000	.00 LS		6,000.00	100.00 %	6,000.00	0.00 %	0.00	100.00 %	6,000.00	100.0	600.00	
510	PIPE SUPPORT BASES	0.0000	.00 LS		6,000.00	100.00 %	6,000.00	0.00 %	0.00	100.00 %	6,000.00	100.0	600.00	

Application and Certificate For Payment -- page 18

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
511	PIPE SUPPORT MOW STRIP	0.0000		.00 LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
512	WATER TIGHTNESS TESTING	0.0000		.00 LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
513	*METALS*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
514	STAIRS	0.0000		.00 LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
515	WALKWAY HANDRAILS	0.0000		.00 LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
516	SS LADDERS	0.0000		.00 LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
517	E VALVE VAULT LADDER	0.0000		.00 LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
518	E VALVE VAULT HANDRAIL	0.0000		.00 LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
519	W VALVE VAULT LADDER	0.0000		.00 LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
520	W VALVE VAULT HANDRAIL	0.0000		.00 LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
521	PIPE BRIDGE	0.0000		.00 LS	185,000.00	100.00 %	185,000.00	0.00 %	0.00	100.00 %	185,000.00	100.0	18,500.00	
522	FUTURE EXPANSION METAL COVER	0.0000		.00 LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
523	*SPECIALTIES*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
524	CLEARANCE SIGNS	0.0000		.00 LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
525	*ELECTRICAL*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
526	ELECTRICAL	0.0000		.00 LS	340,000.00	83.93 %	285,362.00	5.90 %	20,060.00	89.83 %	305,422.00	89.8	30,542.20	
527	INSTALL INSTRUMENTS	0.0000		.00 LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
528	*EARTHWORK*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
529	EXCAVATION	0.0000		.00 LS	100,000.00	100.00 %	100,000.00	0.00 %	0.00	100.00 %	100,000.00	100.0	10,000.00	
530	AGG BASE	0.0000		.00 LS	20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
531	FLOW FILL	0.0000		.00 LS	3,000.00	100.00 %	3,000.00	0.00 %	0.00	100.00 %	3,000.00	100.0	300.00	
532	BACKFILL	0.0000		.00 LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
533	STAIR LANDINGS	0.0000		.00 LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
534	BRIDGE FOUNDATIONS	0.0000		.00 LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
535	*PROCESS INTEGRATION*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
536	SS AIR PIPING	0.0000		.00 LS	525,000.00	100.00 %	525,000.00	0.00 %	0.00	100.00 %	525,000.00	100.0	52,500.00	
537	8" DIP SUP LINE	0.0000		.00 LS	55,000.00	100.00 %	55,000.00	0.00 %	0.00	100.00 %	55,000.00	100.0	5,500.00	
538	2" W3 LINE	0.0000		.00 LS	6,000.00	100.00 %	6,000.00	0.00 %	0.00	100.00 %	6,000.00	100.0	600.00	
539	6" WAS EAST	0.0000		.00 LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
540	DS LINE WEST	0.0000		.00 LS	20,000.00	100.00 %	20,000.00	0.00 %	0.00	100.00 %	20,000.00	100.0	2,000.00	
541	PIPE LABELS	0.0000		.00 LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
542	*WATER & WASTEWATER EQUIPMENT*	0.0000		.00	0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
543	INSTALL FLOATING MIXERS	0.0000		.00 LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	

Application and Certificate For Payment -- page 19

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
544	FLOATING MIXERS - START UP	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
545	**75 SOLIDS DEWATERING**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
546	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
547	TRENCH SLAB (ELEV 679)	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
548	TRENCH WALLS (ELEV 683)	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
549	FOOTINGS	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
550	STEM WALLS	0.0000	.00	LS	45,000.00	100.00 %	45,000.00	0.00 %	0.00	100.00 %	45,000.00	100.0	4,500.00	
551	SLAB (ELEV 684)	0.0000	.00	LS	65,000.00	100.00 %	65,000.00	0.00 %	0.00	100.00 %	65,000.00	100.0	6,500.00	
552	SCREW PRESS BASES	0.0000	.00	LS	40,000.00	100.00 %	40,000.00	0.00 %	0.00	100.00 %	40,000.00	100.0	4,000.00	
553	CONDUIT CURB	0.0000	.00	LS	2,000.00	100.00 %	2,000.00	0.00 %	0.00	100.00 %	2,000.00	100.0	200.00	
554	MISC INTERIOR PADS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
555	EXTERIOR HVAC SLAB	0.0000	.00	LS	6,000.00	100.00 %	6,000.00	0.00 %	0.00	100.00 %	6,000.00	100.0	600.00	
556	EXTERIOR DUMPSTER SLAB	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
557	*MASONRY*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
558	MASONRY	0.0000	.00	LS	300,000.00	100.00 %	300,000.00	0.00 %	0.00	100.00 %	300,000.00	100.0	30,000.00	
559	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
560	PIPE BOLLARDS	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
561	DUMPSTER EMBEDS	0.0000	.00	LS	40,000.00	100.00 %	40,000.00	0.00 %	0.00	100.00 %	40,000.00	100.0	4,000.00	
562	LINTELS	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
563	DUMPSTER STRUCTURE	0.0000	.00	LS	115,000.00	100.00 %	115,000.00	0.00 %	0.00	100.00 %	115,000.00	100.0	11,500.00	
564	PIPE TRENCH GRATING	0.0000	.00	LS	4,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
565	EQUIPMENT STAIRS & PLATFORMS	0.0000	.00	LS	55,000.00	95.00 %	52,250.00	0.00 %	0.00	95.00 %	52,250.00	95.0	5,225.00	
566	CONTINUOUS EMBED BEARING PLATE	0.0000	.00	LS	7,000.00	100.00 %	7,000.00	0.00 %	0.00	100.00 %	7,000.00	100.0	700.00	
567	ROOF JOISTS & DECKING	0.0000	.00	LS	225,000.00	100.00 %	225,000.00	0.00 %	0.00	100.00 %	225,000.00	100.0	22,500.00	
568	*THERMAL & MOISTURE PROTECTION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
569	WATER REPELLANT	0.0000	.00	LS	10,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
570	FLUID APPLIED MEMBRANE	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
571	BUILDING JOINT SEALANTS	0.0000	.00	LS	12,000.00	95.00 %	11,400.00	0.00 %	0.00	95.00 %	11,400.00	95.0	1,140.00	
572	ROOFING SUB	0.0000	.00	LS	225,000.00	100.00 %	225,000.00	0.00 %	0.00	100.00 %	225,000.00	100.0	22,500.00	
573	*OPENINGS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
574	WALKTHROUGH DOORS	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
575	OVERHEAD DOOR	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
576	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	

Application and Certificate For Payment -- page 20

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
577	COATINGS	0.0000	.00	LS	85,000.00	94.00 %	79,900.00	0.00 %	0.00	94.00 %	79,900.00	94.0	7,990.00	
578	*SPECIALTIES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
579	SIGNAGE/SPLASH BLOCKS	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
580	*PLUMBING/HVAC*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
581	PLUMBING ROUGH IN	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
582	PLUMBING	0.0000	.00	LS	38,000.00	82.90 %	31,502.00	12.10 %	4,598.00	95.00 %	36,100.00	95.0	3,610.00	
583	HVAC	0.0000	.00	LS	95,000.00	73.00 %	69,350.00	10.00 %	9,500.00	83.00 %	78,850.00	83.0	7,885.00	
584	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
585	SOLIDS DEWATERING ELECTRICAL	0.0000	.00	LS	650,000.00	71.96 %	467,740.00	10.00 %	65,000.00	81.96 %	532,740.00	82.0	53,274.00	
586	SOLIDS DEWATERING GROUNDING	0.0000	.00	LS	12,000.00	37.00 %	4,440.00	0.00 %	0.00	37.00 %	4,440.00	37.0	444.00	
587	SOLIDS DEWATERING LIGHTNING PROTECTION	0.0000	.00	LS	25,000.00	30.00 %	7,500.00	0.00 %	0.00	30.00 %	7,500.00	30.0	750.00	
588	INSTALL INSTRUMENTS	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
589	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
590	INITIAL EXCAVATION	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
591	EXCAVATE FOOTINGS & TRENCH	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
592	EXCAVATE PAVING UNDER CANOPY	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
593	AGG BASE UNDER SLAB	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
594	AGG BASE UNDER FOOTINGS & TRENCH	0.0000	.00	LS	2,000.00	100.00 %	2,000.00	0.00 %	0.00	100.00 %	2,000.00	100.0	200.00	
595	AGG BASE UNDER CANOPY	0.0000	.00	LS	2,000.00	100.00 %	2,000.00	0.00 %	0.00	100.00 %	2,000.00	100.0	200.00	
596	FLOW FILL	0.0000	.00	LS	13,000.00	100.00 %	13,000.00	0.00 %	0.00	100.00 %	13,000.00	100.0	1,300.00	
597	BACKFILL	0.0000	.00	LS	8,000.00	90.00 %	7,200.00	0.00 %	0.00	90.00 %	7,200.00	90.0	720.00	
598	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
599	8" DIP PD LINE	0.0000	.00	LS	65,000.00	100.00 %	65,000.00	0.00 %	0.00	100.00 %	65,000.00	100.0	6,500.00	
600	4"/6" DIP DS LINE	0.0000	.00	LS	75,000.00	100.00 %	75,000.00	0.00 %	0.00	100.00 %	75,000.00	100.0	7,500.00	
601	4" W3 LINE	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
602	1"/2" W3 LINE	0.0000	.00	LS	16,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
603	1.5" POS LINE	0.0000	.00	LS	15,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
604	3/4" POS LINE	0.0000	.00	LS	3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
605	PIPE LABELS	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
606	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
607	DEWATERING SYSTEM - SUBMITTAL (ANDRITZ)	0.0000	.00	LS	290,000.00	100.00 %	290,000.00	0.00 %	0.00	100.00 %	290,000.00	100.0	29,000.00	
608	INSTALL INCLINE CONVEYORS	0.0000	.00	LS	215,000.00	100.00 %	215,000.00	0.00 %	0.00	100.00 %	215,000.00	100.0	21,500.00	

Application and Certificate For Payment -- page 21

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Date: 07/13/26
 Period To: 07/13/26

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
609	INSTALL CROSS CONVEYOR	0.0000	.00	LS	156,000.00	100.00 %	156,000.00	0.00 %	0.00	100.00 %	156,000.00	100.0	15,600.00	
610	INSTALL CONVEYOR GATE	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
611	START-UP SCREW CONVEYOR	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
612	INSTALL PROGRESSIVE CAVITY PUMPS	0.0000	.00	LS	17,000.00	100.00 %	17,000.00	0.00 %	0.00	100.00 %	17,000.00	100.0	1,700.00	
613	PROGRESSIVE CAVITY PUMPS - START UP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
614	INSTALL LIQUID POLYMER FEED SKID	0.0000	.00	LS	100,000.00	95.00 %	95,000.00	0.00 %	0.00	95.00 %	95,000.00	95.0	9,500.00	
615	INSTALL POLYMER FEED SPILL PALLET	0.0000	.00	LS	6,000.00	100.00 %	6,000.00	0.00 %	0.00	100.00 %	6,000.00	100.0	600.00	
616	INSTALL POLYMER FEED TOTES	0.0000	.00	LS	6,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
617	INSTALL POLYMER FEED DUMPSTER	0.0000	.00	LS	25,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
618	POLYMER FEED SYSTEM START UP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
619	INSTALL SCREW PRESSES	0.0000	.00	LS	215,000.00	100.00 %	215,000.00	0.00 %	0.00	100.00 %	215,000.00	100.0	21,500.00	
620	INSTALL TANK MIXERS	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
621	START-UP SCREW PRESS SYSTEM	0.0000	.00	LS	3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
622	**80 ODOR CONTROL**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
623	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
624	SLAB	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
625	EQUIPMENT BASES	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
626	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
627	ELECTRICAL	0.0000	.00	LS	55,000.00	22.00 %	12,100.00	0.00 %	0.00	22.00 %	12,100.00	22.0	1,210.00	
628	*PROCESS INTEGRATION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
629	SITE FRP	0.0000	.00	LS	75,000.00	0.00 %	0.00	50.00 %	37,500.00	50.00 %	37,500.00	50.0	3,750.00	
630	HEADWORKS FRP	0.0000	.00	LS	104,000.00	0.00 %	0.00	50.00 %	52,000.00	50.00 %	52,000.00	50.0	5,200.00	
631	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
632	INSTALL ODOR CONTROL FANS	0.0000	.00	LS	55,000.00	65.00 %	35,750.00	35.00 %	19,250.00	100.00 %	55,000.00	100.0	5,500.00	
633	ODOR CONTROL FANS START UP	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
634	INSTALL ODOR CONTROL BIO SCRUBBER FILTER	0.0000	.00	LS	270,000.00	65.00 %	175,500.00	35.00 %	94,500.00	100.00 %	270,000.00	100.0	27,000.00	
635	ODOR CONTROL BIO SCRUBBER FILTER - START UP	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
636	ADJUST & BALANCE ODOR CONTROL SYSTEM	0.0000	.00	LS	20,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
637	**82 ADMINISTRATION BUILDING**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
638	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
639	SLAB (ELEV 687.50)	0.0000	.00	LS	125,000.00	100.00 %	125,000.00	0.00 %	0.00	100.00 %	125,000.00	100.0	12,500.00	

Application and Certificate For Payment -- page 22

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
640	EXTERIOR CONCRETE APPROACHES	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
641	EQUIPMENT PADS	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
642	ANTENNA TOWER BASE	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
643	*MASONRY*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
644	MASONRY	0.0000	.00	LS	325,000.00	100.00 %	325,000.00	0.00 %	0.00	100.00 %	325,000.00	100.0	32,500.00	
645	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
646	PIPE BOLLARDS	0.0000	.00	LS	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.00 %	8,000.00	100.0	800.00	
647	CONTINUOUS EMBED BEARING PLATE	0.0000	.00	LS	18,000.00	100.00 %	18,000.00	0.00 %	0.00	100.00 %	18,000.00	100.0	1,800.00	
648	ROOF JOIST & DECKING	0.0000	.00	LS	250,000.00	100.00 %	250,000.00	0.00 %	0.00	100.00 %	250,000.00	100.0	25,000.00	
649	1/4" BENT PLATE	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
650	12X3 BENT PLATE	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
651	16X3 BENT PLATE	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
652	COVERED PARKING STRUCTURE	0.0000	.00	LS	55,000.00	100.00 %	55,000.00	0.00 %	0.00	100.00 %	55,000.00	100.0	5,500.00	
653	WEST ENTRANCE CANOPY	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
654	SOUTH ENTRANCE CANOPY	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
655	LINTELS	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
656	*THERMAL & MOISTURE PROTECTION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
657	WATER REPELLANT	0.0000	.00	LS	12,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
658	FLUID APPLIED MEMBRANE	0.0000	.00	LS	18,000.00	100.00 %	18,000.00	0.00 %	0.00	100.00 %	18,000.00	100.0	1,800.00	
659	JOINT SEALANT	0.0000	.00	LS	15,000.00	50.00 %	7,500.00	0.00 %	0.00	50.00 %	7,500.00	50.0	750.00	
660	ROOFING SUB	0.0000	.00	LS	325,000.00	100.00 %	325,000.00	0.00 %	0.00	100.00 %	325,000.00	100.0	32,500.00	
661	*OPENINGS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
662	WALKTHROUGH DOORS	0.0000	.00	LS	80,000.00	100.00 %	80,000.00	0.00 %	0.00	100.00 %	80,000.00	100.0	8,000.00	
663	WINDOWS	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
664	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
665	COATINGS	0.0000	.00	LS	90,000.00	88.00 %	79,200.00	0.00 %	0.00	88.00 %	79,200.00	88.0	7,920.00	
666	METAL STUDS	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
667	DRYWALL	0.0000	.00	LS	40,000.00	100.00 %	40,000.00	0.00 %	0.00	100.00 %	40,000.00	100.0	4,000.00	
668	ACOUSTICAL CEILING TILES	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
669	FLOORING	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
670	*SPECIALITES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
671	FIRE EXTINGUISHERS	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
672	TOILET & BATH ACC.	0.0000	.00	LS	8,000.00	50.00 %	4,000.00	0.00 %	0.00	50.00 %	4,000.00	50.0	400.00	

Application and Certificate For Payment -- page 23

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
673	SIGNAGE	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
674	METAL LOCKERS	0.0000	.00	LS	12,000.00	95.00 %	11,400.00	0.00 %	0.00	95.00 %	11,400.00	95.0	1,140.00	
675	BRONZE PLAQUE	0.0000	.00	LS	7,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
676	SPLASH BLOCKS	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
677	*FURNISHINGS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
678	ICE MAKER	0.0000	.00	LS	3,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
679	METAL CASEWORK	0.0000	.00	LS	50,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
680	WOOD CABINETS	0.0000	.00	LS	38,000.00	100.00 %	38,000.00	0.00 %	0.00	100.00 %	38,000.00	100.0	3,800.00	
681	*PLUMBING/HVAC*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
682	ROUGH-IN PLUMBING	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
683	FINISH PLUMBING	0.0000	.00	LS	40,000.00	100.00 %	40,000.00	0.00 %	0.00	100.00 %	40,000.00	100.0	4,000.00	
684	HVAC	0.0000	.00	LS	100,000.00	100.00 %	100,000.00	0.00 %	0.00	100.00 %	100,000.00	100.0	10,000.00	
685	TESTING & BALANCING	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
686	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
687	ELECTRICAL SYSTEM	0.0000	.00	LS	235,000.00	97.50 %	229,125.00	0.00 %	0.00	97.50 %	229,125.00	97.5	22,912.50	
688	ELECTRICAL TRIM OUT	0.0000	.00	LS	24,000.00	100.00 %	24,000.00	0.00 %	0.00	100.00 %	24,000.00	100.0	2,400.00	
689	GROUNDING	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
690	LIGHTNING PROTECTION	0.0000	.00	LS	30,000.00	30.00 %	9,000.00	0.00 %	0.00	30.00 %	9,000.00	30.0	900.00	
691	INSTALL TOWER	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
692	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
693	EXCAVATION	0.0000	.00	LS	25,000.00	100.00 %	25,000.00	0.00 %	0.00	100.00 %	25,000.00	100.0	2,500.00	
694	EXCAVATE TOWER PAD	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
695	AGG BASE	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
696	BACKFILL	0.0000	.00	LS	5,000.00	95.00 %	4,750.00	0.00 %	0.00	95.00 %	4,750.00	95.0	475.00	
697	**83 MAINTENANCE BLD**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
698	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
699	FOOTINGS	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
700	STEM WALL	0.0000	.00	LS	42,000.00	100.00 %	42,000.00	0.00 %	0.00	100.00 %	42,000.00	100.0	4,200.00	
701	SLAB	0.0000	.00	LS	35,000.00	100.00 %	35,000.00	0.00 %	0.00	100.00 %	35,000.00	100.0	3,500.00	
702	CONDUIT CURB	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
703	*MASONRY*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
704	MASONRY	0.0000	.00	LS	235,000.00	100.00 %	235,000.00	0.00 %	0.00	100.00 %	235,000.00	100.0	23,500.00	
705	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	

Application and Certificate For Payment -- page 24

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Date: 07/13/26
 Period To: 07/13/26

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
706	PIPE BOLALRDS	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
707	TRENCH GRATING	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
708	CONTINUOUS EMBED BEARING PLATE	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
709	ROOF JOIST & DECKING	0.0000	.00	LS	185,000.00	100.00 %	185,000.00	0.00 %	0.00	100.00 %	185,000.00	100.0	18,500.00	
710	1/4" BENT PLATE	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
711	12X3 BENT PLATE	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
712	LINTELS	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
713	*THERMAL & MOISTURE PROTECTION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
714	WATER REPELLANT	0.0000	.00	LS	10,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
715	FLUID APPLIED MEMBRANE	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
716	JOINT SEALANTS	0.0000	.00	LS	12,000.00	50.00 %	6,000.00	0.00 %	0.00	50.00 %	6,000.00	50.0	600.00	
717	ROOFING SUB	0.0000	.00	LS	145,000.00	100.00 %	145,000.00	0.00 %	0.00	100.00 %	145,000.00	100.0	14,500.00	
718	*OPENINGS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
719	WALKTHROUGH DOORS	0.0000	.00	LS	6,000.00	100.00 %	6,000.00	0.00 %	0.00	100.00 %	6,000.00	100.0	600.00	
720	OVERHEAD DOOR	0.0000	.00	LS	30,000.00	100.00 %	30,000.00	0.00 %	0.00	100.00 %	30,000.00	100.0	3,000.00	
721	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
722	COATINGS	0.0000	.00	LS	50,000.00	80.00 %	40,000.00	0.00 %	0.00	80.00 %	40,000.00	80.0	4,000.00	
723	*SPECIALTIES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
724	SIGNAGE/SPLASH BLOCKS	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
725	*PLUMBING/HVAC*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
726	ROUGH-IN PLUMBING	0.0000	.00	LS	32,000.00	100.00 %	32,000.00	0.00 %	0.00	100.00 %	32,000.00	100.0	3,200.00	
727	FINISH PLUMBING	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
728	HVAC	0.0000	.00	LS	98,000.00	100.00 %	98,000.00	0.00 %	0.00	100.00 %	98,000.00	100.0	9,800.00	
729	TESTING & BALANCING	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
730	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
731	ELECTRICAL SYSTEM	0.0000	.00	LS	92,000.00	97.90 %	90,068.00	0.00 %	0.00	97.90 %	90,068.00	97.9	9,006.80	
732	GROUDING	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
733	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
734	EXCAVATION	0.0000	.00	LS	15,000.00	100.00 %	15,000.00	0.00 %	0.00	100.00 %	15,000.00	100.0	1,500.00	
735	AGG BASE	0.0000	.00	LS	11,000.00	100.00 %	11,000.00	0.00 %	0.00	100.00 %	11,000.00	100.0	1,100.00	
736	FLOW FILL	0.0000	.00	LS	5,000.00	100.00 %	5,000.00	0.00 %	0.00	100.00 %	5,000.00	100.0	500.00	
737	BACKFILL	0.0000	.00	LS	5,000.00	95.00 %	4,750.00	0.00 %	0.00	95.00 %	4,750.00	95.0	475.00	
738	**85 ELECTRICAL BLDG**	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	

Application and Certificate For Payment -- page 25

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
739	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
740	SLAB	0.0000	.00	LS	65,000.00	100.00 %	65,000.00	0.00 %	0.00	100.00 %	65,000.00	100.0	6,500.00	
741	EQUIPMENT BASES	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
742	HVAC PADS	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
743	GENERATOR PAD	0.0000	.00	LS	65,000.00	100.00 %	65,000.00	0.00 %	0.00	100.00 %	65,000.00	100.0	6,500.00	
744	CONDUIT CURB	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
745	*MASONRY*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
746	MASONRY	0.0000	.00	LS	175,000.00	100.00 %	175,000.00	0.00 %	0.00	100.00 %	175,000.00	100.0	17,500.00	
747	*METALS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
748	CONTINUOUS EMBED BEARING PLATE	0.0000	.00	LS	8,000.00	100.00 %	8,000.00	0.00 %	0.00	100.00 %	8,000.00	100.0	800.00	
749	ROOF JOISTS & DECKING	0.0000	.00	LS	130,000.00	100.00 %	130,000.00	0.00 %	0.00	100.00 %	130,000.00	100.0	13,000.00	
750	LINTELS	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
751	*THERMAL & MOISTURE PROTECTION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
752	WATER REPELLANT	0.0000	.00	LS	6,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
753	FLUID APPLIED MEMBRANE	0.0000	.00	LS	7,000.00	100.00 %	7,000.00	0.00 %	0.00	100.00 %	7,000.00	100.0	700.00	
754	JOINT SEALANTS	0.0000	.00	LS	5,000.00	25.00 %	1,250.00	0.00 %	0.00	25.00 %	1,250.00	25.0	125.00	
755	ROOFING SUB	0.0000	.00	LS	115,000.00	100.00 %	115,000.00	0.00 %	0.00	100.00 %	115,000.00	100.0	11,500.00	
756	*OPENINGS*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
757	WALKTHROUGH DOORS	0.0000	.00	LS	12,000.00	95.00 %	11,400.00	0.00 %	0.00	95.00 %	11,400.00	95.0	1,140.00	
758	*FINISHES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
759	COATINGS	0.0000	.00	LS	15,000.00	90.00 %	13,500.00	0.00 %	0.00	90.00 %	13,500.00	90.0	1,350.00	
760	*SPECIALTIES*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
761	SIGNAGE/SPLASH BLOCKS	0.0000	.00	LS	1,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
762	*PLUMBING/HVAC*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
763	HVAC	0.0000	.00	LS	156,000.00	84.00 %	131,040.00	0.00 %	0.00	84.00 %	131,040.00	84.0	13,104.00	
764	TESTING & BALANCING	0.0000	.00	LS	5,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
765	*ELECTRICAL*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
766	ELECTRICAL SYSTEM	0.0000	.00	LS	760,000.00	98.39 %	747,764.00	1.05 %	7,980.00	99.44 %	755,744.00	99.4	75,574.40	
767	LIGHTNING PROTECTION	0.0000	.00	LS	18,000.00	49.00 %	8,820.00	0.00 %	0.00	49.00 %	8,820.00	49.0	882.00	
768	GROUNDING	0.0000	.00	LS	5,000.00	80.00 %	4,000.00	0.00 %	0.00	80.00 %	4,000.00	80.0	400.00	
769	INSTALL ELECTRICAL SWITCHGEAR	0.0000	.00	LS	835,000.00	81.80 %	683,030.00	17.47 %	145,874.50	99.27 %	828,904.50	99.3	82,890.45	
770	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
771	EXCAVATION	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	

Application and Certificate For Payment -- page 26

To Owner: CITY OF GLENPOOL
From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
Contractor's Job Number: OK2427SPHB
Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
772	AGG BASE	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
773	BACKFILL	0.0000	.00	LS	3,000.00	95.00 %	2,850.00	0.00 %	0.00	95.00 %	2,850.00	95.0	285.00	
774	HVAC PADS	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
775	GENERATOR PAD	0.0000	.00	LS	12,000.00	100.00 %	12,000.00	0.00 %	0.00	100.00 %	12,000.00	100.0	1,200.00	
Total ALL WORK AS DEFINED IN CONTRAC					55,679,000.00		46,323,513.50		1,962,300.50		48,285,814.00		4,828,581.40	
2 LAGOON DEWATERING MOB/DEMOB														
001	LAGOON DEWATERING MOBILIZATION & DEMOBILIZATION	0.0000	.00	LS	40,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
Total LAGOON DEWATERING MOB/DEMOB					40,000.00		0.00		0.00		0.00		0.00	
3 LAGOON DEWATERING-WASTEWATER L														
001	LAGOON DEWATERING WASTEWATER LIQ & SOLIDS REMOVAL	200.0000	4055.00	TN	811,000.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
Total LAGOON DEWATERING-WASTEWATER L					811,000.00		0.00		0.00		0.00		0.00	
4 CONCRETE PAVEMENT INCLUDING CO														
001	CONCRETE PAVEMENT INCLUDING COMPACTED BASE ABOVE	125.0000	200.00	CY	25,000.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
Total CONCRETE PAVEMENT INCLUDING CO					25,000.00		0.00		0.00		0.00		0.00	
5 FENCING-CHAIN LINK FENCE & GAT														
001	FENCING - CHAIN LINK FENCE & GATES	37.2600	4750.00	FL	176,985.00	808.00	30,106.08	.00	0.00	808.00	30,106.08	17.0	3,010.61	
Total FENCING-CHAIN LINK FENCE & GAT					176,985.00		30,106.08		0.00		30,106.08		3,010.61	
6 REPLACING POLYMER IN EXISTING														
001	REPLACING POLYMER IN EXISTING LAGOON	28.0000	28500.00	SY	798,000.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
Total REPLACING POLYMER IN EXISTING					798,000.00		0.00		0.00		0.00		0.00	
7 ALL WORK REQ @ THE DECHLORINAT														
001	CHEMICAL FEED SYSTEM SUBMITTAL	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
002	FRP BUILDING SUBMITTAL	0.0000	.00	LS	1,000.00	100.00 %	1,000.00	0.00 %	0.00	100.00 %	1,000.00	100.0	100.00	
003	CHEMICAL FEED SYSTEM MANUFACTURING	0.0000	.00	LS	2,500.00	100.00 %	2,500.00	0.00 %	0.00	100.00 %	2,500.00	100.0	250.00	
004	FRP BUILDING MANUFACTURING	0.0000	.00	LS	2,500.00	100.00 %	2,500.00	0.00 %	0.00	100.00 %	2,500.00	100.0	250.00	
005	*DEMO*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
006	DEMO CHEM FEED PIPING & EQUIPMENT	0.0000	.00	LS	2,000.00	100.00 %	2,000.00	0.00 %	0.00	100.00 %	2,000.00	100.0	200.00	

Application and Certificate For Payment -- page 27

To Owner: CITY OF GLENPOOL
 From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
 Project: GLENPOOL WWTP

Application No: 18
 Contractor's Job Number: OK2427SPHB
 Architect's Project No:

Date: 07/13/26
 Period To: 07/13/26

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
007	DEMO EXISTING BLDG	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
008	*EARTHWORK*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
009	EXCAVATE/REP SLAB	0.0000	.00	LS	4,000.00	100.00 %	4,000.00	0.00 %	0.00	100.00 %	4,000.00	100.0	400.00	
010	*CONCRETE*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
011	BUILDING FOUNDATION	0.0000	.00	LS	10,000.00	100.00 %	10,000.00	0.00 %	0.00	100.00 %	10,000.00	100.0	1,000.00	
012	EQUIPMENT PADS	0.0000	.00	LS	2,000.00	100.00 %	2,000.00	0.00 %	0.00	100.00 %	2,000.00	100.0	200.00	
013	*SPECIAL CONSTRUCTION*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
014	INSTALL FRP BUILDING	0.0000	.00	LS	65,000.00	100.00 %	65,000.00	0.00 %	0.00	100.00 %	65,000.00	100.0	6,500.00	
015	*WATER & WASTEWATER EQUIPMENT*	0.0000	.00		0.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
016	INSTALL CHEMICAL FEED SYSTEM	0.0000	.00	LS	50,000.00	100.00 %	50,000.00	0.00 %	0.00	100.00 %	50,000.00	100.0	5,000.00	
017	CHEMICAL PIPING	0.0000	.00	LS	7,000.00	100.00 %	7,000.00	0.00 %	0.00	100.00 %	7,000.00	100.0	700.00	
018	COATING SYSTEM	0.0000	.00	LS	7,500.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
019	PLUMBING	0.0000	.00	LS	40,000.00	30.00 %	12,000.00	70.00 %	28,000.00	100.00 %	40,000.00	100.0	4,000.00	
020	ELECTRICAL	0.0000	.00	LS	37,000.00	86.49 %	32,001.30	12.51 %	4,628.70	99.00 %	36,630.00	99.0	3,663.00	
021	SITE GRADING/SOD	0.0000	.00	LS	2,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
022	START-UP	0.0000	.00	LS	2,500.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
Total ALL WORK REQ @ THE DECHLORINAT					240,000.00		195,001.30		32,628.70		227,630.00		22,763.00	
8 REPLACING 2" COMB AIR RELEASE														
001	REPLACING 2" COMBINATION AIR RELEASE VALVES (V752)	7,500.0000	14.00	EA	105,000.00	.00	0.00	.00	0.00	.00	0.00	0.0	0.00	
Total REPLACING 2" COMB AIR RELEASE					105,000.00		0.00		0.00		0.00		0.00	
9 CONT ALLOW #1-WORK CHANGE DIRE														
001	CONTINGENCY ALLOW #1-WORK CHANGE DIRECTIVES	0.0000	.00	LS	750,000.00	20.51 %	153,825.80	0.00 %	0.00	20.51 %	153,825.80	20.5	15,382.58	
Total CONT ALLOW #1-WORK CHANGE DIRE					750,000.00		153,825.80		0.00		153,825.80		15,382.58	
10 CONT ALLOW #2-ADD'TL INDEPEND														
001	CONTINGENCY ALLOW #2-ADDITIONAL INDEPENDENT TESTING	0.0000	.00	LS	50,000.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
Total CONT ALLOW #2-ADD'TL INDEPEND					50,000.00		0.00		0.00		0.00		0.00	
11 OVER EXC, HANDLING, & OFF SITE														
001	OVER EXCAVATION, HANDLING, & OFF-SITE DISPOSAL OF FILL	90.0000	1500.00	CY	135,000.00	1500.00	135,000.00	.00	0.00	1500.00	135,000.00	100.0	13,500.00	
Total OVER EXC, HANDLING, & OFF SITE					135,000.00		135,000.00		0.00		135,000.00		13,500.00	

Application and Certificate For Payment -- page 28

To Owner:	CITY OF GLENPOOL	Application No:	18	Date:	07/13/26	Period To:	07/13/26
From (Contractor):	CROSSLAND HEAVY CONTRACTORS, I	Contractor's Job Number:	OK2427SPHB				
Project:	GLENPOOL WWTP	Architect's Project No:					

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
12 ALLOW AUTH #1														
001	ALLOWANCE AUTHORIZATION NO. 1 - TEMP ACCESS ROAD	0.0000		.00 LS	55,398.42	100.00 %	55,398.42	0.00 %	0.00	100.00 %	55,398.42	100.0	5,539.84	
002	ALLOWANCE UTHORIZATION NO. 1 - TEMP ACCESS ROAD	0.0000		.00 LS	-55,398.42	100.00 %	-55,398.42	0.00 %	0.00	100.00 %	-55,398.42	100.0	-5,539.84	
Total ALLOW AUTH #1					0.00		0.00		0.00		0.00		0.00	
13 ALLOWANCE AUTHORIZATION #2														
001	ALLOWANCE AUTHORIZATION #2	0.0000		.00 LS	114,216.08	100.00 %	114,216.08	0.00 %	0.00	100.00 %	114,216.08	100.0	11,421.61	
002	ALLOWANCE AUTHORIZATION #2	0.0000		.00 LS	-114,216.08	100.00 %	-114,216.08	0.00 %	0.00	100.00 %	-114,216.08	100.0	-11,421.61	
Total ALLOWANCE AUTHORIZATION #2					0.00		0.00		0.00		0.00		0.00	
14 ALLOWANCE AUTHORIZATION NO.3														
001	ALLOWANCE AUTHORIZATION NO. 3	0.0000		.00 LS	135,051.48	100.00 %	135,051.48	0.00 %	0.00	100.00 %	135,051.48	100.0	13,505.15	
002	ALLOWANCE AUTHORIZATION NO. 3	0.0000		.00 LS	-135,051.48	100.00 %	-135,051.48	0.00 %	0.00	100.00 %	-135,051.48	100.0	-13,505.15	
Total ALLOWANCE AUTHORIZATION NO.3					0.00		0.00		0.00		0.00		0.00	
15 AUTHORIZATION ALLOWANCE NO. 4														
001	AUTHORIZATION ALLOWANCE NO. 4	0.0000		.00 LS	171,177.93	100.00 %	171,177.93	0.00 %	0.00	100.00 %	171,177.93	100.0	17,117.79	
002	AUTHORIZATION ALLOWANCE NO. 4	0.0000		.00 LS	-171,177.93	100.00 %	-171,177.93	0.00 %	0.00	100.00 %	-171,177.93	100.0	-17,117.79	
Total AUTHORIZATION ALLOWANCE NO. 4					0.00		0.00		0.00		0.00		0.00	
16 ALLOWANCE AUTHORIZATION NO. 5														
001	ALLOWANCE AUTHORIZATION NO. 5	0.0000		.00 LS	22,557.30	100.00 %	22,557.30	0.00 %	0.00	100.00 %	22,557.30	100.0	2,255.73	
002	ALLOWANCE AUTHORIZATION NO. 5	0.0000		.00 LS	-22,557.30	100.00 %	-22,557.30	0.00 %	0.00	100.00 %	-22,557.30	100.0	-2,255.73	
Total ALLOWANCE AUTHORIZATION NO. 5					0.00		0.00		0.00		0.00		0.00	
17 ALLOWANCE AUTHORIZATION														
001	REMOVAL OF GROUT IN SBR POST EQ FOR ADDITIONAL CAPACITY	0.0000		.00 LS	-71,028.65	100.00 %	-71,028.65	0.00 %	0.00	100.00 %	-71,028.65	100.0	-7,102.87	
002	REMOVAL OF GROUT IN SBR POST FOR ADDITIONAL CAPACITY	0.0000		.00 LS	71,028.65	100.00 %	71,028.65	0.00 %	0.00	100.00 %	71,028.65	100.0	7,102.87	
Total ALLOWANCE AUTHORIZATION					0.00		0.00		0.00		0.00		0.00	
18 ALLOWANCE AUTHORIZATION NO. 7														
001	ADDITIONAL NON-POTABLE WATERLI	0.0000		.00 LS	98,837.35	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	

Application and Certificate For Payment -- page 29

To Owner: CITY OF GLENPOOL
From (Contractor): CROSSLAND HEAVY CONTRACTORS, I
Project: GLENPOOL WWTP

Application No: 18 Date: 07/13/26 Period To: 07/13/26
Contractor's Job Number: OK2427SPHB
Architect's Project No:

Item Number	Description	Unit Price	Contract Quantity	UM	Scheduled Value	Work Completed Previous Application		Work Completed This Period		Completed and Stored To Date			Retention	Memo
						Quantity	Amount	Quantity	Amount	Quantity	Amount	%		
002	ADDITIONAL NON-POTABLE WATERLI	0.0000		.00 LS	-98,837.35	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
Total ALLOWANCE AUTHORIZATION NO. 7					0.00		0.00		0.00		0.00		0.00	
99 ASPHALT BINDER/STORED														
001	ASPHALT BINDER	0.0000		.00 LS	0.00	0.00 %	0.00	0.00 %	0.00	0.00 %	0.00	0.0	0.00	
002	STORED MATERIALS	0.0000		.00 LS	0.00	0.00 %	800,022.68	0.00 %	-539,853.73	0.00 %	260,168.95	0.0	26,016.89	
Total ASPHALT BINDER/STORED					0.00		800,022.68		-539,853.73		260,168.95		26,016.89	
Application Total					58,809,985.00		47,637,469.36		1,455,075.47		49,092,544.83		4,909,254.48	

MATERIALS ON HAND

PROJECT: Glenpool WWTP
 OWNER: City of Glenpool
 CONTRACTOR: Crossland Heavy Contractors, Inc.
 PAY ESTIMATE NO. 18

SUPPLIERS NAME	INVOICE NO.	PREVIOUS INVOICES EACH	INVOICED THIS MONTH	PREVIOUSLY INSTALLED EST.	INSTALLED THIS MONTH EST.	TOTAL ON HAND
MATERIAL INVOICES						
CRIMSON STEEL	IN-G725883	\$ 16,610.53		\$ 16,610.53		\$ -
CRIMSON STEEL	IN-G725909	\$ 18,144.55		\$ 18,144.55		\$ -
CRIMSON STEEL	IN-G725943	\$ 22,889.64		\$ 22,889.64		\$ -
CRIMSON STEEL	IN-G725962	\$ 19,260.73		\$ 19,260.73		\$ -
CRIMSON STEEL	IN-G725996	\$ 21,938.42		\$ 21,938.42		\$ -
CRIMSON STEEL	IN-G726021	\$ 26,485.56		\$ 26,485.56		\$ -
CRIMSON STEEL	IN-G726022	\$ 11,315.60		\$ 11,315.60		\$ -
CRIMSON STEEL	IN-G726076	\$ 18,337.01		\$ 18,337.01		\$ -
CRIMSON STEEL	IN-G726161	\$ 16,950.00		\$ 16,950.00		\$ -
CRIMSON STEEL	IN-G726209	\$ 15,665.00		\$ 15,665.00		\$ -
CRIMSON STEEL	IN-G726225	\$ 15,440.00		\$ 15,440.00		\$ -
CRIMSON STEEL	IN-G726240	\$ 15,715.00		\$ 15,715.00		\$ -
CRIMSON STEEL	IN-G726262	\$ 16,150.00		\$ 16,150.00		\$ -
CRIMSON STEEL	IN-G726288	\$ 18,340.00		\$ 18,340.00		\$ -
CRIMSON STEEL	IN-G726304	\$ 13,910.00		\$ 13,910.00		\$ -
CRIMSON STEEL	IN-G726305	\$ 26,080.00		\$ 26,080.00		\$ -
CORE & MAIN	PNV000000112	\$ 12,166.09		\$ 12,166.09		\$ -
CRIMSON STEEL	IN-G726521	\$ 16,150.00		\$ 16,150.00		\$ -
CRIMSON STEEL	IN-G726581	\$ 17,890.00		\$ 17,890.00		\$ -
CRIMSON STEEL	IN-G726582	\$ 13,010.00		\$ 13,010.00		\$ -
CRIMSON STEEL	IN-G726583	\$ 14,310.00		\$ 14,310.00		\$ -
CRIMSON STEEL	IN-G726645	\$ 15,800.00		\$ 15,800.00		\$ -
CRIMSON STEEL	IN-G726708	\$ 15,850.00		\$ 15,850.00		\$ -
CRIMSON STEEL	IN-G726738	\$ 18,100.00		\$ 18,100.00		\$ -
BASLINE MFG	202137	\$ 86,678.00		\$ 86,678.00		\$ -
CORE & MAIN	PNV0000002240	\$ 18,721.10		\$ 18,721.10		\$ -
CORE & MAIN	PNV0000002482	\$ 111,481.11		\$ 111,481.11		\$ -
CORE & MAIN	PNV0000002540	\$ 47,951.57		\$ 47,951.57		\$ -
CRIMSON STEEL	IN-G727169	\$ 15,210.00		\$ 15,210.00		\$ -
BASLINE MFG	202146	\$ 70,139.00		\$ 70,139.00		\$ -
CRIMSON STEEL	IN-G727146	\$ 14,070.00		\$ 14,070.00		\$ -
CORE & MAIN	PNV0000002801	\$ 105,193.16		\$ 105,193.16		\$ -
CRIMSON STEEL	IN-G727342	\$ 21,600.00		\$ 21,600.00		\$ -
CRIMSON STEEL	IN-G727375	\$ 16,355.00		\$ 16,355.00		\$ -
CORE & MAIN	PNV0000003668	\$ 12,684.54		\$ 12,684.54		\$ -
CORE & MAIN	PNV0000003478	\$ 26,289.23		\$ 26,289.23		\$ -
CORE & MAIN	PNV0000003486	\$ 80,198.45		\$ 80,198.45		\$ -
CORE & MAIN	PNV0000003653	\$ 18,172.89		\$ 18,172.89		\$ -
CORE & MAIN	PNV0000003666	\$ 158,087.40		\$ 158,087.40		\$ -
CORE & MAIN	PNV0000003667	\$ 12,706.98		\$ 12,706.98		\$ -
CORE & MAIN	PNV0000003921	\$ 11,630.40		\$ 11,630.40		\$ -
CRIMSON STEEL	IN-G727638	\$ 21,335.00		\$ 21,335.00		\$ -
HAYNES	INV8131698	\$ 197,580.00				\$ 197,580.00
BASLINE MFG	202173	\$ 279,970.00		\$ 279,970.00		\$ -
CORE & MAIN	PNV0000004986	\$ 15,171.97		\$ 15,171.97		\$ -
CORE & MAIN	PNV0000004379	\$ 14,973.14		\$ 14,973.14		\$ -
CORE & MAIN	PNV0000005217	\$ 66,682.67		\$ 66,682.67		\$ -
CORE & MAIN	PNV0000005218	\$ 19,151.12		\$ 19,151.12		\$ -
CORE & MAIN	PNV0000005240	\$ 25,504.81		\$ 25,504.81		\$ -
CORE & MAIN	PNV0000005241	\$ 29,820.15		\$ 29,820.15		\$ -
CORE & MAIN	PNV0000004542	\$ 77,000.00		\$ 77,000.00		\$ -
CORE & MAIN	PNV0000005693	\$ 58,212.18		\$ 58,212.18		\$ -
CORE & MAIN	PNV0000005790	\$ 33,830.00		\$ 33,830.00		\$ -
CORE & MAIN	PNV0000005792	\$ 37,610.88		\$ 37,610.88		\$ -
CORE & MAIN	PNV0000005371	\$ 43,225.52		\$ 43,225.52		\$ -
CORE & MAIN	PNV0000005373	\$ 51,171.25		\$ 51,171.25		\$ -
ELLISON-GERHARDT	INV-24-11431-3	\$ 20,045.00		\$ 20,045.00		\$ -
ACCENT SALES	0925-35462	\$ 69,455.00		\$ 69,455.00	\$ 34,727.50	\$ -
BASLINE MFG	202198	\$ 185,094.00		\$ 185,094.00		\$ -
CORE & MAIN	PNV0000006096	\$ 42,000.05		\$ 42,000.05		\$ -
CRIMSON STEEL	IN-G727846	\$ 25,420.00		\$ 25,420.00		\$ -
CRIMSON STEEL	IN-G728788	\$ 24,785.00		\$ 24,785.00		\$ -
CRIMSON STEEL	IN-G728808	\$ 27,790.00		\$ 27,790.00		\$ -
AQUA-AEROBIC	1049862	\$ 83,575.50		\$ 83,575.50		\$ -
CORE & MAIN	PNV0000007139	\$ 35,213.38		\$ 35,213.38		\$ -
CORE & MAIN	PNV0000007244	\$ 23,341.08		\$ 23,341.08		\$ -
HAYNES	INV8132157	\$ 85,000.00		\$ 85,000.00	\$ 42,500.00	\$ -
CORE & MAIN	PNV0000007472	\$ 48,326.58		\$ 48,326.58		\$ -
CORE & MAIN	PNV0000008644	\$ 16,701.66		\$ 16,701.66		\$ -
CORE & MAIN	PNV0000008645	\$ 67,198.38		\$ 67,198.38		\$ -
HAYNES	INV8132255	\$ 40,000.00		\$ 40,000.00		\$ -
HYDRO-DYNE	00012274	\$ 138,970.36		\$ 138,970.36	\$ 52,113.89	\$ -
WHIPPS	33769	\$ 226,094.00		\$ 226,094.00		\$ -
HAYNES	INV8132493	\$ 1,110,000.00		\$ 1,089,224.31	\$ 20,775.69	\$ (0.00)
PARKSON CORP	AR1/51045613	\$ 292,000.00		\$ 292,000.00		\$ -
AQUA-AEROBIC	1051483	\$ 267,675.61		\$ 267,675.61		\$ -
BASLINE MFG	202360	\$ 183,253.00		\$ 183,253.00		\$ -
CORE & MAIN	J000011327	\$ 21,872.07		\$ 21,872.07		\$ -
CORE & MAIN	J000011342	\$ 20,510.41			\$ 20,510.41	\$ -
CORE & MAIN	J000015062	\$ 52,428.00		\$ 47,185.20		\$ 5,242.80
HAYNES	INV8132723	\$ 1,108,907.00		\$ 797,026.90	\$ 311,880.10	\$ -
CORTROL	INVC127531	\$ 114,692.29			\$ 57,346.14	\$ 57,346.15
						\$ -
						\$ -
TOTAL		\$ 6,545,264.02	\$ -	\$ 5,745,241.34	\$ 539,853.73	\$ 260,168.95

BASELINE MANUFACTURING PARTNERS

P.O. Box 1776
NEW WAVERLY, TX 77358

PH: (936) 344-2858
FAX: (936) 344-8505

Date: April 15, 2025

Crossland Heavy Construction
501 S. East Ave
Columbus, KS. 66725

RE: American Iron and Steel Step Certification:
For Project: Glenpool WWTP – OK2427SPHB
Owner: City of Glenpool
Contact Number: 02B

Certification of Compliance with American Iron and Steel (AIS) Provisions

I, Jason Buckner, certify that (melting, bending, coating, galvanizing, cutting, etc.) process for (manufacturing or fabricating) the following products and/or materials shipped or provided for the subject project is in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs.

Item, Products and/or Materials:
Steel Bollards, Dumpster Guide Plates, Bar Screen,
Grating and Supports, Lintel Tubing, Bent Plates, Roof Joist,
Pipe Penetration Plates, Trolley Stops, Canopy, Ladders,
Support Channels, Bridge Support, Gauge Galvanized Cover,
Sill Angles, Supports with Decking and Angle Embed
Per our Scope

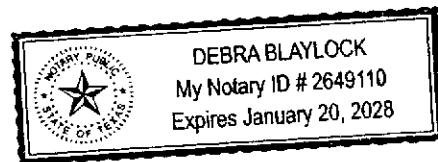
Location of delivery:
11 E. 136th PL
Glenpool, OK 74033

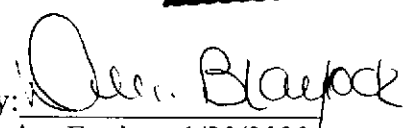
Such process took place at the following location:

Baseline Manufacturing Partners, LP
1070 Tafelski Road
New Waverly, Texas 77358

Thank you,


Jason Buckner



Notarized by: 
My Commission Expires: 1/20/2028

April 16, 2025

Ellison Gerhardt Company
67B Mountain Ave
Warren, NJ 07059
Attn: Connor Lyons

Subject: American Iron & Steel Certification: Glenpool WWTP

Refs: (a) American Iron and Steel – Consolidated Appropriations Act P.L. 113-76, 2014

Dear Valued Customer,

We appreciate your interest in the ASSA ABLOY product offerings. ASSA ABLOY certifies that the below listed products and/or materials are in full compliance with the American Iron and Steel requirements as mandated in reference (a), the U.S. Environmental Protection Agency's State Revolving Fund programs and Section 746 of Title VII of the Consolidated Appropriations Act of 2017 (Division A - Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2017.)

<u>Brand</u>	<u>Description</u>	<u>Product</u>
Ceco	Legion Series*	Hollow Metal Door
Ceco	Imperial Series*	Hollow Metal Door
Ceco	SQ Series*	Hollow Metal Frame
Ceco	BU Series*	Hollow Metal Frame

ASSA ABLOY certifies that the processes for manufacturing or fabricating the below listed products and/or materials on this project took place at the following U.S. locations:

Melted/Poured: Nucor Steel: 4301 Iverson Blvd, Trinity, AL 35673
Melted/Poured: Steel Dynamics: 1945 Airport Road, Columbus, MS 39701
Manufactured/Machined: Ceco Door: 9159 Telecom Drive, Milan, TN 38358

*The above listed products may be available from multiple ASSA ABLOY manufacturing or ASSA ABLOY Service Centers and therefore must be flagged as "Must meet American Iron & Steel requirements" on your purchase orders.

If you need further information regarding the conformance requirements of these products, please contact your ASSA ABLOY Door Security Solutions representative or the undersigned.

Regards,



Evan Slee
Government Business Development Manager
ASSA ABLOY Americas
evan.slee@assaabloy.com
724-525-3241



109 Fifth St. Orlando, FL 32824
 1101 Industrial Blvd, Gainesville, GA 30501
 3387 Plumas-Arboga Road, Olivehurst, CA 95961
 1534 No. Industrial Blvd. Ottawa, KS 66067
 58144 Old Portland Rd, Bldg D, Portland, OR 97053
 3065 S. 43rd Avenue, Phoenix, AZ 85009
 21425 147th Ave. No. Rogers, MN 55374
 596 Trout Run Road, Ephrata, PA 17522
 7030 Old Pearsall Road, San Antonio, TX 78252
 2023 St Louis Ave, Bessemer, AL 35020

Subject: American Iron and Steel Step Certification
 Job Name: Glenpool WWTP
 Location: Glenpool, OK
 Contractor: Crossland
 Engineer: Garver
 Distributor: Core & Main
 Purchase Order: 224225
 Project No. ARP-23-0014-DPG

I, Ashley Williams, certify that the melting, casting, and processing to include the application of lining and coating for the manufacture of the following products provided to the subject project is in full compliance with the American Iron and Steel requirement as mandated in EPA's States Revolving Fund Programs.

Products:

UNITS		ITEM NUMBER	ITEM DESCRIPTION
ORDERED	SHIPPED/LINE#		
3 EA	1.000	F240200P453FTUFTU WGT: 2,058.0000 TON: 1.0290	24"x2'0" P401 CL53-FTUxFTU 401 LINED/RPX/DOMESTIC Tag#: SBR-1 DOMESTIC FLGS TFS WC CENTERED *****
3 EA	2.100	F200200P453FTUFTU WGT: 1,734.0000 TON: .8670	20"x2'0" P401 CL53-FTUxFTU 401 LINED/RPX/DOMESTIC Tag#: SBR-2 DOMESTIC FLGS TFS WC CENTERED *****
3 EA	3.000	F060200P453FTUFTU WGT: 267.0000 TON: .1335	6"x2'0" P401 CL53-FTUxFTU 401 LINED/BIT/DOMESTIC Tag#: SBR-3 DOMESTIC FLGS TFS WC CENTERED *****
3 EA	4.100	F040200P453FTUFTU WGT: 180.0000 TON: .0900	4"x2'0" P401 CL53-FTUxFTU 401 LINED/BIT/DOMESTIC Tag#: SBR-4 DOMESTIC FLGS TFS WC CENTERED *****
1 EA	5.000	F240100CL53FTUFTU WGT: 572.0000 TON: .2860	24"x1'0" CEMENT CL53-FTUxFTU CEMENT LINED/BIT/DOMESTIC Tag#: SBR-5 DOMESTIC FLGS TFS WC CENTERED *****

UNITS		ITEM NUMBER	ITEM DESCRIPTION
ORDERED	SHIPPED/LINES		
2	EA	6.000 F240200CL53FTUFTU WGT: 1,372.0000 TON: .6860	24"x2'0" CEMENT CL53-FTUxFTU CEMENT LINED/RPX/DOMESTIC Tag#: SBR-6 DOMESTIC FLGS TFS WC CENTERED *****
1	EA	7.100 F060100P453MJUPLN WGT: 21.0000 TON: .0105	6"x1'0" P401 CL53-MJUxPLN 401 LINED/BIT/DOMESTIC Tag#: HW-8 OVERALL LENGTH DOMESTIC MJ BELL TFS WC CENTERED *****
1	EA	8.100 F060100P453MJUPLN WGT: 21.0000 TON: .0105	6"x0'8" P401 CL53-MJUxPLN 401 LINED/BIT/DOMESTIC Tag#: HW-8A OVERALL LENGTH DOMESTIC MJ BELL TFS WC CENTERED *****
2	EA	9.000 F240100P453MJUPLN WGT: 228.0000 TON: .1140	24"x1'0" P401 CL53-MJUxPLN 401 LINED/BIT/DOMESTIC Tag#: HW-9 OVERALL LENGTH DOMESTIC MJ BELL TFS WC CENTERED *****
1	EA	10.100 F060100P453MJUPLN WGT: 21.0000 TON: .0105	6"x1'0" P401 CL53-MJUxPLN 401 LINED/BIT/DOMESTIC Tag#: HW-9A OVERALL LENGTH DOMESTIC MJ BELL TFS WC CENTERED *****
1	EA	11.100 F120100CL53MJUFTU WGT: 49.0000 TON: .0245	12"x1'0" CEMENT CL53-MJUxFTU CEMENT LINED/BIT/DOMESTIC Tag#: UV-10 OVERALL LENGTH DOMESTIC MJ & FLG TFS WC CENTERED *****
1	EA	12.000 F240100CL53MJUPLN WGT: 114.0000 TON: .0570	24"x1'0" CEMENT CL53-MJUxPLN CEMENT LINED/BIT/DOMESTIC Tag#: UV-11 OVERALL LENGTH DOMESTIC MJ BELL TFS WC CENTERED *****
2	EA	13.100 F060206P453FTUFTU WGT: 199.0000 TON: .0995	6"x2'4" P401 CL53-FTUxFTU 401 LINED/BIT/DOMESTIC Tag#: AD-12 DOMESTIC FLG TFS WC CENTERED *****
2	EA	14.100 F060206P453FTUFTU WGT: 199.0000 TON: .0995	6"x2'4" P401 CL53-FTUxFTU 401 LINED/BIT/DOMESTIC Tag#: AD-13 DOMESTIC FLGS TFS

UNITS		ITEM NUMBER	ITEM DESCRIPTION
ORDERED	SHIPPED/LINE#		
1	EA	15,000 F060100P453MJUFTU	WC CENTERED ***** 6"x1'0" P401 CL53-MJUxFTU 401 LINED/BIT/DOMESTIC Tag#: AD-14 OVERALL LENGTH DOMESTIC MJ & FLG TFS WC CENTERED *****
		WGT: 21.0000	
		TON: .0105	
1	EA	16,000 F060100P453MJUFTU	6"x1'0" P401 CL53-MJUxFTU 401 LINED/BIT/DOMESTIC Tag#: AD-15 OVERALL LENGTH DOMESTIC MJ BELL & FLG TFS WC CENTERED *****
		WGT: 21.0000	
		TON: .0105	

The melting, casting, and processing to include application of the lining for the manufacture of the Ductile Iron Pipe, Class 53 took place at one or more of the following locations:

United States Pipe and Foundry Company, LLC
Marvel City Mini Mill
2101 Eighteenth Avenue North
Bessemer, Alabama 35020

United States Pipe and Foundry Company, LLC
Alabama Works
2023 Saint Louis Avenue
Bessemer, Alabama 35020

Griffin Pipe Products
10 Adams Street
Lynchburg, Virginia 24504-1446

Vulcan Painter, Inc
Bessemer, Alabama 35020

Fabrication took place at the following locations:

U.S. Pipe Fabrication
7030 Old Pearsall Rd
San Antonio, TX 78252

Flanges:

The complete manufacturing process including melting, casting and processing of the ductile iron flanges and fittings took place at the following location:

Tyler Union
Anniston, AL

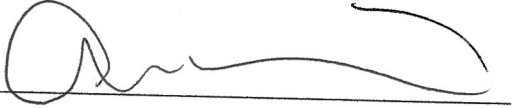
Star Pipe
Houston, TX

Associated Metalcast
Oxford, AL

Eureka Foundry Company
Chattanooga, Tennessee

If any of the above compliance statements change for the material on this project we will immediately notify the distributor contact.

Sincerely,

A handwritten signature in black ink, appearing to be 'Ashley Williams', written over a horizontal line.

Ashley Williams – Project Manager
United States Pipe Fabrication, Ottawa

12748 East Florence Ave. • Santa Fe Springs, CA 90670
Phone: (562) 944-9549 • (800) 652-6587 • Fax: (562) 944-9360 • www.pacificcoastbolt.com

Date: 5/14/2025

Pacific Coast Bolt
12748 East Florence Ave
Santa Fe Springs CA 90670

Project name: Glenpool WWTP
Project location: Glenpool, OK 74033
Contractor: Crossland
Engineer: Garver

Pacific Coast Bolt located in Santa Fe Springs CA Certifies that the (melting, bending, coating, galvanizing, cutting etc.) process for (manufacturing or fabricating) the following products and/or material shipped or provided for the subject project is in full compliance with the American Iron and Steel requirement as mandated in EPA's State revolving Fund Programs

Item, Products and/or Materials:

- 1) Bolts
- 2) Nuts

Such process took place at the following location:
Pacific Coast Bolt - 12748 E. Florence Ave. Santa Fe Springs, Ca. 90670

If any of the above compliance statements change while providing material to this project we will immediately notify the prime contractor and the engineer.


Tom Collins
Inside Sales, Waterworks Division



Address: 1501 W 17th St. – Anniston, AL 36201
Telephone No.: (800) 226-7601
Fax Number: (800) 226-0806
www.tylerunion.com

Certificate of Compliance
Waterworks Division

Date: May 15, 2025
Subject: American Iron and Steel Step Certification
Project: Glenpool WWTP
Location: Glenpool, OK 74033
Owner: Glenpool Utility Service Authority
Contractor: Crossland
Engineer: Garver

TU Distributor: MPI

I, Mark Vess, certify the Melting, Casting, Grinding, Cement Lining and Coating process for manufacturing the following products and shipped for the subject project are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs. P.L. 113-76, Consolidated Appropriations Act, 2014 (Act), section 436).

AWWA Ductile Iron Mechanical Joint and Flange Fittings:
See page 2 for project materials purchased on PO# SO-673517
Melting, Manufacturing, and Shipping Process took place in Anniston, AL USA

If any of the above compliance statements change while providing material to this project we will immediately notify the prime contractor and the engineer.

Best Regards,

Mark Vess | Quality Manager | Tyler Union Waterworks | (800) 226-7601 | mark.vess@tylerunion.com
File: Sub Tyler Union Domestic Step Cert 05152025_2.pdf

Tyler Union Waterworks Contact Information

833-723-1135

www.tylerunion.com

This document is void if modified in any manner.

SO-673517 : MCWANE PLANT AND INDUSTRIAL

Lines Header

Sales order header

Sales order lines

+ Add line + Add lines Remove Sales order line Financials Inventory Product and supply Update line Warehouse Retail							
☐	Item number	Product name	Quantity	Unit	Net weight	Extended weight	
☒	670610072843	BEND,4,MJ,45,C153,CL	15.00	EA	23.08	346.20	
	670610072928	BEND,12,MJ,45,C153,CL	6.00	EA	111.00	666.00	
	670610072287	BEND,12,MJ,90,C153,CL	1.00	EA	129.00	129.00	
	670610076742	WYE,12X8,MJ,C153,CL	5.00	EA	177.33	886.65	
	670610076780	WYE,12,MJ,C153,CL	7.00	EA	225.00	1,575.00	
	670610077749	RED,12X4,MJ,C153,CL	2.00	EA	67.00	134.00	
	670610077787	RED,12X8,MJ,C153,CL	1.00	EA	65.66	65.66	
	670610083207	PLUG,TAP,4X2,MJ,C153,TC	1.00	EA	11.00	11.00	
	670610081944	SLV,SOLID,4X12,MJ,C153,TC	9.00	EA	25.00	225.00	
	670610076506	WYE,4,MJ,C153,CL	5.00	EA	44.00	220.00	
	670610447450	FLANGE,BLIND,6,C110,TC	1.00	EA	27.00	27.00	
	670610072867	BEND,6,MJ,45,C153,CL	7.00	EA	36.83	257.81	
	670610076544	WYE,6,MJ,C153,CL	3.00	EA	85.00	255.00	
	670610076520	WYE,6X4,MJ,C153,CL	1.00	EA	61.00	61.00	
	670610081951	SLV,SOLID,6X12,MJ,C153,TC	2.00	EA	37.33	74.66	
	670610447337	FLANGE,BLIND,8,C110,TC	1.00	EA	38.00	38.00	
	670610072881	BEND,8,MJ,45,C153,CL	14.00	EA	51.00	714.00	
	670610072249	BEND,8,MJ,90,C153,CL	1.00	EA	64.33	64.33	
	670610076605	WYE,8,MJ,C153,CL	13.00	EA	133.67	1,737.71	
	670610081968	SLV,SOLID,8X12,MJ,C153,TC	2.00	EA	49.00	98.00	
	670610472519	BEND,6,FE,90,C110,P401-IN,TN-OUT	6.00	EA	67.00	402.00	

Tyler Union Waterworks Contact Information

833-723-1135

www.tylerunion.com

This document is void if modified in any manner.



Date: December 20, 2024

Company Name: Core & Main

Company Address: 8401 Southwest 15th Street, Oklahoma City, OK 73128

Subject: AIS Step Certification for Glenpool WWTP in Glenpool, OK

I, Vivek Sharma, certify that the (melting, bending, cutting, etc.) processes for (manufacturing) the following products and/or material shipped or provided for the subject project is in full compliance with the AIS requirement as mandated by the Consolidated Appropriations Act of 2014 (American Iron and Steel –AIS– requirement) as mandated in EPA’s State Revolving Fund Programs, with the American Recovery and Reinvestment Act of 2009 (ARRA), the Buy America Act of 1983 and the Buy American Act of 1933.

Item, Products and/or Materials:

Please refer to the attached

Such process took place at the following location:

Please refer to the attached

Location product delivered to: Core & Main
8401 Southwest 15th Street
Oklahoma City, OK 73128

If any of the above compliance statements change while providing materials to this project, please immediately notify the person(s) who is requesting to use your product(s).

A handwritten signature in black ink that reads 'Vivek Sharma'.

Vivek Sharma
Vice President of Business Operations
Star Pipe Products



Subject: AIS Step Certification for Glenpool WWTP in Glenpool, OK

Quote #	Item	Item Description	Qty Ordered	Foundry Location
2500011606	MJB4516D	16x45 DI MJ BND DOM	5	Browntown, WI
2500011606	MJB2216D	16x22 1/2 DI MJ BND DOM	1	S. Coffeyville, OK
2500011606	MJB4524D	24x45 DI MJ BND DOM	5	S. Coffeyville, OK
2500011606	MJB2224D	24x22 1/2 DI MJ BND DOM	2	S. Coffeyville, OK
2500011606	MJB1116D	16x11 1/4 DI MJ BND DOM	2	S. Coffeyville, OK
2500011606	MJB2204D	4x22 1/2 DI MJ BND DOM	2	S. Coffeyville, OK
2500011606	MJB4504D	4x45 DI MJ BND DOM	19	S. Coffeyville, OK
2500011606	MJB9004D	4x90 DI MJ BND DOM	10	S. Coffeyville, OK
2500011606	MJB4506D	6x45 DI MJ BND DOM	21	S. Coffeyville, OK
2500011606	MJB9006D	6x90 DI MJ BND DOM	2	S. Coffeyville, OK
2500011606	MJB9008D	8x90 DI MJ BND DOM	8	S. Coffeyville, OK
2500011606	MJB4508D	8x45 DI MJ BND DOM	6	S. Coffeyville, OK
2500011606	MJB4512D	12x45 DI MJ BND DOM	2	S. Coffeyville, OK
2500011606	MJB9012D	12x90 DI MJ BND DOM	1	S. Coffeyville, OK
2500011606	MJP04TD	4x2 DI MJ TAPT PLUG DOM	1	S. Coffeyville, OK
2500011606	ZMJP04D	RWK 4 DI MJ PLUG DOM	1	S. Coffeyville, OK
2500011606	MJC04TD	4x2 DI MJ TAPT CAP DOM	1	S. Coffeyville, OK
2500011606	MJC06TD	6x2 DI MJ TAPT CAP DOM	1	S. Coffeyville, OK
2500011606	MJR1204D	12x4 DI MJ RED DOM	1	S. Coffeyville, OK
2500011606	MJR1208D	12x8 DI MJ RED DOM	2	S. Coffeyville, OK
2500011606	MJT0604D	6x4 DI MJ TEE DOM	2	S. Coffeyville, OK
2500011606	MJT0606D	6 DI MJ TEE DOM	2	S. Coffeyville, OK
2500011606	MJT0404D	4 DI MJ TEE DOM	1	S. Coffeyville, OK
2500011606	MJT0403D	4x3 DI MJ TEE DOM	1	Coolidge, TX
2500011606	MJL0404D	4 DI MJ LAT DOM	6	Coolidge, TX
2500011606	MJL0606D	6 DI MJ LAT DOM	3	S. Coffeyville, OK
2500011606	MJL0604D	6x4 DI MJ LAT DOM	1	S. Coffeyville, OK
2500011606	MJL0808D	8 DI MJ LAT DOM	8	S. Coffeyville, OK
2500011606	MJL1212D	12 DI MJ LAT DOM	6	Blackwell, OK
2500011606	MJL1208D	12x8 DI MJ LAT DOM	1	S. Coffeyville, OK
2500011606	MJB1124P401D	24x11 1/4 DI MJ BND P401 DOM	2	Blackwell, OK
2500011606	MJB1120P401D	20x11 1/4 DI MJ BND P401 DOM	1	S. Coffeyville, OK
2500011606	MJB2220P401D	20x22 1/2 DI MJ BND P401 DOM	1	S. Coffeyville, OK
2500011606	MJB4508P401D	8x45 DI MJ BND P401 DOM	3	S. Coffeyville, OK
2500011606	MJB4516P401D	16x45 DI MJ BND P401 DOM	3	Browntown, WI
2500011606	MJB4506P401D	6x45 DI MJ BND P401 DOM	18	S. Coffeyville, OK
2500011606	MJB4520P401D	20x45 DI MJ BND P401 DOM	8	S. Coffeyville, OK
2500011606	MJB9012P401D	12x90 DI MJ BND P401 DOM	1	S. Coffeyville, OK
2500011606	MJB9008P401D	8x90 DI MJ BND P401 DOM	3	S. Coffeyville, OK

STAR® PIPE PRODUCTS

4018 WESTHOLLOW PARKWAY HOUSTON, TEXAS 77082-4604
www.starpipeproducts.com

T: 281.558.3000
F: 281.558.9000



FOUNDRY
Page 51 of 147



2500011606	MJB4524P401D	24x45 DI MJ BND P401 DOM	10	S. Coffeyville, OK
2500011606	MJB9006P401D	6x90 DI MJ BND P401 DOM	7	S. Coffeyville, OK
2500011606	MJB9020P401D	20x90 DI MJ BND P401 DOM	3	Laurel, MS
2500011606	MJC06P401D	6 DI MJ CAP P401 DOM	4	S. Coffeyville, OK
2500011606	MJR0804P401D	8x4 DI MJ RED P401 DOM	1	Coolidge, TX
2500011606	MJR2420P401D	24x20 DI MJ RED P401 DOM	1	Blackwell, OK
2500011606	MJR2016P401D	20x16 DI MJ RED P401 DOM	1	Blackwell, OK
2500011606	MJR2016P401D	20x16 DI MJ RED P401 DOM	1	Blackwell, OK
2500011606	MJSL06P401D	6 DI MJ LNG SLV P401 DOM	2	S. Coffeyville, OK
2500011606	MJSL16P401D	16 DI MJ LNG SLV P401 DOM	1	S. Coffeyville, OK
2500011606	MJT2424P401D	24 DI MJ TEE P401 DOM	1	Laurel, MS
2500011606	MJT2412P401D	24x12 DI MJ TEE P401 DOM	1	Blackwell, OK
2500011606	MJL0606P401D	6 DI MJ LAT P401 DOM	2	S. Coffeyville, OK
2500011606	MJL0808P401D	8 DI MJ LAT P401 DOM	1	S. Coffeyville, OK
2500011606	MJDL2020P401D	20 DI MJ LAT-C110 P401 DOM	2	Calera, AL
2500011606	FBD9004P401D	4x90 DI FLG BND P401/TN140 DOM	29	S. Coffeyville, OK
2500011606	FBD4506P401D	6x45 DI FLG BND P401/TN140 DOM	2	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	9	S. Coffeyville, OK
2500011606	FBD9010P401D	10x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBBD9004P401D	4x90 DI FLG BASE BND P401/TN140 DOM	2	Coolidge, TX
2500011606	FBD9008P401D	8x90 DI FLG BND P401/TN140 DOM	10	S. Coffeyville, OK
2500011606	FBD4516P401D	16x45 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FRD1008P401D	10x8 DI FLG CONC RED P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FTD0808P401D	8 DI FLG TEE P401/TN140 DOM	3	S. Coffeyville, OK
2500011606	FTD1610P401D	16x10 DI FLG TEE P401/TN140 DOM	1	Blackwell, OK
2500011606	FTD0606P401D	6 DI FLG TEE P401/TN140 DOM	2	S. Coffeyville, OK
2500011606	FBD9018TND	18x90 DI FLG BND C/L W/TN RED 140 DOM	3	Calera, AL
2500011606	FBD4524TND	24x45 DI FLG BND TN140 DOM	2	Calera, AL
2500011606	FBD9024TND	24x90 DI FLG BND C/L W/TN RED 140 DOM	2	Calera, AL
2500011606	FBD9003TND	3x90 DI FLG BND C/L W/TN RED 140 DOM	4	S. Coffeyville, OK
2500011606	FBD4506TND	6x45 DI FLG BND C/L W/TN RED 140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006TND	6x90 DI FLG BND C/L W/TN RED 140 DOM	3	S. Coffeyville, OK
2500011606	FBD9012TND	12x90 DI FLG BND C/L W/TN RED 140 DOM	1	S. Coffeyville, OK
2500011606	FRD2018TND	20x18 DI FLG CONC REDC/L W/TN RED140 DOM	3	S. Coffeyville, OK
2500011606	FRD2420TND	24X20 DI FLG CONC REDC/L W/TN RED140 DOM	2	Laurel, MS
2500011606	FRD0604TND	6x4 DI FLG CONC RED C/L W/TN RED 140 DOM	3	S. Coffeyville, OK
2500011606	FTD1610TND	16x10 DI FLG TEE C/L W/TN RED 140 DOM	4	Blackwell, OK
2500011606	FTD1606TND	16x6 DI FLG TEE C/L W/TN RED 140 DOM	1	Blackwell, OK
2500011606	FTD2424TND	24 DI FLG TEE C/L W/TN RED 140 DOM	1	Calera, AL
2500011606	FTD0603TND	6x3 DI FLG TEE TN140 DOM	4	S. Coffeyville, OK
2500011606	FTD0606TND	6 DI FLG TEE C/L W/TN RED 140 DOM	2	S. Coffeyville, OK
2500011606	FBD9020P401D	20x90 DI FLG BND P401/TN140 DOM	2	Laurel, MS
2500011606	FBD9020P401D	20x90 DI FLG BND P401/TN140 DOM	3	Laurel, MS



2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	3	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	3	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FBD9006P401D	6x90 DI FLG BND P401/TN140 DOM	2	S. Coffeyville, OK
2500011606	FRD0604P401D	6x4 DI FLG CONC RED P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FTD0604P401D	6x4 DI FLG TEE P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FTD0604P401D	6x4 DI FLG TEE P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FTD0606P401D	6 DI FLG TEE P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FTD0606P401D	6 DI FLG TEE P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FTD0404P401D	4 DI FLG TEE P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FTD0606P401D	6 DI FLG TEE P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FLBD04TND	4 DI BLIND FLG TN140 DOM	1	S. Coffeyville, OK
2500011606	FLBD06TND	6 DI BLIND FLG TN140 DOM	1	S. Coffeyville, OK
2500011606	FLBD08TND	8 DI BLIND FLG TN140 DOM	8	S. Coffeyville, OK
2500011606	FLBD12TND	12 DI BLIND FLG C/L W/TN RED 140 DOM	4	S. Coffeyville, OK
2500011606	FLBD06TND	6 DI BLIND FLG TN140 DOM	3	S. Coffeyville, OK
2500011606	FLBD16TND	16 DI BLIND FLG C/L W/TN RED 140 DOM	1	S. Coffeyville, OK
2500011606	FLBD04P401D	4 DI BLIND FLG P401/TN140 DOM	1	S. Coffeyville, OK
2500011606	FLBD06P401D	6 DI BLIND FLG P401/TN140 DOM	1	S. Coffeyville, OK

Domestic Joint Restraints/Accessory Packs

*Gland and Wedges are manufactured in different foundries in the USA.

*Bolts, rods, and nuts sourced from Birmingham Fastener (Birmingham, AL)

*Mechanical Joint Gaskets sourced from Champion Rubber (Magnolia, TX) or Specification Rubber (Birmingham, AL)

*Made in USA Joint restraint packs with accessories are assembled in Houston, TX

*Foundry Locations subject to change



Crimson Steel Supply, LLC
990 N 129th E Ave | Tulsa, OK 74116
419 S Cherokee St | Muskogee, OK 74403
13800 S MacArthur Blvd | Oklahoma City, OK 73173

April 24, 2025

Crimson Steel Supply
990 N 129th E Ave
Tulsa, OK 74116

Subject: American Iron and Steel Certification for Project:

Glenpool Wastewater Treatment Plant
Glenpool, OK

To Whom It May Concern:

This letter certifies that the following products and/or materials shipped/provided to the subject project are in full compliance with the American Iron and Steel requirement as mandated in the EPA's State Revolving Fund Programs.

Item, Products, and/or Materials:

1. Reinforcing Steel, Grade 60

Such processes took place at the following locations:

1. Nucor Steel – Sedalia, MO
OR
2. CMC Steel – Durant, OK
OR
3. CMC Steel – Seguin, TX

If any of the above compliance statements change while providing material to this project we will immediately notify the prime contractor and engineer.

Thank you,

Scott Morrison
Sr Manager



Environmental Product Declaration

IN ACCORDANCE WITH ISO 14025 AND ISO 21930:2017

Program Operator: Smart EPD®
www.smartepd.com



SmartEPD-2025-086-0608-01

Unfabricated and Fabricated Steel Rebar

Date of Issue

Aug 25, 2025

Expiration date

Aug 25, 2030

Last updated

Mar 24, 2026



Refer to the EPD Library at www.smartepd.com for the latest EPD listing information

General Information

CMC

6565 North Macarthur Boulevard, Irving, TX 75039

214.689.4300

sustainability@cmc.com

cmc.com



Product Name:	Unfabricated and Fabricated Steel Rebar
Declared Unit:	1 metric ton
Declaration Number:	SmartEPD-2025-086-0608-01
Date of Issue:	August 25, 2025
Expiration:	August 25, 2030
Last updated:	March 24, 2026
EPD Scope:	Cradle to gate A1 - A3
Market(s) of Applicability:	North America

General Organization Information

CMC is an innovative solutions provider helping build a stronger, safer, and more sustainable world. Through an extensive manufacturing network principally located in the United States and Central Europe, CMC offer products and technologies to meet the critical reinforcement needs of the global construction sector. CMC's solutions support construction across a wide variety of applications, including infrastructure, non-residential, residential, industrial, and energy generation and transmission.

Further information can be found at: <https://www.cmc.com/>

Limitations, Liability and Ownership

Environmental declarations from different programs based upon differing PCRs may not be comparable. Comparison of the environmental performance of products using EPD information shall be based on the product's use and impacts at the building level, and therefore EPDs may not be used for comparability purposes when not considering the whole building life cycle. Full conformance with the PCR for Designated Steel Construction Products allows EPD comparability only when all stages of a life cycle have been considered, when they comply with all referenced standards, use the same sub-category Part B PCR, and use equivalent scenarios with respect to construction works. However, variations and deviations are possible. Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared. The environmental impact results of steel products in this document are based on a declared unit and therefore do not provide sufficient information to establish comparisons. The results shall not be used for comparisons without knowledge of how the physical properties of the steel product impact the precise function at the construction level. The environmental impact results shall be converted to a functional unit basis before any comparison is attempted. The EPD owner has sole ownership, liability, and responsibility for the EPD.

Reference Standards

Standard(s): ISO 14025 and ISO 21930:2017



Core PCR:	UL Part A PCR for Building-Related Products and Services v.4 Date of issue: March 01, 2022
Sub-category PCR:	UL Part B: Designated Steel Construction Products Date of issue: August 26, 2020 Valid until: August 26, 2025
Sub-category PCR review panel:	Contact Smart EPD for more information.
General Program Instructions:	Smart EPD General Program Instructions v.1.0, November 2022

Verification Information

LCA Author/Creator:	McKay Quinn mquinn@trinityconsultants.com
EPD Program Operator:	Smart EPD info@smartepd.com www.smartepd.com 585 Grove St., Ste. 145, Herndon, VA 20170, USA
Verification:	Independent critical review of the LCA and data, according to ISO 14044 and ISO 14071: Brandie Sebastian brandie@bsebastianconsulting.com Independent external verification of EPD, according to ISO 14025 and reference PCR(s): Brandie Sebastian brandie@bsebastianconsulting.com

External

External

Product Information

Declared Unit:	1 metric ton
Mass:	1000 kg
Product Specificity:	Product Average Product Specific
Variation in GWP Result (Products):	+83% to +113%

Product Description

Rebar, also known as reinforcing steel, is an essential component in construction, commonly used in bridges, buildings, skyscrapers, homes, warehouses, and foundations to enhance the strength of concrete structures. Uncoated reinforcement bars (coiled, spooled, straight; deformed or smooth) primary function is to reinforce concrete, which is naturally weak in tension, by leveraging the tensile and compressive strength of steel, as defined by the Concrete Reinforcing Steel Institute (CRSI).

The rebar can be fabricated in CMC fabrication shops where it is cut and bent per customer request and assembled of specific pieces of rebar for installation in a concrete structure. Rebar is fabricated at a number of fabrication facilities. In order to represent the fabrication process, three representative facilities were averaged and used as a proxy for fabrication.



Further information can be found at: <https://www.cmc.com/en-US/What-We-Do/America/Mill-Products/rebar>

Product Specifications

Product Classification Codes:

EC3 - Steel -> RebarSteel
Masterformat - 03 21 00
UNSPSC - 30103623

Form Factor:

Steel >> RebarSteel

Steel Type:

Alloy

Options:

✓ Cold Finished

✓ Fabricated

Material Composition

Material/Component Category	Origin	% Mass
Recycled steel	GLO	>97%
Carbon	GLO	0% - 2%
Manganese	GLO	0% - 2%
Silicon	GLO	0% - 2%
Chromium	GLO	0% - 2%
Nickel	GLO	0% - 2%
Molybdenum	GLO	0% - 2%
Vanadium	GLO	0% - 2%
Copper	GLO	0% - 2%
Tin	GLO	0% - 2%
Sulfur	GLO	0% - 2%
Phosporus	GLO	0% - 2%
Pig Iron	GLO	0% - 1%

Hazardous Materials

No regulated hazardous or dangerous substances are included in this product.

EPD Data Specificity

Primary Data Year:

FY2024

Manufacturing Specificity:

✗ Industry Average

- ✓ Manufacturer Average
- ✓ Facility Specific

Averaging:

Unfabricated rebar is produced at Mesa, AZ, Jacksonville, FL, Sayreville, NJ, Durant, OK, Cayce, SC, Knoxville, TN, and Seguin, TX. At each of these facilities, material inputs, electricity, natural gas consumption, direct emissions, water use and waste/recycled material outputs were allocated to rebar on a mass basis. The unfabricated results for rebar were developed using an average of the LCA results per facility, weighted according to each facility's contribution to the total unfabricated rebar production in FY2024 (i.e., September 1, 2023 – August 31, 2024).

Unfabricated rebar may then be transported to a number of fabrication facilities. In order to represent the fabrication process, three representative facilities were averaged and used as a proxy for fabrication: Fresno, CA, Dallas, TX, and Fredericksburg, VA. For fabrication facilities, an average of 1.079 metric tons of unfabricated rebar is required to fabricate 1 metric ton of fabricated rebar. A weighted average of actual data from the fabrication facilities was used to represent transport from the steel mills and determine the impacts of the unfabricated rebar used at the fabrication facilities. As was the case with unfabricated rebar, the fabricated results for rebar were developed using an average of the LCA results per facility, weighted according to each facility's contribution to the total fabricated rebar production in FY2024 (i.e., September 1, 2023 – August 31, 2024).

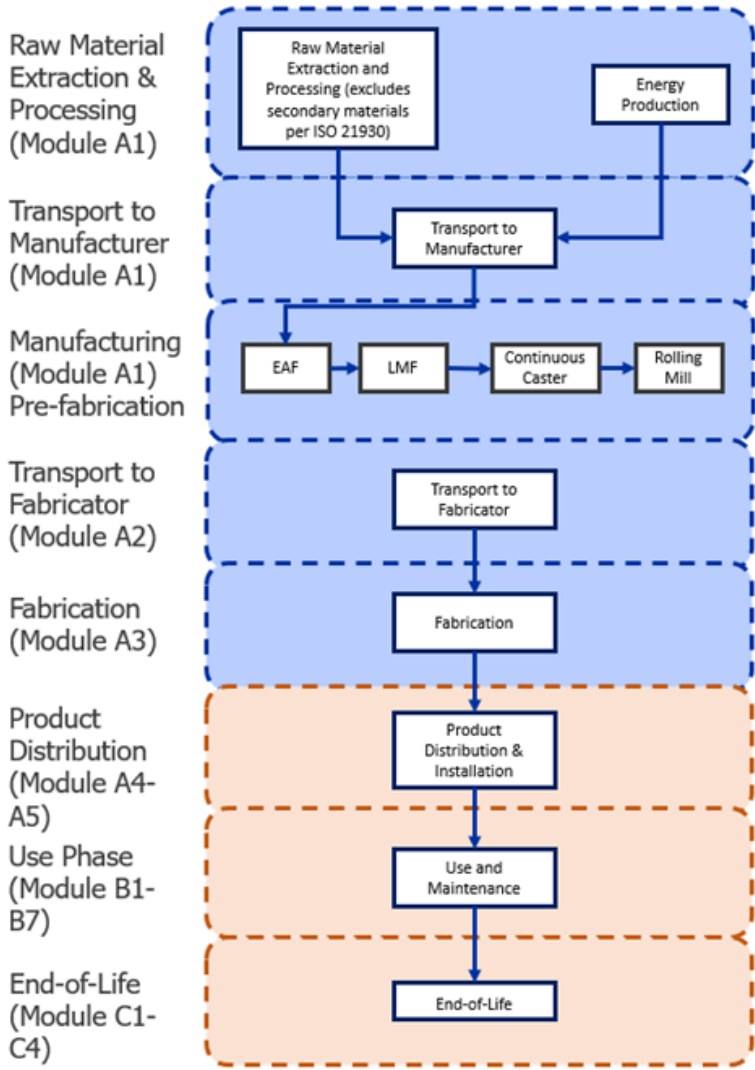
System Boundary

Production	A1	Raw material supply	✓
	A2	Transport	✓
	A3	Manufacturing	✓
Construction	A4	Transport to site	ND
	A5	Assembly / Install	ND
Use	B1	Use	ND
	B2	Maintenance	ND
	B3	Repair	ND
	B4	Replacement	ND
	B5	Refurbishment	ND
	B6	Operational Energy Use	ND
	B7	Operational Water Use	ND
End of Life	C1	Deconstruction	ND
	C2	Transport	ND
	C3	Waste Processing	ND
	C4	Disposal	ND

Benefits & Loads Beyond System Boundary	D	Recycling, Reuse Recovery Potential	ND
---	---	-------------------------------------	----

Note:
ND = Module not declared

Product Composition Diagram

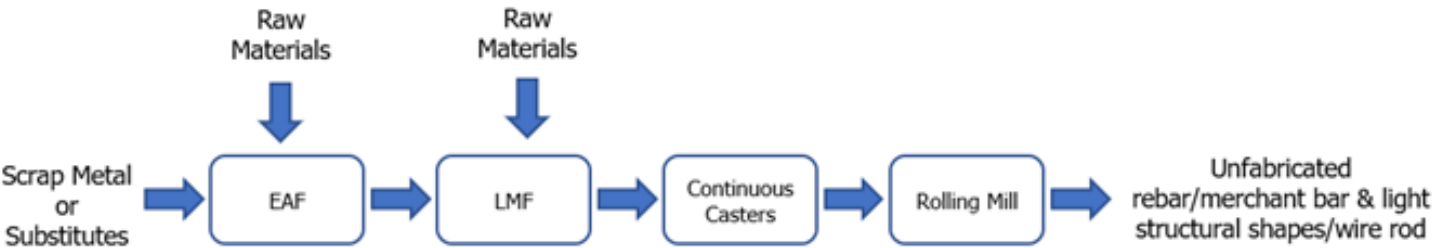


Plants

- CMC - Mesa, AZ 11444 East Germann Road, Mesa, AZ, USA
- CMC - Jacksonville, FL 16770 Rebar Road, Jacksonville, FL, USA
- CMC - Sayreville, NJ 1 Crossman Road North, Sayreville, NJ, USA
- CMC - Cayce, SC CMC Steel South Carolina, New State Road, Cayce, SC, USA

- CMC - Knoxville, TN 1919 Tennessee Avenue, Knoxville, TN, USA
- CMC - Seguin, TX CMC Steel Texas, Steel Mill Drive, Seguin, TX, USA
- CMC Rebar - Waxahachie, TX 901 Cantrell Street, Waxahachie, TX, USA
- CMC Rebar - Fresno, CA 2990 East Annadale Avenue, Fresno, CA, USA
- CMC Rebar - Dallas, TX 4646 Singleton Boulevard, Dallas, TX, USA
- CMC Rebar - Fredericksburg, VA 9434 Crossroads Parkway, Fredericksburg, VA, USA
- CMC - Durant, OK 584 Old Highway 70, Durant, OK, USA

Product Flow Diagram



CMC owns and operates steel micro-mills and mini mills that utilize Electric Arc Furnace (EAF) steel recycling technology. The EAF is charged with scrap, and an electric current is applied via large electrodes made of graphite or other high carbon material to melt the raw materials. Some mills are equipped with co-jet burners which introduce natural gas and oxygen for oxyfuel combustion. These burners even out energy imbalances, reduce furnace hot spots, and improve the overall energy efficiency of the process. Additives are introduced during the melting process to maintain the optimal steel melting conditions, to achieve the desired steel grade, and to remove impurities by migrating them to the slag. Once the desired composition is attained, the molten steel is then fed to a continuous casting process using water-cooled copper molds in which the steel cools and solidifies into billets.

At the rolling mill, the billets are reheated in a natural gas furnace and rolled into a variety of shapes, such as parallel flange sections, angles, channels, tees, and cylinders (rebar). Any steel scrap generated is recycled internally (i.e., put back into the EAF) or sent to other facilities to be recycled. The hot-rolled structural steel is cooled and then can either be transported off-site for distribution or be further processed.

Once unfabricated steel product is manufactured, it may be transported off-site to be fabricated where it may be detailed, cut, drilled, bolted, welded, epoxy-coated, and otherwise processed at the fabricator in order to prepare the products for installation.

Software And Database

LCA Software:	GaBi v. 10.9.1.10		
LCI Foreground Database(s):	GaBi Professional Database v. 2025.1	North America	cut-off
LCI Background Database(s):	GaBi Professional Database v. 2025.1	North America	cut-off

A foreground LCI database is the database used to model the primary, site-specific data collected for this EPD. A background LCI database is the database used to model generic or non-specific data.

Data Quality

A variety of tests and checks were performed by the LCA practitioner throughout the project to ensure high quality of the completed LCA. Checks included an extensive review of project-specific LCA models as well as the background data used.



CMC production data has been collected by CMC directly from the production sites and are average values for fiscal year 2024 (12 consecutive months of averaged data as required for manufacturer-specific data sets). The data has been measured and verified internally. The data is assumed to be the most relevant according to current conditions and production practices. Based on availability of data, natural gas, and electricity usage for the operation of administrative offices was included in the system boundary.

Time-related coverage, geographical coverage, technological coverage, precision, completeness, representativeness, consistency, reproducibility, sources of data, and uncertainty have each been analyzed as part of this LCA. All inputs and data sources meet the requirements set forth in the PCR and there is no reason to believe that any of the employed material, data, or inputs are not representative of the product under study.

Life Cycle Module Description

Per the PCR, this cradle-to-gate analysis provides information on the Product Stage of the steel product life cycle, including modules A1, A2, and A3. Product delivery, installation and use, and product disposal (modules A4-A5, B1-B7, C1-C4, and D) have not been included. As applicable, Module A1 includes raw material supply to CMC Steel Mill Facilities or CMC Fabrication Facilities, including external steel. Module A2 includes transport to and between the steel mills or fabrication sites. Module A3 includes manufacturing of mill products (unfabricated rebar) or the fabrication of the rebar at the fabrication sites; including ancillary service operations and packaging for dispatch to customers at the exit gate of the fabrication sites.

LCA Discussion

Allocation Procedure

Per ISO 21930 and the PCR, this is an attributional LCA and as such, no allocation using system expansion was performed. Allocation of background data (energy and materials) taken from the Managed LCA Content (formerly known as GaBi databases) is documented online at <https://sphera.com/life-cycle-assessment-lca-database/>. No allocation was conducted for recycling occurring at the facility, and there are no reuse or energy recovery operations occurring at CMC facilities.

CMC steel mills EAFs produce steel billet and slag. All slag is sold as-is. Of the steel billet, a portion may be transported to another steel mill for further processing and a portion may remain at the same steel mill for further processing. The slag and steel billet are considered co-products of the product system resulting from a joint co-production process. Therefore, this study allocated the environmental burden of the EAF between the slag and steel products via physical partitioning for the unfabricated rebar products.

Additionally, in limited instances, CMC used operational data to allocate specific inputs between the designated products at the facility. In cases where such data was not available, the system inputs/outputs at a given facility were allocated to each product produced at the facility in proportion to manufacture of each product as a fraction of total facility production. (E.g., if a given facility produced 40% rebar and 60% merchant bar and light structural shapes, inputs/outputs were allocated 40% to rebar production and 60% to merchant bar and light structural shape production.).

Cut-off Procedure

According to the PCR, processes contributing greater than 1% of the total environmental impact indicator for each impact are included in the inventory. In cases where no matching life cycle inventories were available to represent a flow, proxy data were applied based on conservative assumptions regarding environmental impacts. No data gaps were allowed which were expected to significantly affect the outcome of the indicator results. No other known flows are deliberately excluded from this EPD.

The mass input of each of these omitted streams is less than 1% of the total mass input streams for their respective unit processes and the cumulative mass input of all of the omitted streams is less than 5% of the total mass input streams. Therefore, no data gaps were allowed which were expected to significantly affect the outcome of the indicator results.

Renewable Electricity

Energy Attribute Certificates (EACs) such as ✖ No
Renewable Energy Certificates (RECs) or Power
Purchase Agreements (PPAs) are included in the
baseline reported results:

Results

Environmental Impact Assessment Results

IPCC AR5 GWP 100, TRACI 2.1, CML v4.7
per 1 metric ton of product.

LCIA results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins or risks.

Unfabricated Rebar Results - Without Renewable Energy Certificates

Impact Category	Method	Indicator	A1	A2	A3	A1 - A3
GWP-total	IPCC AR5 GWP 100	ND	1.58e+2	1.56e+1	4.35e+2	6.08e+2
ODP	TRACI 2.1	ND	4.18e-10	1.35e-12	5.15e-11	4.71e-10
AP	TRACI 2.1	ND	4.63e-1	5.40e-2	4.70e-1	9.87e-1
EP	TRACI 2.1	ND	1.53e-2	4.22e-3	3.69e-2	5.64e-2
POCP	TRACI 2.1	ND	6.41e+0	1.35e+0	7.56e+0	1.53e+1
ADP-fossil	CML v4.7	ND	2.66e+3	1.98e+2	3.12e+3	5.98e+3

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

GWP = Global Warming Potential, 100 years (may also be denoted as GWP-total, GWP-fossil (fossil fuels), GWP-biogenic (biogenic sources), GWP-luluc (land use and land use change)), ODP = Ozone Depletion Potential, AP = Acidification Potential, EP = Eutrophication Potential, SFP = Smog Formation Potential, POCP = Photochemical oxidant creation potential, ADP-Fossil = Abiotic depletion potential for fossil resources, ADP-Minerals&Metals = Abiotic depletion potential for non-fossil resources, WDP = Water deprivation potential, PM = Particular Matter Emissions, IRP = Ionizing radiation, human health, ETP-fw = Eco-toxicity (freshwater), HTP-c = Human toxicity (cancer), HTP-nc = Human toxicity (non-cancer), SQP = Soil quality index.

Comparisons cannot be made between product-specific or industry average EPDs at the design stage of a project, before a building has been specified. Comparisons may be made between product-specific or industry average EPDs at the time of product purchase when product performance and specifications have been established and serve as a functional unit for comparison. Environmental impact results shall be converted to a functional unit basis before any comparison is attempted. Any comparison of EPDs shall be subject to the requirements of ISO 21930 or EN 15804. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries, are based on different product category rules or are missing relevant environmental impacts. Such comparison can be inaccurate, and could lead to erroneous selection of materials or products which are higher-impact, at least in some impact categories.

Fabricated Rebar Results - Without Renewable Energy Certificates

Impact Category	Method	Indicator	A1	A2	A3	A1 - A3
GWP-total	IPCC AR5 GWP 100	ND	6.57e+2	3.25e+1	2.77e+1	7.17e+2
ODP	TRACI 2.1	ND	5.08e-10	2.29e-12	1.74e-10	6.85e-10
AP	TRACI 2.1	ND	1.07e+0	9.40e-2	1.05e-1	1.26e+0
EP	TRACI 2.1	ND	6.09e-2	7.77e-3	6.40e-3	7.51e-2
POCP	TRACI 2.1	ND	1.65e+1	2.27e+0	1.74e+0	2.05e+1
ADP-fossil	CML v4.7	ND	6.45e+3	4.13e+2	4.45e+2	7.31e+3

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

GWP = Global Warming Potential, 100 years (may also be denoted as GWP-total, GWP-fossil (fossil fuels), GWP-biogenic (biogenic sources), GWP-luluc (land use and land use change)), ODP = Ozone Depletion Potential, AP = Acidification Potential, EP = Eutrophication Potential, SFP = Smog Formation Potential, POCP = Photochemical oxidant creation potential, ADP-Fossil = Abiotic depletion potential for fossil resources, ADP-Minerals&Metals = Abiotic depletion potential for non-fossil resources, WDP = Water deprivation potential, PM = Particular Matter Emissions, IRP = Ionizing radiation, human health, ETP-fw = Eco-toxicity (freshwater), HTP-c = Human toxicity (cancer), HTP-nc = Human toxicity (non-cancer), SQP = Soil quality index.

Comparisons cannot be made between product-specific or industry average EPDs at the design stage of a project, before a building has been specified. Comparisons may be made between product-specific or industry average EPDs at the time of product purchase when product performance and specifications have been established and serve as a functional unit for comparison. Environmental impact results shall be converted to a functional unit basis before any comparison is attempted. Any comparison of EPDs shall be subject to the requirements of ISO 21930 or EN 15804. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries, are based on different product category rules or are missing relevant environmental impacts. Such comparison can be inaccurate, and could lead to erroneous selection of materials or products which are higher-impact, at least in some impact categories.

Unfabricated Rebar Results - With Renewable Energy Certificates

Impact Category	Method	Indicator	A1	A2	A3	A1 - A3
GWP-total	IPCC AR5 GWP 100	ND	1.58e+2	1.56e+1	4.30e+2	6.04e+2
ODP	TRACI 2.1	ND	4.18e-10	1.35e-12	7.64e-11	4.95e-10
AP	TRACI 2.1	ND	4.63e-1	5.40e-2	4.66e-1	9.83e-1
EP	TRACI 2.1	ND	1.53e-2	4.22e-3	3.66e-2	5.61e-2
POCP	TRACI 2.1	ND	6.41e+0	1.35e+0	7.50e+0	1.53e+1
ADP-fossil	CML v4.7	ND	2.66e+3	1.98e+2	3.06e+3	5.92e+3

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

GWP = Global Warming Potential, 100 years (may also be denoted as GWP-total, GWP-fossil (fossil fuels), GWP-biogenic (biogenic sources), GWP-luluc (land use and land use change)), ODP = Ozone Depletion Potential, AP = Acidification Potential, EP = Eutrophication Potential, SFP = Smog Formation Potential, POCP = Photochemical oxidant creation potential, ADP-Fossil = Abiotic depletion potential for fossil resources, ADP-Minerals&Metals = Abiotic depletion potential for non-fossil resources, WDP = Water deprivation potential, PM = Particular Matter Emissions, IRP = Ionizing radiation, human health, ETP-fw = Eco-toxicity (freshwater), HTP-c = Human toxicity (cancer), HTP-nc = Human toxicity (non-cancer), SQP = Soil quality index.

Comparisons cannot be made between product-specific or industry average EPDs at the design stage of a project, before a building has been specified. Comparisons may be made between product-specific or industry average EPDs at the time of product purchase when product performance and specifications have been established and serve as a functional unit for comparison. Environmental impact results shall be converted to a functional unit basis before any comparison is attempted. Any comparison of EPDs shall be subject to the requirements of ISO 21930 or EN 15804. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries. EPDs are not

comparative assertions and are either not comparable or have limited comparability when they have different system boundaries, are based on different product category rules or are missing relevant environmental impacts. Such comparison can be inaccurate, and could lead to erroneous selection of materials or products which are higher-impact, at least in some impact categories.

Fabricated Rebar Results - With Renewable Energy Certificates

Impact Category	Method	Indicator	A1	A2	A3	A1 - A3
GWP-total	IPCC AR5 GWP 100	ND	6.51e+2	3.25e+1	2.77e+1	7.12e+2
ODP	TRACI 2.1	ND	5.35e-10	2.29e-12	1.74e-10	7.11e-10
AP	TRACI 2.1	ND	1.06e+0	9.40e-2	1.05e-1	1.26e+0
EP	TRACI 2.1	ND	6.06e-2	7.77e-3	6.40e-3	7.47e-2
POCP	TRACI 2.1	ND	1.65e+1	2.27e+0	1.74e+0	2.05e+1
ADP-fossil	CML v4.7	ND	6.39e+3	4.13e+2	4.45e+2	7.24e+3

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

GWP = Global Warming Potential, 100 years (may also be denoted as GWP-total, GWP-fossil (fossil fuels), GWP-biogenic (biogenic sources), GWP-luluc (land use and land use change)), ODP = Ozone Depletion Potential, AP = Acidification Potential, EP = Eutrophication Potential, SFP = Smog Formation Potential, POCP = Photochemical oxidant creation potential, ADP-Fossil = Abiotic depletion potential for fossil resources, ADP-Minerals&Metals = Abiotic depletion potential for non-fossil resources, WDP = Water deprivation potential, PM = Particular Matter Emissions, IRP = Ionizing radiation, human health, ETP-fw = Eco-toxicity (freshwater), HTP-c = Human toxicity (cancer), HTP-nc = Human toxicity (non-cancer), SQP = Soil quality index.

Comparisons cannot be made between product-specific or industry average EPDs at the design stage of a project, before a building has been specified. Comparisons may be made between product-specific or industry average EPDs at the time of product purchase when product performance and specifications have been established and serve as a functional unit for comparison. Environmental impact results shall be converted to a functional unit basis before any comparison is attempted. Any comparison of EPDs shall be subject to the requirements of ISO 21930 or EN 15804. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries, are based on different product category rules or are missing relevant environmental impacts. Such comparison can be inaccurate, and could lead to erroneous selection of materials or products which are higher-impact, at least in some impact categories.

Resource Use Indicator

per 1 metric ton of product.

Unfabricated Rebar Results - Without Renewable Energy Certificates

Indicator	Unit	A1	A2	A3	A1 - A3
RPRE	MJ, LHV	1.60e+2	2.90e+1	1.25e+3	1.44e+3
RPRM	MJ, LHV	0	ND	ND	0
NRPRE	MJ, LHV	2.30e+3	2.20e+2	4.39e+3	6.91e+3
NRPRM	MJ, LHV	4.25e+2	ND	ND	4.25e+2
SM	kg	1.08e+3	ND	0	1.08e+3
RSF	MJ, LHV	ND	ND	0	0
NRSF	MJ, LHV	ND	ND	0	0
RE	MJ, LHV	ND	ND	0	0
FW	m3	3.81e-1	3.26e-2	1.84e+0	2.25e+0

Note:



Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

RPRE or PERE = Renewable primary resources used as energy carrier (fuel), RPRM or PERM = Renewable primary resources with energy content used as material, RPRT or PERT = Total use of renewable primary resources with energy content, NRPRE or PENRE = Non-renewable primary resources used as an energy carrier (fuel), NRPRM or PENRM = Non-renewable primary resources with energy content used as material, NRPRT or PENRT = Total non-renewable primary resources with energy content, SM = Secondary materials, RSF = Renewable secondary fuels, NRSF = Non-renewable secondary fuels, RE = Recovered energy, ADPF = Abiotic depletion potential, FW = Use of net freshwater resources, VOCs = Volatile Organic Compounds.

Fabricated Rebar Results - Without Renewable Energy Certificates

Indicator	Unit	A1	A2	A3	A1 - A3
RPRE	MJ, LHV	1.55e+3	4.38e+1	4.22e+2	2.02e+3
RPRM	MJ, LHV	0	ND	ND	0
NRPRE	MJ, LHV	7.46e+3	4.43e+2	5.61e+2	8.46e+3
NRPRM	MJ, LHV	4.59e+2	ND	ND	4.59e+2
SM	kg	1.16e+3	ND	0	1.16e+3
RSF	MJ, LHV	ND	ND	0	0
NRSF	MJ, LHV	ND	ND	0	0
RE	MJ, LHV	ND	ND	0	0
FW	m3	2.44e+0	4.89e-2	2.66e-1	2.75e+0

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

RPRE or PERE = Renewable primary resources used as energy carrier (fuel), RPRM or PERM = Renewable primary resources with energy content used as material, RPRT or PERT = Total use of renewable primary resources with energy content, NRPRE or PENRE = Non-renewable primary resources used as an energy carrier (fuel), NRPRM or PENRM = Non-renewable primary resources with energy content used as material, NRPRT or PENRT = Total non-renewable primary resources with energy content, SM = Secondary materials, RSF = Renewable secondary fuels, NRSF = Non-renewable secondary fuels, RE = Recovered energy, ADPF = Abiotic depletion potential, FW = Use of net freshwater resources, VOCs = Volatile Organic Compounds.

Unfabricated Rebar Results - With Renewable Energy Certificates

Indicator	Unit	A1	A2	A3	A1 - A3
RPRE	MJ, LHV	1.60e+2	2.90e+1	1.49e+3	1.68e+3
RPRM	MJ, LHV	0	ND	ND	0
NRPRE	MJ, LHV	2.30e+3	2.20e+2	4.30e+3	6.82e+3
NRPRM	MJ, LHV	4.25e+2	ND	ND	4.25e+2
SM	kg	1.08e+3	ND	0	1.08e+3
RSF	MJ, LHV	ND	ND	0	0
NRSF	MJ, LHV	ND	ND	0	0
RE	MJ, LHV	ND	ND	0	0
FW	m3	3.81e-1	3.26e-2	1.81e+0	2.23e+0

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

RPRE or PERE = Renewable primary resources used as energy carrier (fuel), RPRM or PERM = Renewable primary resources with energy content used as material, RPRT or PERT = Total use of renewable primary resources with energy content, NRPRE or PENRE = Non-renewable primary resources used as an energy carrier (fuel), NRPRM or PENRM = Non-renewable primary resources with energy content used as material, NRPRT or PENRT = Total non-renewable primary resources with energy content, SM = Secondary materials, RSF = Renewable secondary fuels, NRSF = Non-renewable secondary fuels, RE = Recovered energy, ADPF = Abiotic depletion potential, FW = Use of net freshwater resources, VOCs = Volatile Organic Compounds.



Fabricated Rebar Results - With Renewable Energy Certificates

Indicator	Unit	A1	A2	A3	A1 - A3
RPRE	MJ, LHV	1.81e+3	4.38e+1	4.22e+2	2.28e+3
RPRM	MJ, LHV	0	ND	ND	0
NRPRE	MJ, LHV	7.37e+3	4.43e+2	5.61e+2	8.37e+3
NRPRM	MJ, LHV	4.59e+2	ND	ND	4.59e+2
SM	kg	1.16e+3	ND	0	1.16e+3
RSF	MJ, LHV	ND	ND	0	0
NRSF	MJ, LHV	ND	ND	0	0
RE	MJ, LHV	ND	ND	0	0
FW	m3	2.41e+0	4.89e-2	2.66e-1	2.72e+0

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

RPRE or PERE = Renewable primary resources used as energy carrier (fuel), RPRM or PERM = Renewable primary resources with energy content used as material, RPRT or PERT = Total use of renewable primary resources with energy content, NRPRE or PENRE = Non-renewable primary resources used as an energy carrier (fuel), NRPRM or PENRM = Non-renewable primary resources with energy content used as material, NRPRT or PENRT = Total non-renewable primary resources with energy content, SM = Secondary materials, RSF = Renewable secondary fuels, NRSF = Non-renewable secondary fuels, RE = Recovered energy, ADPF = Abiotic depletion potential, FW = Use of net freshwater resources, VOCs = Volatile Organic Compounds.

Waste and Output Flow Indicators

per 1 metric ton of product.

Unfabricated Rebar Results - Without Renewable Energy Certificates

Indicator	Unit	A1	A2	A3	A1 - A3
HWD	kg	0	ND	1.55e-1	1.55e-1
NHWD	kg	0	ND	9.98e+0	9.98e+0
HLRW	kg	2.75e-5	9.59e-6	5.39e-4	5.76e-4
ILLRW	kg	2.39e-2	8.01e-3	4.51e-1	4.83e-1
CRU	kg	ND	ND	ND	ND
MFR	kg	0	ND	3.36e+1	3.36e+1
MER	kg	ND	ND	0	0
EEE	MJ, LHV	ND	ND	0	0

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

HWD = Hazardous waste disposed, NHWD = Non-hazardous waste disposed, RWD = Radioactive waste disposed, HLRW = High-level radioactive waste, ILLRW = Intermediate- and low-level radioactive waste, CRU = Components for re-use, MFR or MR = Materials for recycling, MER = Materials for energy recovery, MNER = Materials for incineration, no energy recovery, EE or EEE = Recovered energy exported from the product system, EET = Exported thermal energy.



Fabricated Rebar Results - Without Renewable Energy Certificates

Indicator	Unit	A1	A2	A3	A1 - A3
HWD	kg	1.68e-1	ND	2.27e-2	1.91e-1
NHWD	kg	0	ND	2.92e+0	2.92e+0
HLRW	kg	6.22e-4	1.29e-5	4.51e-5	6.80e-4
ILLRW	kg	5.22e-1	1.08e-2	3.77e-2	5.70e-1
CRU	kg	ND	ND	ND	ND
MFR	kg	3.62e+1	ND	2.39e+0	3.86e+1
MER	kg	ND	ND	0	0
EEE	MJ, LHV	ND	ND	0	0

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

HWD = Hazardous waste disposed, NHWD = Non-hazardous waste disposed, RWD = Radioactive waste disposed, HLRW = High-level radioactive waste, ILLRW = Intermediate- and low-level radioactive waste, CRU = Components for re-use, MFR or MR = Materials for recycling, MER = Materials for energy recovery, MNER = Materials for incineration, no energy recovery, EE or EEE = Recovered energy exported from the product system, EET = Exported thermal energy.

Unfabricated Rebar Results - With Renewable Energy Certificates

Indicator	Unit	A1	A2	A3	A1 - A3
HWD	kg	0	ND	1.55e-1	1.55e-1
NHWD	kg	0	ND	9.98e+0	9.98e+0
HLRW	kg	2.75e-5	9.59e-6	5.27e-4	5.64e-4
ILLRW	kg	2.39e-2	8.01e-3	4.41e-1	4.73e-1
CRU	kg	ND	ND	ND	ND
MFR	kg	0	ND	3.36e+1	3.36e+1
MER	kg	ND	ND	0	0
EEE	MJ, LHV	ND	ND	0	0

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

HWD = Hazardous waste disposed, NHWD = Non-hazardous waste disposed, RWD = Radioactive waste disposed, HLRW = High-level radioactive waste, ILLRW = Intermediate- and low-level radioactive waste, CRU = Components for re-use, MFR or MR = Materials for recycling, MER = Materials for energy recovery, MNER = Materials for incineration, no energy recovery, EE or EEE = Recovered energy exported from the product system, EET = Exported thermal energy.

Fabricated Rebar Results - With Renewable Energy Certificates

Indicator	Unit	A1	A2	A3	A1 - A3
HWD	kg	1.68e-1	ND	2.27e-2	1.90e-1
NHWD	kg	0	ND	2.92e+0	2.92e+0
HLRW	kg	6.09e-4	1.29e-5	4.51e-5	6.67e-4
ILLRW	kg	5.11e-1	1.08e-2	3.77e-2	5.59e-1
CRU	kg	ND	ND	ND	ND
MFR	kg	3.62e+1	ND	2.39e+0	3.86e+1
MER	kg	ND	ND	0	0
EEE	MJ, LHV	ND	ND	0	0

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

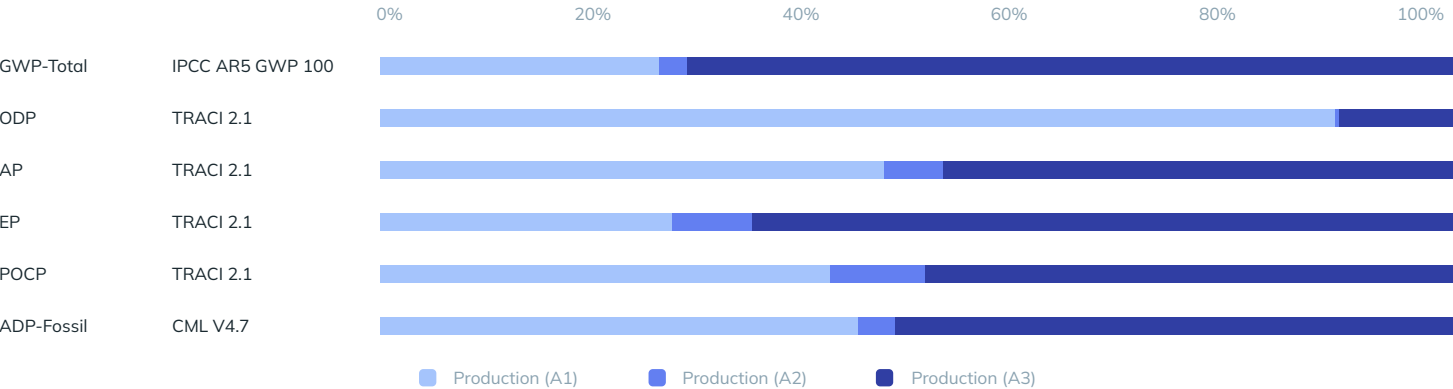
HWD = Hazardous waste disposed, NHWD = Non-hazardous waste disposed, RWD = Radioactive waste disposed, HLRW = High-level radioactive waste, ILLRW = Intermediate- and low-level radioactive waste, CRU = Components for re-use, MFR or MR = Materials for recycling, MER = Materials for energy recovery, MNER = Materials for incineration, no energy recovery, EE or EEE = Recovered energy exported from the product system, EET = Exported thermal energy.

Interpretation

For unfabricated rebar products, the impact assessment results indicate that Module A1, i.e. raw materials, is the key contributor to environmental impact categories for ozone depletion potential. Module A2, i.e. transport to the mill, is not the most significant contributor to any impact category. Module A3, i.e. manufacturing at the mill, is the key contributor to global warming potential, acidification potential, smog formation potential, eutrophication potential, and abiotic resource depletion potential of fossil energy resources.

For fabricated rebar products, the impact assessment results indicate Module A1, i.e. raw materials including unfabricated steel product, is the key contributor to environmental impact categories including global warming potential, acidification potential, smog formation potential, eutrophication potential, and abiotic resource depletion potential of fossil energy resources. Module A2, i.e. transport to the fabrication facility, is not the most significant contributor to any impact category. Module A3, i.e. fabrication, is the key contributor to ozone depletion potential.

The interpretation diagram represents the unfabricated rebar product (without RECs).





Additional Environmental Information

Health and Safety

CMC implements Occupational Health and safety procedures including job-specific training, Safety Perception Surveys, the Proactive Safety Program and our global incident management system. Refer to the specific CMC 's Occupational Health and Safety Policy.[1]

Safety

CMC integrates a comprehensive, industry-leading health and safety program across all its global facilities. This includes full alignment with Occupational Health and Safety (OH&S) management systems and principles that promote a zero-incident culture. Key elements include compliance with legal and internal safety standards, proactive risk reduction, employee engagement, and the use of data analytics for performance monitoring. All incidents are investigated to drive continual improvement. CMC's safety culture applies to employees, contractors, visitors, and suppliers, with expectations outlined in its supplier code of conduct and OH&S policies.

Environmental Activities and Certifications

Certain additional environmental activities and certifications are discussed in the following subsections. More information on CMC's certifications and environmental initiatives can be found at <https://esg.cmc.com/about/esg-at-cmc/> and <https://www.cmc.com/en-us/>.

ISO 14001:2015 Environmental Management System

The environmental performance of CMC steel mills focuses on continuous improvement through internal and external training, application of new technologies and how data and results are communicated. To provide a framework for CMC teammates to follow, CMC utilizes ISO 14001, which is the international standard that establishes specific requirements for an effective environmental management system (EMS). CMC Steel New Jersey is certified to ISO 14001. In addition, six of CMC's mills in the United States are certified to the ISO 9001 standard for an effective Quality Management System (QMS), which covers certain environmental conditions, and three mills have QMSs that are modeled after the ISO 9001 standard.

Sustainability

CMC has been making steel using an electric arc furnace (EAF) that melts recycled scrap and turns it into new steel. CMC strives to purchase a greater percentage of energy produced from renewable resources.

CMC's environmental initiatives incorporate the climate-related risks and opportunities for our global operations that were identified in a climate risk assessment (CRA) completed in 2023. The CRA process was led by a third party and aligned with the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD) to assess both physical and transition risks over short-, medium- and long-term timeframes. The CRA also helped identify stakeholder expectations regarding climate risk disclosure, including evolving sustainability reporting requirements by the U.S. Securities and Exchange Commission (SEC) and the EU's Corporate Sustainability Reporting Directive (CSRD).

Recycled Materials Content

CMC's steel mills utilize state-of-the-art EAF technology to make steel. This technology uses pre- and post-consumer recycled scrap as the primary raw material for the steelmaking process and averages 98.0% recycled content. With a significantly high percentage of recycled materials, all of CMC's products play a major role in "green construction" and are a positive contributor to the LEED® rating system.

As a result of our processes, CMC saves approximately 17 billion pounds of scrap metal from being landfilled annually. By using recycled steel as a key raw material, we also minimize the mining and extraction of virgin raw materials, which reduces potential negative impacts on biodiversity.

Waste and Water Recycling

CMC recognizes water as a vital resource and recycles it multiple times throughout operations. Over 91% of water used is recycled, and 5 of CMC's 10 steel mills are zero water discharge facilities. CMC's water withdrawal intensity is just 4% of the steel industry average. All water use and discharges comply with applicable laws and regulations, including the U.S. Clean Water Act.

CMC reduces landfill waste by recycling metals as raw materials for new products across various industries. In shredding and scrap recycling, CMC separates ferrous and non-ferrous metals—like copper, brass, and aluminum—for reuse in construction, automotive, and aviation. CMC also recycles coproducts and byproducts from manufacturing, including steel slag for highway and asphalt use. Additionally, CMC captures and recycles 99% of baghouse dust from EAF furnaces, recovering zinc and other valuable metals for use in paints, rubber, and fertilizers.

Environmental Activities and Certifications

Certification
ISO 14001:2015
None
None

Facility-Specific Unfabricated Rebar GWP100 Results

Facility	A1	A2	A3	Total	Unit
Arizona	1.58E+02	2.22E+01	4.13E+02	5.93E+02	kg CO2 eq
Arizona, Non-REC	1.58E+02	2.22E+01	4.45E+02	6.25E+02	kg CO2 eq
Florida	1.15E+02	2.18E+01	3.85E+02	5.22E+02	kg CO2 eq
New Jersey	1.75E+02	1.43E+01	4.51E+02	6.40E+02	kg CO2 eq
Oklahoma	1.88E+02	1.68E+01	4.01E+02	6.06E+02	kg CO2 eq
South Carolina	1.58E+02	4.52E+00	4.11E+02	5.74E+02	kg CO2 eq
Tennessee	1.75E+02	2.73E+01	5.06E+02	7.08E+02	kg CO2 eq
Texas	1.48E+02	5.07E+00	4.32E+02	5.84E+02	kg CO2 eq

Further Information

Facility-Specific Fabricated Rebar GWP100 Results

The following table provides the facility-specific fabricated rebar GWP100 results. Fabricated rebar produced by CMC has a fabrication loss rate of 7.9%, meaning 1.079 tons of unfabricated steel is required to manufacture 1 ton of fabricated rebar. Accordingly, the A1 results are 1.079 times the total unfabricated results of a given facility. The A2 and A3 results are consistent with the product-average fabricated results provided previously in the EPD.

Facility-Specific Fabricated Rebar GWP100 Results

Facility	A1	A2	A3	Total	Unit
Arizona	6.40E+02	3.25E+01	2.77E+01	7.01E+02	kg CO2 eq
Arizona, Non-REC	6.75E+02	3.25E+01	2.77E+01	7.35E+02	kg CO2 eq
Florida	5.63E+02	3.25E+01	2.77E+01	6.24E+02	kg CO2 eq
New Jersey	6.91E+02	3.25E+01	2.77E+01	7.51E+02	kg CO2 eq
Oklahoma	6.53E+02	3.25E+01	2.77E+01	7.14E+02	kg CO2 eq
South Carolina	6.19E+02	3.25E+01	2.77E+01	6.79E+02	kg CO2 eq
Tennessee	7.64E+02	3.25E+01	2.77E+01	8.24E+02	kg CO2 eq
Texas	6.30E+02	3.25E+01	2.77E+01	6.91E+02	kg CO2 eq

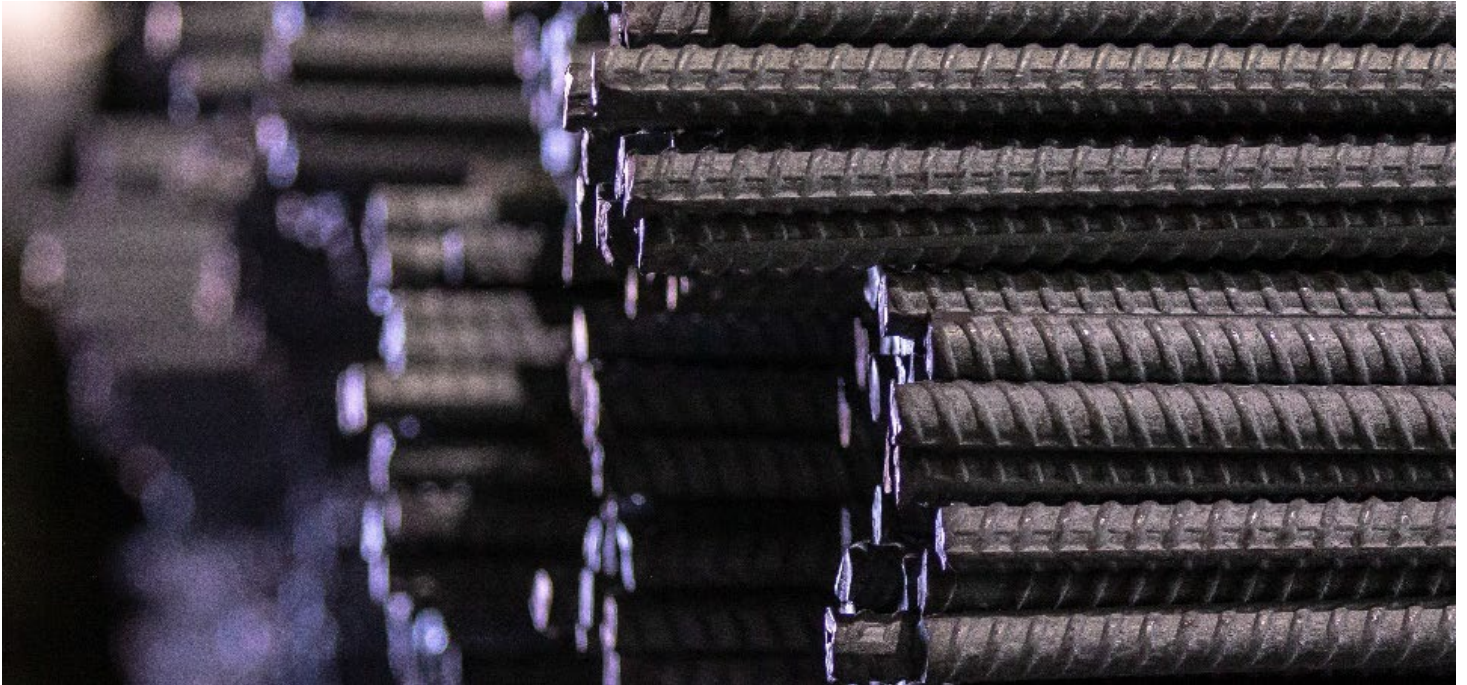
References

- Bare, J. Tool for the Reduction and Assessment of Chemical and Other Environmental Impacts (TRACI) TRACI version 2.1 User's Guide. U.S. EPA Office of Research and Development, Washington, DC, EPA/600/R-12/554, 2014.
- CMC. Mill Products. (2025). <https://www.cmc.com/en-us/what-we-do/america/mill-products>.
- CML. (2002). Handbook on life cycle assessment. Operational guide to the ISO standards. I: LCA in perspective. IIa: Guide. IIb: Operational annex. III: Scientific background. Guinée, J.B.; Gorée, M.; Heijungs, R.; Huppes, G.; Kleijn, R.; Koning, A. de; Oers, L. van; Wegener Sleeswijk, A.; Suh, S.; Udo de Haes, H.A.; Bruijn, H. de; Duin, R. van; Huijbregts, M.A.J. Kluwer Academic Publishers, ISBN 1-4020-0228-9, Dordrecht, 692 pp.
- IPCC, 2013: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Stocker, T.F., D. Qin, G. -K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)] Cambridge University Press, Cambridge United Kingdom and New York, NY, USA, 1535 pp.
- IPCC, 2023: Sections. In: Climate Change 2023: Synthesis Report. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, H. Lee and J. Romero (eds.)]. IPCC, Geneva, Switzerland, pp. 35-115, doi: 10.59327/IPCC/AR6-9789291691647/ISO. (2006). ISO 14044:2006/Amd.1:2017/Amd.2:2020: Environmental management - Life cycle assessment - Requirements and guidelines.
- ISO. (2006). ISO 14040/Amd.1:2020: Environmental management - Life cycle assessment - principles and frameworks.
- ISO. (2006). ISO 14044 Amd 1:2017/Amd 2:2006: Environmental management - Life cycle assessment – Requirements and guidelines.
- ISO. (2006). ISO 14025: Environmental labels and declarations - Type III environmental declarations - principles and procedures.
- ISO. (2017). ISO 21930: Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services.
- Sphera. (2025). LCA for Experts LCA Database Documentation. Retrieved from Sphera Solutions, Inc.: <https://sphera.com/product-sustainability-gabi-data-search/>
- UL Environment. (2022). Product Category Rules for Building-Related Products and Services - Part A: Life Cycle Assessment Calculation Rules and Report Requirements, v4.0.
- UL Environment. (2020). Part B: Designated Steel Construction Product EPD Requirements, v2.0.
- United States Environmental Protection Agency (EPA). 2024. Resource Conservation and Recover Act (RCRA). <https://www.epa.gov/fedfacts/resource-conservation-and-recovery-act>
- United States Environmental Trade Commission (USITC). 2025. Greenhouse Gas Emissions Intensities of the U.S. Steel and Aluminum Industries at the Product Level. <https://www.awpa.org/wp-content/uploads/2025/03/USITC-Report-on-Greenhouse-Gas-Emissions-Steel-and-Aluminum-February-2025.pdf>
- World Steel Association. (2024). Climate Action Data Collection. <https://worldsteel.org/climate-action/climate-action-data-collection/>
- World Steel Association. (2014). A methodology to determine the LCI of steel industry co-products. <https://worldsteel.org/wp-content/uploads/A-methodology-to-determine-the-LCI-of-steel-industry-co-products.pdf>

ENVIRONMENTAL PRODUCT DECLARATION

STEEL REINFORCING BAR AND MERCHANT BAR PRODUCTS

NUCOR STEEL SEDALIA, LLC.
500 REBAR ROAD, SEDALIA, MO 65301



NUCOR®

Nucor is North America's largest recycler, turning approximately 20 million net tons of scrap steel in 2020 into new steel. Nucor Steel Sedalia, LLC. is a steel micro-mill with the capacity to process approximately half a million tons of scrap metal annually.

Nucor uses Electric Arc Furnace (EAF) technology at all of its steel production facilities. Using EAFs, Nucor Sedalia produced high-quality steel with 98.7% recycled content in 2021. EAFs use post-consumer scrap as its major feedstock, unlike traditional blast furnace steelmaking, which produces more than 70% of the world's steel using mined iron ore and metallurgical coal as feedstock.

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

EPD PROGRAM AND PROGRAM OPERATOR NAME, ADDRESS, LOGO, AND WEBSITE	ASTM INTERNATIONAL 100 BARR HARBOR DRIVE P.O. Box C700 WEST CONSHOHOCKEN, PA 19428-2959, USA HTTPS://WWW.ASTM.ORG/	 ASTM INTERNATIONAL Helping our world work better
GENERAL PROGRAM INSTRUCTIONS AND VERSION NUMBER	ASTM Program Operator for Product Category Rules (PCR) and Environmental Product Declarations (EPDs), General Program Instructions, Version: 8.0 , Revised 04/29/20.	
MANUFACTURER NAME AND ADDRESS	Nucor Steel Sedalia, LLC, 500 Rebar Road, Sedalia, MO 65301	
DECLARATION NUMBER	EPD 378	
DECLARED PRODUCT & FUNCTIONAL UNIT OR DECLARED UNIT	Steel Reinforcing Bar and Merchant Bar, 1 metric ton	
REFERENCE PCR AND VERSION NUMBER	- Part A: Life Cycle Assessment Calculation Rules and Report Requirements (UL Environment, V3.2, 12.12.2018) and Part B: Designated Steel Construction Product EPD Requirements (UL Environment, V2.0, 08.26.2020).	
DESCRIPTION OF PRODUCT APPLICATION/USE	Fabricated steel reinforcing bar and merchant bar used in construction	
PRODUCT RSL DESCRIPTION (IF APPL.)	N/A	
MARKETS OF APPLICABILITY	North America	
DATE OF ISSUE	10/13/2022	
PERIOD OF VALIDITY	5 years	
EPD TYPE	Product-Specific	
EPD SCOPE	Cradle to Gate	
YEAR(S) OF REPORTED PRIMARY DATA	2021	
LCA SOFTWARE & VERSION NUMBER	GaBi v10.5.1.124	
LCI DATABASE(S) & VERSION NUMBER	GaBi 2021.2	
LCIA METHODOLOGY & VERSION NUMBER	TRACI 2.1	

The PCR review was conducted by:

ASTM International

This declaration was independently verified in accordance with ISO 14025: 2006.

☐ INTERNAL ☒ EXTERNAL

Timothy S. Brooke, ASTM International

This life cycle assessment was conducted in accordance with ISO 14044 and the
reference PCR by:

Trinity Consultants

This life cycle assessment was independently verified in accordance with ISO 14044
and the reference PCR by:

**Lindita Bushi, PhD, Athena Sustainable Materials
Institute**

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

LIMITATIONS

The environmental impact results of steel products in this document are based on a declared unit and therefore do not provide sufficient information to establish comparisons. The results shall not be used for comparisons without knowledge of how the physical properties of the steel product impact the precise function at the construction level. The environmental impact results shall be converted to a functional unit basis before any comparison is attempted. Environmental declarations from different programs (ISO 14025) may not be comparable.

Exclusions: EPDs do not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site-specific environmental impacts of raw material extraction, nor are they meant to assess human health toxicity. EPDs can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds – e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc.

Accuracy of Results: EPDs regularly rely on estimations of impacts; the level of accuracy in estimation of effect differs for any particular product line and reported impact.

Comparability: EPDs from different programs may not be comparable. Full conformance with a PCR allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible. Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.

This declaration was independently verified in accordance with ISO 14025: 2006. The UL Environment "Part A: Calculation Rules for the Life Cycle Assessment and Requirements on the Project Report," v3.2 (December 2018), in conformance with ISO 21930:2017, serves as the core PCR, with additional considerations from the USGBC/UL Environment Part A Enhancement (2017).

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

1. PRODUCT DEFINITION AND INFORMATION

Description of Organization

Nucor aims to lead our industry in embracing environmental responsibility in all aspects of our business. For us, taking care of the environment is more than a corporate policy, it is a cultural responsibility shared by all of our teammates from the front line to management. And while this commitment is good for our business, it is even better for the communities where we live and work.

Nucor Steel Sedalia operates a steel micro-mill that is located in Sedalia, Missouri. It currently produces steel reinforcing bar (steel rebar) and merchant bar quality (MBQ) products. We recognize our role in protecting the environment and have demonstrated a long-standing commitment to its welfare. Using an electric arc furnace (EAF) steel recycling technology, we produce high-quality steel with 98.7% recycled content. In addition, all of the steel produced by Nucor is 100% recyclable at the end of its useful life.

This environmental product declaration (EPD) represents fabricated steel reinforcing bar and merchant bar produced via an EAF from Nucor's mill in Sedalia, Missouri.

Product Description

Rebar assemblies are used in building and road/bridge projects where they are embedded in concrete. These products are rolled round deformed bars which are further detailed, cut, bent and/or tied into assemblies to prepare for installation. Additionally, MBQ shapes are angles, flats, rounds, channels and others used in a variety of building, industrial and equipment products. For use in the construction market, they are detailed, cut, drilled, bolted, welded and otherwise processed at the fabricator to be prepared for installation.

Steel rebar and MBQ produced by Nucor Sedalia mill are defined by the following ASTM and CSA standards:

- **ASTM A615/A615M-16** Standard Specification for Deformed and Plain Carbon Steel Bars for Concrete Reinforcement [Grades 40, 60, 75, 80, 100]
- **ASTM A706/A706M-16** Standard Specification for Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement [Grades 60, 80]
- **CSA G30.18M-09 (R2014)** Carbon steel bars for concrete reinforcement [Grades 400R, 500R, 400W, 500W]
- **ASTM A1035/A1035M-20** Standard Specification For Deformed And Plain, Low-Carbon, Chromium, Steel Bars For Concrete Reinforcement.
- **ASTM A36/A36M-19** Standard Specification for Carbon Structural Steel
- **ASTM A529/A529M-19** Standard Specification for High-Strength Carbon-Manganese Steel of Structural Quality [Grades 50, 55]
- **ASTM A588/A588M-19** Standard Specification for High-Strength Low-Alloy Structural Steel, up to 50 Ksi [345 Mpa] Minimum Yield Point, with Atmospheric Corrosion Resistance [Grade B]
- **ASTM A572/A572M-18** Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel [Grades 50, 55]
- **ASTM A663/A663M-17** Standard Specification for Steel Bars, Carbon, Merchant Quality, Mechanical Properties
- **ASTM A709/A709M-18** Standard Specification for Structural Steel for Bridges [Grades 36, 50]
- **ASTM A F1554** Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength [Grades 36, 55]
- **ASTM A29/A29M** Standard Specification for General Requirements for Steel Bars, Carbon and Alloy, Hot-Wrought [Grades 1006, 1008, 1010, 1012, 1015, 1018, 1022, 1045, 1527, 1527 FG, 4140]
- **CSA G40.20-13/G40.21** General Requirements for rolled or welded structural quality steel / Structural quality steel [Grades 44W, 50W, 55W]

The United Nations Standard Products and Service Code (UNSPSC) and the Construction Specifications Institute (CSI) / Construction Specifications Canadian (CSC) classification identified for the Steel rebar and MBQ steel produced by Nucor's Sedalia Mill are:

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

- CSI MasterFormat Code: 03 21 00 Reinforcement Bars
- UNSPSC Code: 30103623 Reinforcing Bar or Rebar or Mesh

Product Average

The 2021 production data used in this EPD considers rebar and MBQ products produced by the Nucor Sedalia mill during the year. Product-specific life cycle assessment (LCA) results are provided for the Sedalia facility only.

Application

Rebar and MBQ products are used in a wide variety of applications. These products are rolled into a variety of shapes such as rebar, flats, angles, rounds, square and specialty shapes that are detailed, cut, drilled, bolted, welded, and otherwise processed at the fabricator in order to prepare them for installation.

Declaration of Methodological Framework

The scope of the EPD is cradle-to-gate, including raw material extraction and processing, upstream transportation, and product manufacture (Modules A1, A2, and A3).

Technical Requirement

Technical data for the studied product can be found in the table below.

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

Table 1. Technical data for steel product

NAME	VALUE	UNIT
Density	7,800	kg/m ³
Melting point	1425-1450	°C
Electrical conductivity at 20°C	NA	% of IAC ⁸
Thermal conductivity	NA	W/(m-K)
Coefficient of thermal expansion	NA	m/m-°C
Modulus of elasticity	NA	N/mm ²
Shear modulus	NA	N/mm ²
Specific heat capacity	NA	J/kg-°C
Hardness, Brinell Number	80-100	HB
Yield strength	250-550	N/mm ²
Ultimate tensile strength	410-655	N/mm ²
Breaking elongation	13-20	%
Chemical composition	Varies by ASTM Specification/Grade	% by mass

Properties of Declared Product as Delivered

The reinforcing bar or MBQ can be fabricated (i.e., cut or otherwise modified) by a fabricator or shipped directly to a job site. This EPD addresses fabricated product.

Material Composition

Steel rebar and MBQ products are manufactured from recycled scrap. They do not contain any materials or substances for which there exists a route to exposure that leads to humans or flora/fauna in the environment being exposed to said materials or substances at levels exceeding safe health thresholds.

Manufacturing

The Nucor Sedalia Mill is a steel micro-mill which uses EAF technology to produce steel from recycled scrap metal. Scrap metal is received via rail and truck and is inspected and sorted into piles located within the on-site scrapyard. Scrap is moved from the scrapyard to the Endless Charging System (ECS) conveyor which continuously feeds scrap into the EAF for melting and refining. Typically, the EAF contains a “hot heel,” which is a small amount of molten steel from the previous heat (batch of steel), to assist in the rapid melting of the new scrap additions. Electric current is applied via large electrodes made of graphite or other high carbon material to melt the scrap. The electrodes are consumed in the melting process. The Sedalia Mill EAF is equipped with co-jet burners which introduce natural gas and oxygen for oxyfuel combustion. These burners even out energy imbalances, reduce furnace hot spots, and improve the overall energy efficiency of the process.

Additives are introduced during the melting process to maintain the optimal steel melting conditions and to achieve the desired steel grade. Lime is added as a fluxing agent to assist in the removal of unwanted constituents. Carbon can be added with the initial charge or injected with oxygen. Charge carbon carburizes the steel and provides additional energy to the melting process by the chemical oxidation of the carbon. Injection carbon and oxygen forms carbon monoxide bubbles which agitate and convert the slag to a frothy consistency. This practice enhances the removal of impurities in the steel and also provides faster heat times,

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

thereby improving energy efficiency.

Once the ideal melt conditions have been reached, a ladle is placed at the tapping side of the EAF, the furnace is de-energized, and the molten steel is poured into the ladle. The ladle transports the molten steel to the LMF for final chemistry additions, along with stirring which promotes a more homogeneous mixture. Additional additives may include various metal alloys to achieve the desired composition of the final steel product. Once the desired chemistry and temperature is met, the ladle is lifted to the continuous caster. The ladle is opened, and the molten steel enters the tundish which feeds the steel to a continuous casting process using water-cooled copper molds. In the caster, the steel begins to cool and solidify into billets.

The EAF is equipped with a baghouse to control particulate matter emissions from the process. This baghouse also captures emissions from other processes in the melt shop such as natural gas combustion for preheating of the ladle, tundish, etc.

The billet from the melt shop then enters the rolling mill where it is rolled into final products. Steel products include concrete reinforcing bars or merchant bar products. The final products are packaged and transported off-site via rail or truck.

Steel is transported via rail or truck from Nucor Sedalia to various types of customers, including downstream fabrication facilities. At these facilities, the steel is cut, rolled, or bent before being sold to consumers. Finished steel is also sold to distributors for consumer use. In Figure 1, fabrication is shown as its own process step. All other portions of the manufacturing process are considered as part of pre-fabrication.

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

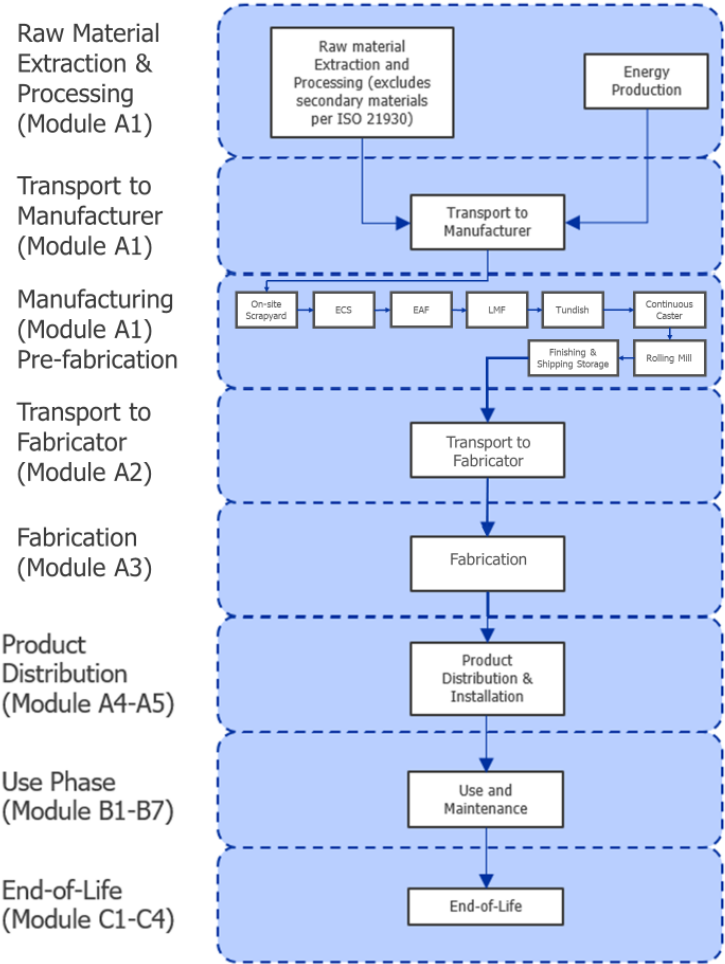


Figure 1: Flow chart for product system

Packaging

Packaging at the Nucor Sedalia mill falls below the cut-off criteria and therefore it is not included in the LCA for this EPD. Packaging at the fabrication facility includes the use of bags, tags, dunnage, and pallets and is included.

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

2. LCA CALCULATION RULES

Declared Unit

The declared unit is one (1) metric ton of fabricated steel reinforcing bar and merchant bar product.

System Boundary

Per the PCR, this cradle-to-gate analysis provides information on the Product Stage of the steel product life cycle, including modules A1, A2, and A3. Product delivery, installation and use, and product disposal (modules A4 – A5, B1 – B7, C1 – C4, and D) have not been included.

PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARY
Raw material supply	Transport	Manufacturing	Transport from gate to site	Assembly/Install	Use	Maintenance	Repair	Replacement	Refurbishment	Building Operational Energy Use During Product Use	Building Operational Water Use During Product Use	Deconstruction	Transport	Waste processing	Disposal	Reuse, Recovery, Recycling Potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND

X = Module declared
MND = Module not declared

Cut-off Rules

According to the PCR, processes contributing greater than 1% of the total environmental impact indicator for each impact are included in the inventory. In cases where no matching life cycle inventories were available to represent a flow, proxy data were applied based on conservative assumptions regarding environmental impacts. No data gaps were allowed which were expected to significantly affect the outcome of the indicator results. No other known flows are deliberately excluded from this EPD.

The mass input of each omitted stream is less than 1% of the total mass input streams into the system and the cumulative mass input of all omitted streams is less than 5% of the total mass input streams. Therefore, no data gaps were allowed which were expected to significantly affect the outcome of the indicator results.

Data Sources

The LCA model was created using the GaBi Software system for life cycle engineering, version 10.5.1.124, developed by Sphera (Sphera, 2021). Background life cycle inventory data for raw materials and processes were obtained from the GaBi 2021.2 database. Primary manufacturing data and fabrication data were provided by Nucor.

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

Data Quality

A variety of tests and checks were performed by the LCA practitioner throughout the project to ensure high quality of the completed LCA. Checks included an extensive review of project specific LCA models as well as the background data used.

Primary data represents production in the United States at the Nucor Steel Sedalia mill. Fabrication data represents production in the United States at two representative downstream fabrication facilities. An electricity provider specific dataset, via Evergy, was used to represent the Sedalia mill's energy consumption. Proxy datasets were used as needed for raw material inputs to address lack of data for a specific material or for a specific geographical region. These proxy datasets were chosen for their technological representativeness of the actual materials.

Period under Review

Primary data collected represent production during the 2021 calendar year. This analysis is intended to represent production in 2021.

Allocation

Per ISO 21930 and the PCR, this is an attributional LCA and as such, no allocation using system expansion was performed. Allocation of background data (energy and materials) taken from the GaBi 2021 databases is documented online at <http://www.gabi-software.com/international/support/gabi/>.

The Nucor Sedalia mill melt shop produces steel billet and slag. All slag is sold as-is. All steel billet continues onto the rolling mill to be rolled into steel reinforcing bar and merchant bar products ("steel"). The slag and steel product are considered co-products of the product system resulting from a joint co-production process. The Sedalia mill also produces mill scale which is sold as a co-product from the facility. However, since allocation for mill scale will require system expansion, it is not considered in this LCA. Therefore, this study allocated the environmental burden upstream of the rolling mill between the slag and steel only.

Estimates and Assumptions

The underlying study was conducted in accordance with the PCR. While this EPD has been developed by industry experts to best represent the product system, real life environmental impacts of fabricated steel products may extend beyond those defined in this document.

All of the raw materials and energy inputs have been modeled using processes and flows that closely follow actual production data on raw materials and processes. All of the reported material and energy flows have been accounted for.

Raw Material procurement and upstream transport to Nucor's Sedalia mill is included for all raw materials above the cut-off thresholds. For each raw material, a representative dataset was selected to represent the geographic region of origin. Distances by truck and rail were estimated using Google Earth. Distances by ship were estimated using ports.com¹. In some cases, the Sedalia mill sources a single raw material from multiple distributors, in which case the transport from every distributor was modeled. Only travel to the facility is accounted for (i.e., return truck and rail trips are considered out of scope).

Steel produced at Nucor Sedalia is transported via rail or truck to downstream fabrication sites. Emissions from transport to the fabricator were included by calculating a weighted average distance for each mode of transport.

¹ <http://ports.com/sea-route/>

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

3. LCA RESULTS

Life Cycle Impact Assessment (LCIA) results are relative expressions and do not predict actual impacts, the exceeding of thresholds, safety margins or risks.

Legislation, such as the Buy Clean California Act (BCCA)², allows for the exclusion of emissions that occur during the fabrication stages in reporting total Global Warming Potential (GWP) results. Therefore, this section provides separate, pre-fabrication GWP results for Buy Clean legislation compliance.

Nucor’s Sedalia facility has a power purchase agreement (PPA) with Evergy to purchase bundled renewable energy credits (RECs) for power generated from wind for the entire period of EPD validity. Each REC certifies that one kilowatt-hour (kWh) of the electricity used by the facility comes from a specific renewable resource. Therefore, the PPA ensures that the chain of custody for the RECs purchased by the Sedalia facility can be traced by origin for each kWh. Since PCR Part A requires that results without the consideration of RECs be reported in inventory or impact assessment results of an EPD, Nucor has reported LCIA results both with and without the use of RECs.

The LCIA results below are relative expressions and do not predict impacts on category endpoints, the exceedance of thresholds, safety margins, or risks.

The six impact categories reported in the LCIA tables below are globally deemed mature enough to be included in Type III environmental declarations. Other categories are being developed and defined and LCA should continue making advances in their development. However, the EPD users shall not use additional measures for comparative purposes.

Unfabricated Bar Results

Table 2. LCIA Results, per 1 metric ton of unfabricated product

PARAMETER	UNIT	TOTAL - WITH RECs	TOTAL - WITHOUT RECs
GWP 100 (excl. biogenic carbon)	kg CO2 eq.	2.92E+02	6.67E+02
GWP 100 (incl. biogenic carbon)	kg CO2 eq.	2.93E+02	6.68E+02

Fabricated Bar Results

Fabrication requires 1.08 metric tons of bar per 1 metric ton of fabricated product. Module A1 includes production of all 1.08 metric tons of bar.

² Per the Buy Clean California Act Legislative Report, fabrication refers to the processing of materials in preparation for use at the construction jobsite (e.g., bending, cutting, drilling, and painting). DGS General Services. “Buy Clean California Act – Legislative Report”. January 1, 2022. <https://www.dgs.ca.gov/Resources/Legislative-Reports>

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

Fabricated Bar Results - With Renewable Energy Credits

Table 3. LCIA results, per 1 metric ton of fabricated product

PARAMETER	UNIT	A1	A2	A3	TOTAL
GWP 100 (excl. biogenic carbon)	kg CO2 eq.	3.16E+02	2.40E+01	2.43E+01	3.64E+02
GWP 100 (incl. biogenic carbon)	kg CO2 eq.	3.17E+02	2.39E+01	8.96E+00	3.50E+02
ODP	kg CFC 11 eq.	1.84E-05	4.93E-15	2.02E-10	1.84E-05
AP	kg SO2 eq.	9.43E-01	6.83E-02	2.70E-01	1.28E+00
EP	kg N eq.	5.80E-02	7.85E-03	1.70E-02	8.28E-02
SFP	kg O3 eq.	1.33E+01	1.56E+00	8.15E+00	2.30E+01
ADP _{fossil}	MJ surplus	1.91E+02	4.48E+01	3.76E+01	2.73E+02

Table 4. Resource use results, per 1 metric ton of fabricated product ^a

PARAMETER	UNIT	A1	A2	A3	TOTAL
RPRE	MJ LHV	7.04E+03	1.41E+01	1.21E+02	7.17E+03
RPRM	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRPRE	MJ LHV	2.25E+03	3.39E+02	4.20E+02	3.01E+03
NRPRM	MJ LHV	8.43E+02	0.00E+00	0.00E+00	8.43E+02
SM	kg	1.18E+03	0.00E+00	0.00E+00	1.18E+03
RSF	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m3	1.27E+00	5.98E-02	8.23E-02	1.41E+00

a. Lower calorific values (LHV) of fuels are used for energy parameters.

Table 5. Output flows and waste categories results, per 1 metric ton of fabricated product

PARAMETER	UNIT	A1	A2	A3	Total
HWD	kg	7.79E-03	0.00E+00	0.00E+00	7.79E-03
NHWD	kg	1.37E+01	0.00E+00	0.00E+00	1.37E+01
HLRW	kg	3.69E-05	1.38E-06	1.60E-05	5.43E-05
ILLRW	kg	9.71E-04	3.79E-05	4.42E-04	1.45E-03
CRU	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MR	kg	2.56E+01	0.00E+00	0.00E+00	2.56E+01
MER	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EE	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

Fabricated Bar Results - Without Renewable Energy Credits

Table 6. LCIA results, per 1 metric ton of fabricated product

PARAMETER	UNIT	A1	A2	A3	Total
GWP 100 (excl. biogenic carbon)	kg CO2 eq.	7.20E+02	2.40E+01	2.43E+01	7.69E+02
GWP 100 (incl. biogenic carbon)	kg CO2 eq.	7.22E+02	2.39E+01	8.96E+00	7.55E+02
ODP	kg CFC 11 eq.	1.84E-05	4.93E-15	2.02E-10	1.84E-05
AP	kg SO2 eq.	1.56E+00	6.83E-02	2.70E-01	1.90E+00
EP	kg N eq.	1.12E-01	7.85E-03	1.70E-02	1.36E-01
SFP	kg O3 eq.	2.14E+01	1.56E+00	8.15E+00	3.11E+01
ADP _{fossil}	MJ surplus	2.89E+02	4.48E+01	3.76E+01	3.71E+02

Table 7. Resource use results, per 1 metric ton of fabricated product ^a

PARAMETER	UNIT	A1	A2	A3	TOTAL
RPRE	MJ LHV	2.29E+03	1.41E+01	1.21E+02	2.43E+03
RPRM	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRPRE	MJ LHV	7.79E+03	3.39E+02	4.20E+02	8.54E+03
NRPRM	MJ LHV	8.43E+02	0.00E+00	0.00E+00	8.43E+02
SM	kg	1.18E+03	0.00E+00	0.00E+00	1.18E+03
RSF	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RE	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m3	2.40E+00	5.98E-02	8.23E-02	2.54E+00

a. Lower calorific values (LHV) of fuels are used for energy parameters.

Table 8. Output flows and waste categories results, per 1 metric ton of fabricated product

PARAMETER	UNIT	A1	A2	A3	Total
HWD	kg	7.79E-03	0.00E+00	0.00E+00	7.79E-03
NHWD	kg	1.37E+01	0.00E+00	0.00E+00	1.37E+01
HLRW	kg	5.96E-04	1.38E-06	1.60E-05	6.13E-04
ILLRW	kg	1.64E-02	3.79E-05	4.42E-04	1.69E-02
CRU	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MR	kg	2.56E+01	0.00E+00	0.00E+00	2.56E+01
MER	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EE	MJ LHV	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Any comparison of EPDs shall be subject to the requirements of ISO 21930. Environmental impact results shall be converted to a functional unit basis before any comparison is attempted. EPDs are not comparative assertions and are either not comparable or

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products

Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

have limited comparability when they have different system boundaries, are based on different product category rules or are missing relevant environmental impacts. Such comparison can be inaccurate, and could lead to erroneous selection of materials or products which are higher-impact, at least in some impact categories.

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

4. LCA INTERPRETATION

A comparison of the global warming potential, both including and excluding biogenic carbon, and RECs has been provided in Figure 2.

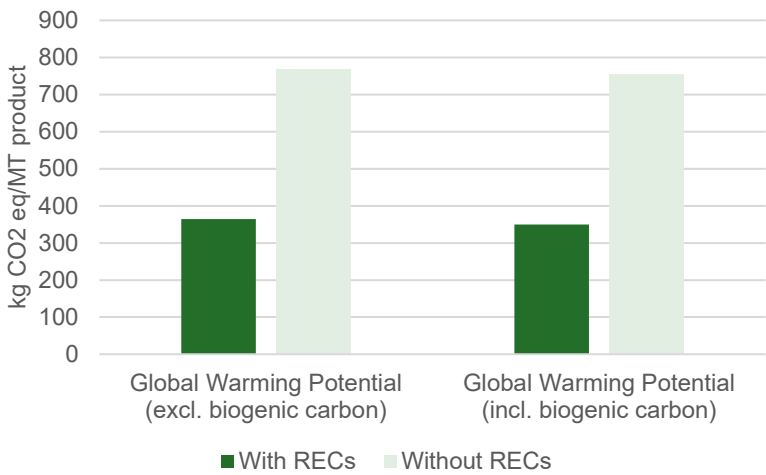


Figure 1: GWP Analysis – With and Without Renewable Energy Credits

To facilitate a more detailed understanding of the contributions from different mill processes, an analysis is included in this section which details the contribution from Modules A1, A2, and A3. The results in Figure 3 and Figure 4 are shown below for steel reinforcing bar and merchant bar products – these facilitate a better understanding of which categories contribute most to which impacts.

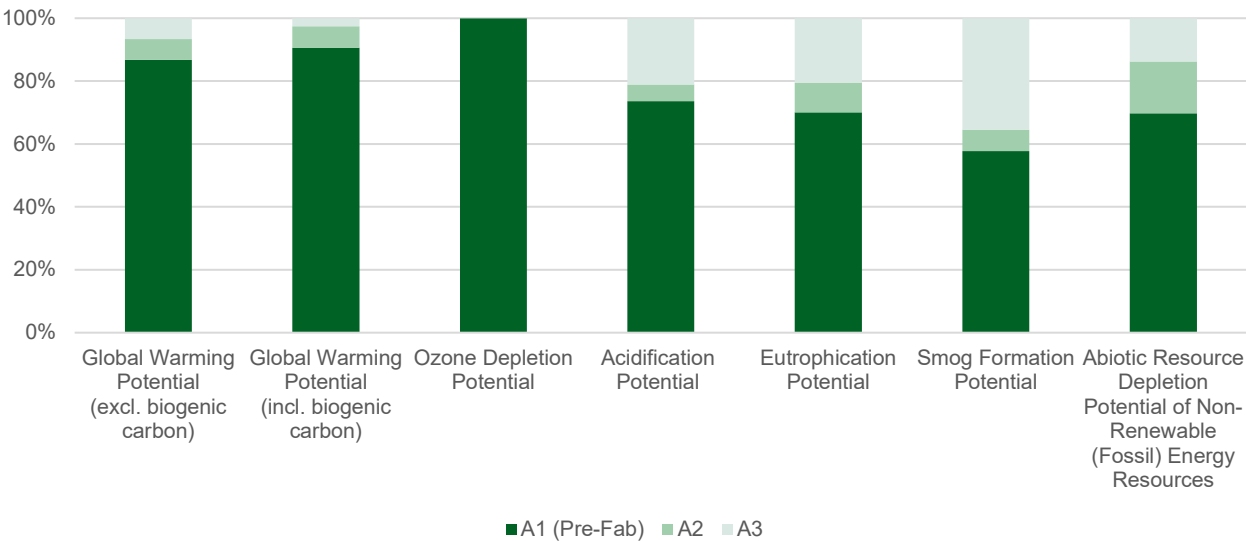


Figure 3: Relative contributions by module, IPCC AR5 + TRACI 2.1 impact categories – With Renewable Energy Credits

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

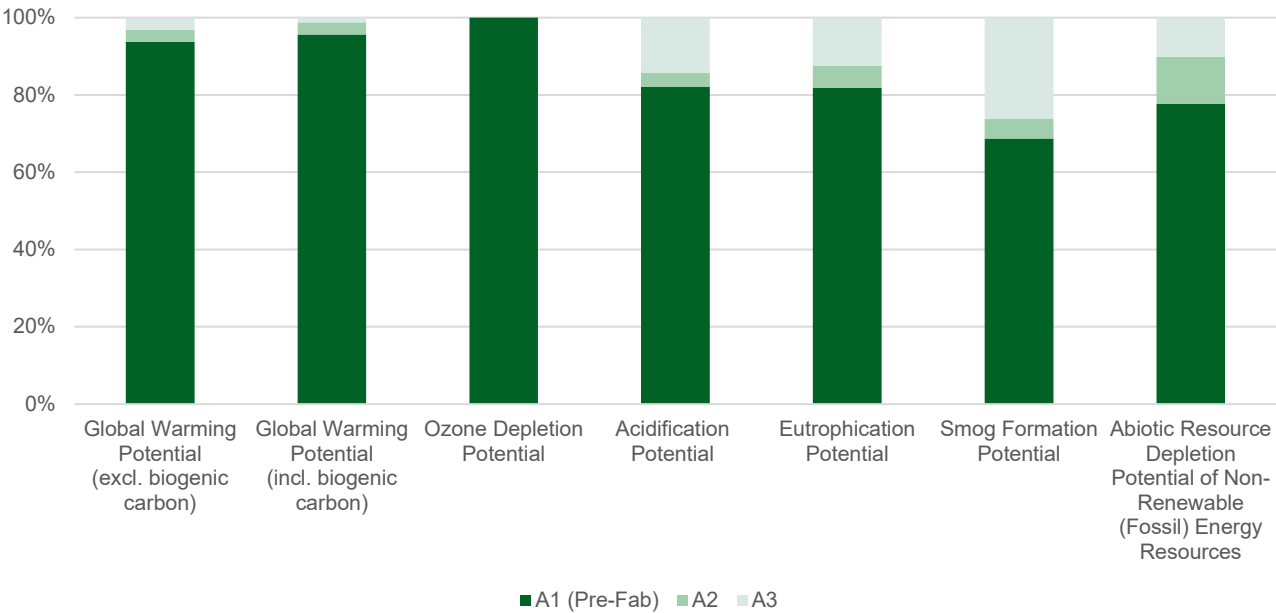


Figure 4: Relative contributions by module, IPCC AR5 + TRACI 2.1 impact categories – Without Renewable Energy Credits

The impact assessment results indicate that global warming potential is at least 50 percent lower and other environmental impacts are 25-39 percent lower with the consideration of RECs, that the Sedalia facility purchases in accordance with PCR Part A. Overall, Module A1, i.e. manufacturing of rebar and MBQ, which includes purchased electricity generation, on-site natural gas, diesel, gasoline, and LPG combustion, and facility emissions is the key contributor to all potential environmental impacts, including global warming potential, ozone depletion potential, acidification potential, smog formation potential, and abiotic resource depletion potential of fossil energy resources. Module A3, i.e. fabrication, contributes more significantly to smog formation potential, but is not the most significant contributor to any impact category. Module A2, i.e. transport to fabricator, is not the most significant contributor in any impact category.

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

5. ADDITIONAL ENVIRONMENTAL INFORMATION

Health and Safety

Refer to the Nucor Bar SDS³ for additional environmental and health protection during the product manufacturing process. Be sure to follow all recommended handling and product manufacturing guidance.

Safety: Since 2005, Nucor has partnered with the Occupational Safety and Health Administration (OSHA) through its Voluntary Protection Program (VPP), which recognizes companies that voluntarily go the extra mile to meet rigorous safety standards. The Voluntary Protection Program (VPP) recognizes employers and workers in private industry and federal agencies who have implemented effective safety and health management systems and maintain injury and illness rates below national Bureau of Labor Statistics averages for their respective industries. An important aspect of VPP is the Special Government Employee (SGE) Program, which allows industry employees to work alongside OSHA and of which approximately 640 Nucor employees are active participants as of September 2018.

Four Nucor divisions employ the American National Standards Institute (ANSI) Z-10 Occupational Health and Safety Management System. And four others participate in the OSHA Series (OSHAS) 45001 Divisions. ANSI Z-10 is audited to best practices and in safety and health. OSHAS 45001 is an international safety and health system that provides a framework to promote better safety and health systems.

Environmental Activities and Certifications

ISO 14001:2015 Environmental Management System: The environmental performance of Nucor's steel mills focuses on continuous improvement through internal and external training, application of new technologies and how data and results are communicated. To provide a framework for Nucor teammates to follow, Nucor utilizes ISO 14001, which is the international standard that establishes specific requirements for an effective environmental management system (EMS). As the Sedalia facility is relatively new, Nucor Steel Sedalia's environmental management system is still in the process of gaining accreditation to the ISO 14001 standard.

Sustainability: Through recycling, Nucor has made the United States the cleanest place in the world to make steel. We are producing the sustainable steel that will build our modern 21st century economy. For more than 50 years, Nucor has been making steel using an electric arc furnace (EAF) that melts recycled scrap and turns it into new steel. EAFs are far less energy intensive and more energy efficient than traditional blast furnace steel making. Electric arc furnaces allow Nucor to produce less emissions than competitors who often make steel by melting iron ore and coking coal.

By recycling scrap in EAFs, Nucor's energy intensity (average gigajoules per metric ton of steel produced) is 74% lower than the global average, and its greenhouse gas intensity (metric tons CO₂ per ton of steel produced) is less than one-fourth the global average, and nearly one-fifth of the average integrated (BF/BOF) steel producer. Today, Nucor's greenhouse gas emissions intensity is less than one-third of the Paris Climate Agreement's most aggressive 2030 target for the global steel sector, the below 2 degrees Celsius benchmark compared to pre-industrial levels.

Today, Nucor accounts for more than 25% of the United States' steel production, but only accounts for 8% of the domestic steel industry's greenhouse gas emissions. However, Nucor realizes that being one of America's cleanest and most efficient steelmakers is not enough. That is why Nucor is committing to a 35% combined reduction in its steel mill Scope 1 and Scope 2 greenhouse gas intensity by 2030, measured against a 2015 baseline. This goal will take Nucor's steel mill CO₂ emissions down to 77% less than today's global steelmaking average, and 82% less than today's integrated steelmaking average. Beyond 2030, Nucor is committed to further reducing its greenhouse emissions to a goal of net zero emission steel at scale.

Nucor also recently launched its Econiq[™] product line, which is the world's first net-zero steel available at scale. Econiq is not a single product; it is a net-zero certification, which can be applied to any product from Nucor's steel mills by balancing the CO₂ produced by our activities by an equivalent amount being removed. We achieve net-zero on Econiq products by eliminating all

³ https://assets.ctfassets.net/aax1cfbwhqog/UcLHwfmRVoyrpxb15vZl/c73a00f2a213af726e2ef74584c79517/SDS-Bar_Steel.pdf

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product

According to ISO 14025, and ISO 21930:2017

remaining Scope 2 emissions (by using 100% renewable energy certificates) and by offsetting all Scope 1 emissions (through the purchase of carbon offsets). Per the requirements of the Product Category Rule for Building-Related Products and Services in North America, Part A, LCIA results with Renewable Energy Certificates are included separately in this EPD. Nucor shipped its first Econiq steel to a commercial customer in January 2022.

Recycled Materials Content: Nucor proudly uses recycled scrap to make high-quality steel with low emissions, using one of the cleanest and most energy efficient steel-making processes available. Steel can be infinitely recycled and reused without any quality loss. Nationwide, in 2021, Nucor steel products were made from an average of 75.4% recycled content, with some products containing as almost 100% recycled content. The Sedalia facility used 98.7% recycled scrap to produce new steel bar products that are 100% recyclable at the end of their useful life.⁴

Globally, only 26.3% of the more than 2 billion net tons of steel produced in 2020 was made by recycling scrap in EAFs – and EAFs only accounted 9.2% of the 1.17 billion net tons of steel made in China. Scrap inputs for the total crude steel production globally have remained at around 35% since 2013. To effectively address the goals set by the Paris Climate Agreement, the International Energy Agency recommends that the global market share needs to reach over 40% by 2030 – less than half the percentage that Nucor Steel Sedalia uses in its day-to-day production today.

Waste and Water Recycling: Nucor's EAFs, including the ones at its bar steel mills, emit less than 1% of the particulate matter of a traditional steel blast furnace – and the company recycles 99 percent of the EAF dust it collects in its baghouses. Nucor also recognizes that water is a critical natural resource and is essential to our business and the communities in which it operates. Nucor has worked extensively to improve water use efficiency in its processes. One hundred percent of the process water from Nucor's steelmaking operations is recycled multiple times at its bar steel mills. Currently there are no Nucor steel mill division located in a High or Extremely High Water Stress Area.

Nucor also participates in the Network for Business Innovation and Sustainability (NBIS) By-Product Synergy Group. This NBIS group brings together environmental experts from a wide variety of industries to allow them to compare waste streams and find ways to divert materials from landfills.

Clean Energy: The Sedalia facility purchases bundled renewable energy credits from Evergy for power generated from wind. Each REC certifies that one megawatt-hour (MWh) of the electricity used by the facility was from a renewable resource. This certification reduces a facility's environmental impacts associated with that energy use. LCIA results with RECs are included separately in this EPD.

Environmental Training: In 2015, Nucor established Nucor Environmental University (NEU), an online training platform for Nucor teammates with environmental responsibilities and others looking to expand their involvement with the environmental team. From the beginning, Nucor designed this program to help teammates develop a thorough and meaningful understanding of environmental compliance. NEU has had over 1,000 active users since its inception and Nucor teammates have completed at least 10,000 environmental training courses, passed over 6,600 training exams, and helped develop dozens of courses. Because of NEU, Nucor's teammates are better prepared to meet the demands of environmental compliance and achieve Nucor's goal of being a sustainable organization.

Living Building Challenge: Nucor Sedalia is compliant with the Living Building Challenge (LBC)'s I-13 Red List. LBC is a green building standard with a goal to create "Living Buildings" that incorporate sustainable design solutions that actually improve the local environment rather than focusing on environmental impact reduction. LBC's I-13 Red List represents the "worst in class" materials, chemicals, and elements known to pose serious risks to human health ecosystems that are common in the building products industry.⁵ The International Living Future Institute (ILFI) believes that these materials should be phased out of production due to human and/or environmental health and toxicity concerns.⁶ ILFI, based in Seattle and Portland, is an environmental NGO committed to catalyzing the transformation toward communities that are socially just, culturally rich and ecologically restorative.

⁴ 2021 Recycled Content Averages for Nucor Steel Mill Products
https://assets.ctfassets.net/aax1cfbwhqog/7Ma2avTxQFdBwFCITrHkC/2b03d763f3695dc9a77ff17187edbf6c/Recycled_Content_Letter_Mill_Products_CY2021.pdf

⁵ <https://materiallybetter.com/living-building-challenge/>

⁶ <https://living-future.org/declare/declare-about/red-list/>

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product



According to ISO 14025, and ISO 21930:2017

6. REFERENCES

- ISO. (2006). *ISO 14044:2006/Amd.1:2017/Amd.2:2020: Environmental management - Life cycle assessment - Requirements and guidelines.*
- ISO. (2009). *ISO 14040/Amd.1:2020: Environmental management - Life cycle assessment - principles and frameworks.*
- ISO. (2006). *ISO 14025: Environmental labels and declarations - Type III environmental declarations - principles and procedures.*
- ISO. (2017). *ISO 21930: Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services.*
- Sphera. (2021). *GaBi LCA Database Documentation.* Retrieved from Sphera Solutions, Inc.: <http://www.gabi-software.com/america/support/gabi/>
- UL Environment. (2018). *Product Category Rules for Building-Related Products and Services - Part A: Life Cycle Assessment Calculation Rules and Report Requirements, v3.2.*
- UL Environment. (2020). *Part B: Designated Steel Construction Product EPD Requirements, v2.0.*
- World Steel Association. (2014). *A methodology to determine the LCI of steel industry co-products.*

ENVIRONMENTAL PRODUCT DECLARATION



Steel Reinforcing Bar and Merchant Bar Products
Designated Steel Construction Product



According to ISO 14025, and ISO 21930:2017

6. CONTACT INFORMATION

Study Commissioner



**NUCOR
CORPORATION**
1915 Rexford Road
Charlotte, NC 28211
Ph: 704.366.7000
www.nucor.com

LCA Practitioner



TRINITY CONSULTANTS, INC.
12700 Park Central Drive, Suite 2100
Dallas, TX 75251
<https://www.trinityconsultants.com/>

April 17, 2025

To: CUST064111 HAYNES EQUIPMENT CO INC HAYNES EQUIPMENT CO 121 NW 132nd STREET OKLAHOMA CITY, OK 73114 United States

SUBJECT: American Iron and Steel Step Certification for Project **Glenpool WWTP**

Transaction Number # QUO099910

I, Rachael Nieland, certify that the (melting, bending, galvanizing, cutting, etc.) processes for (manufacturing or fabricating) the following products and/or materials shipped or provided for the subject project is in full compliance with AIS requirement as mandated by Section 746 of Title VII of the Consolidated Appropriations Act of 2017 (Division A Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2017) and subsequent statutes mandating domestic preference.

Item, Products and/or materials:

Style	City,State
Model BHP, High Performance Butterfly Valve (BHP)	Sartell, MN

Manufacturing processes of the above products take place at the following location(s):

Sartell, MN

DeZURIK 250 Riverside Ave North Sartell MN 56377 United States

This certification is to be submitted upon request to interested parties (e.g. municipalities, consulting engineers, general contractors, etc.)

If any of the above compliance statements change while providing materials to this project, please immediately notify the person(s) who is requesting to use your product(s).



Rachael Nieland

Project Management &
Order Administration Manager
320-259- 2137

April 17, 2025

To: CUST063601 Haynes Equipment Company Inc. (Rep) HAYNES EQUIPMENT CO, INC (REP) 121 Nw 132nd St
Oklahoma City OK 73114-2307 United States

SUBJECT: American Iron and Steel Step Certification for Project **Glenpool, Ok - WWTP**

Transaction Number # QUO145758

I, Rachael Nieland, certify that the (melting, bending, galvanizing, cutting, etc.) processes for (manufacturing or fabricating) the following products and/or materials shipped or provided for the subject project is in full compliance with AIS requirement as mandated by Section 746 of Title VII of the Consolidated Appropriations Act of 2017 (Division A Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2017) and subsequent statutes mandating domestic preference.

Item, Products and/or materials:

Style	City,State
Model PEC, Eccentric Plug Valve, Rectangular Port (AWWA C517) (PEC)	Sartell, MN

Manufacturing processes of the above products take place at the following location(s):

Sartell, MN

DeZURIK 250 Riverside Ave North Sartell MN 56377 United States

This certification is to be submitted upon request to interested parties (e.g. municipalities, consulting engineers, general contractors, etc.)

If any of the above compliance statements change while providing materials to this project, please immediately notify the person(s) who is requesting to use your product(s).



Rachael Nieland

Project Management &
Order Administration Manager
320-259- 2137



CERTIFICATION

Certificate of Compliance with Buy America Requirements

The Bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j)(1), and the applicable regulations in 49 CFR part 661.

Buy American Products: Flat Cut Metal, Flat Cut Acrylic, Colorlast Acrylic, Colorlast Metal, Laminate, Gemleaf, Formed Plastic, Lit Formed Plastic, Lit Acrylic, Flat Cut PVC, Cast Architectural Plaques, Precision Architectural Plaques, Plates, Cast Metal, Pronto Changeable Copy, Duets Engraving Stock

Gemini US Manufacturing Locations: Cannon Falls, MN, Decorah IA, Taylor TX, Mesquite TX, Farmville VA, Fallon NV.

Date: September 27, 2024
Company: Gemini Inc.
Name: Tom Toland
Title: Director of Engineering

(71 FR 14117, Mar. 21 2006, as amended at 72 FR 53696, Sept 20, 2007)

The point of contact for this certification is the undersigned, at 507-263-3957 x1560

Sincerely,

Tom Toland
Director of Engineering
Gemini

MATERIAL CERTIFICATION OF COMPLIANCE and TEST REPORT

Saint Joseph, MO

Insteel Wire Products hereby certifies that the Steel Welded Wire Reinforcement material identified below has been manufactured in accordance with and meets the requirements of: ASTM - ASTM A1064-22.

Sales Order Number: 573684-3.1

BOL Number: 00406150

Job Number: 982776

PO Number: Email Jimmy

Item: 511-166154

Product Description: 3 X 6 W3/W2.5 (.195/.178) .120 DR 87" (+1",+0") X 600'
(0",0") RV Max 110k tensile

TENSILE TESTS

Wire Size			Test No.	Deformed Nominal Lbs/Ft	Nominal Wire DIA (Inches)	Nominal Area Sq. In.	Tensile	ROA	Bend	Heat No
Longitudinal	Transverse	Convolute								
W3	--	--	1	--	0.195	0.0300	90027	67%	PASS	1000127469
W3	--	--	2	--	0.195	0.0300	78051	68%	PASS	1000127469
--	W2.5	--	1	--	0.178	0.0250	94259	69%	PASS	23786
--	W2.5	--	2	--	0.178	0.0250	91476	62%	PASS	23786

WELD SHEAR TESTS

WIRE SIZES: W3 / W2.5

Test Number	1	2	3	4	Average	Pass/Fail
Break Load (Lbs Of Force)	1998	1315	1261	1441	1504	PASS

MINIMUM BREAK LOAD REQUIRED: 1050 LBS OF FORCE

This material is certified as Domestic and was made from steel rod that was melted, manufactured, and processed completely in the United States. The rod was then manufactured into welded wire reinforcement in the United States. The use of this product conforms with Buy America Requirements set forth in 23 CFR Subpart D, Section 635.410, Buy America Requirements and Title 49 - Transportation, Chapter VI - Federal Transit Administration, Department of Transportation Part 661 - Buy America Requirements - Surface Transportation Assistance Act of 1982, As Amended.

Quality Assurance Manager:

Livia Kirschner

Date: 17-OCT-2024



MATERIAL CERTIFICATION OF COMPLIANCE and TEST REPORT
Saint Joseph, MO

Insteel Wire Products hereby certifies that the Steel Welded Wire Reinforcement material identified below has been manufactured in accordance with and meets the requirements of: ASTM - ASTM A1064-22.

Sales Order Number: 573684-1.1

BOL Number: 00406150

Job Number: 983598

PO Number: Email Jimmy

Item: 533-290903

Product Description: 4 X 4 D8/D8 (.319/.319) DR 56" (+1",+.50") X 10' (2",2") 56" Inlet Sheets

TENSILE TESTS

Wire Size			Test No.	Deformed Nominal Lbs/Ft	Nominal Wire DIA (Inches)	Nominal Area Sq. In.	Tensile	ROA	Bend	Heat No
Longitudinal	Transverse	Convolutd								
D8	--	--	1	0.2720	0.319	0.0800	113051	--	PASS	1000227976
--	D8	--	1	0.2720	0.319	0.0800	111464	--	PASS	1000227976

WELD SHEAR TESTS

WIRE SIZES: D8 / D8

Test Number	1	2	3	4	Average	Pass/Fail
Break Load (Lbs Of Force)	4027	4728	4934	5145	4709	PASS

MINIMUM BREAK LOAD REQUIRED: 2800 LBS OF FORCE

This material is certified as Domestic and was made from steel rod that was melted, manufactured, and processed completely in the United States. The rod was then manufactured into welded wire reinforcement in the United States. The use of this product conforms with Buy America Requirements set forth in 23 CFR Subpart D, Section 635.410, Buy America Requirements and Title 49 - Transportation, Chapter VI - Federal Transit Administration, Department of Transportation Part 661 - Buy America Requirements - Surface Transportation Assistance Act of 1982, As Amended.

Quality Assurance Manager:

Licia Kirschner

Date: 29-OCT-2024



MATERIAL CERTIFICATION OF COMPLIANCE and TEST REPORT

Saint Joseph, MO

Insteel Wire Products hereby certifies that the Steel Welded Wire Reinforcement material identified below has been manufactured in accordance with and meets the requirements of: ASTM - ASTM A1064-22.

Sales Order Number: 573684-2.1

BOL Number: 00406150

Job Number: 983599

PO Number: Email Jimmy

Item: 533-343100

Product Description: 4 X 4 D8/D8 (.319/.319) DR 68" (+1",+.50") X 10' (2",2") 68" Inlet Sheets

TENSILE TESTS

Wire Size			Test No.	Deformed Nominal Lbs/Ft	Nominal Wire DIA (Inches)	Nominal Area Sq. In.	Tensile	ROA	Bend	Heat No
Longitudinal	Transverse	Convolutd								
D8	--	--	1	0.2720	0.319	0.0800	113051	--	PASS	1000227976
--	D8	--	1	0.2720	0.319	0.0800	111464	--	PASS	1000227976

WELD SHEAR TESTS

WIRE SIZES: D8 / D8

Test Number	1	2	3	4	Average	Pass/Fail
Break Load (Lbs Of Force)	4027	4728	4934	5145	4709	PASS

MINIMUM BREAK LOAD REQUIRED: 2800 LBS OF FORCE

This material is certified as Domestic and was made from steel rod that was melted, manufactured, and processed completely in the United States. The rod was then manufactured into welded wire reinforcement in the United States. The use of this product conforms with Buy America Requirements set forth in 23 CFR Subpart D, Section 635.410, Buy America Requirements and Title 49 - Transportation, Chapter VI - Federal Transit Administration, Department of Transportation Part 661 - Buy America Requirements - Surface Transportation Assistance Act of 1982, As Amended.

Quality Assurance Manager:

Shirley Kirschner

Date: 29-OCT-2024



Office: 479.439.9171
PO Box 1479
Huntsville, AR 72740
20121 E Hwy 412
Springdale, AR 72764

Date: 7/2/2024

Buy American Certification For Glenpool WasteWater Treatment Plant Improvements

Street: 11 E. 136th PL

City:Glenpool

State: Oklahoma

Zip Code: 74033

Job#2300438

JL Bryson inc. Certifies that the following Products and/or materials shipped/ provided to the project above are in full compliance with the American Iron and Steel Requirments as Mandated in the EPA's State revolving fund Programs based on all available Buy American Certifications and material testing reports provided by suppliers and Steel Mills of Iron and steel products used in the course of fabrication.

- Fabricated Stainless Steel pipe

All products Fabricated by JL Bryson will be fabricated at 20121 E Hwy 412 Springdale Ar, 72764 USA

If any of the above Compliance statements change while providing material to this project we will immediately notify the prime contractor and the engineer.

Sincerely,

Bryson VanDermyden

Project Manager

Prepared By: Bryson VanDermyden
P: (775) 338-3465
Email: bryson@jlbrysoninc.com

June 25, 2025

Felker Brothers Corporation
22 North Chestnut Avenue
Marshfield, WI 54449

Subject: American Iron and Steel Certification for Project (Glenpool WasteWater Treatment
Plant Improvements Street: 11 E. 136th Pl
City :Glenpool
State: Oklahoma
Zip Code: 74033
JOB# 2300438

I, Brandon Dix, certify to the best of my knowledge that the following products and/or materials shipped/provided to the above referenced project are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs.

Item, Products and/or Materials:

1. EL 90 A774-304L 8 SCH10S
2. EL 90 A774-304L 12 SCH10S
3. EL 45 A774-304L 8 SCH10S
4. TEE A774-304L 12 SCH10S
5. PIPE A312-304L 12 SCH10S

Such process took place at one or both the following locations:

Marshfield, WI
Glasgow, KY

If any of the above compliance statements change while providing material to this project, we will immediately notify the distributor of Felker Brothers Corporation.



Brandon Dix
Vice President of Sales & Marketing



Core & Main LP
South Central Plant Group
5800 E. Skelly Dr. Suite 707
Tulsa, OK. 74135

August 4, 2025

To: Crossland Heavy Contractors
Attn: Jason Smith
Ref: Pratt Valves / Glenpool WWTP

Dear Mr. Smith,

Mueller / Pratt has been producing and supplying valves for the water / wastewater industry for American Iron and Steel Act projects since its inception. Various Pratt Valves are exempt from AIS due to material content of the iron and steel being less than 50% of the product makeup. This allows Pratt to be in conformance with the requirements of the project specifications. The below guideline by the EPA outlines the acceptance of this exemption.

[American Iron and Steel Requirements for State Revolving Funds](#)

This link takes you to training slides provided by the EPA. Specifically, page 29 and 30 explains if this is not an iron and steel product, then it does not need to meet AIS Requirements. This is the scenario for the valves on the above referenced project.

Please also see the attached Conformance letter from Pratt listing the specific valves being supplied for the Glenpool project.

Sincerely,

A handwritten signature in black ink that reads 'Gregory Dill'.

Greg Dill

Regional Sales Manager

Critical Infrastructure Group

Local Knowledge
Local Experience
Local Service, Nationwide®

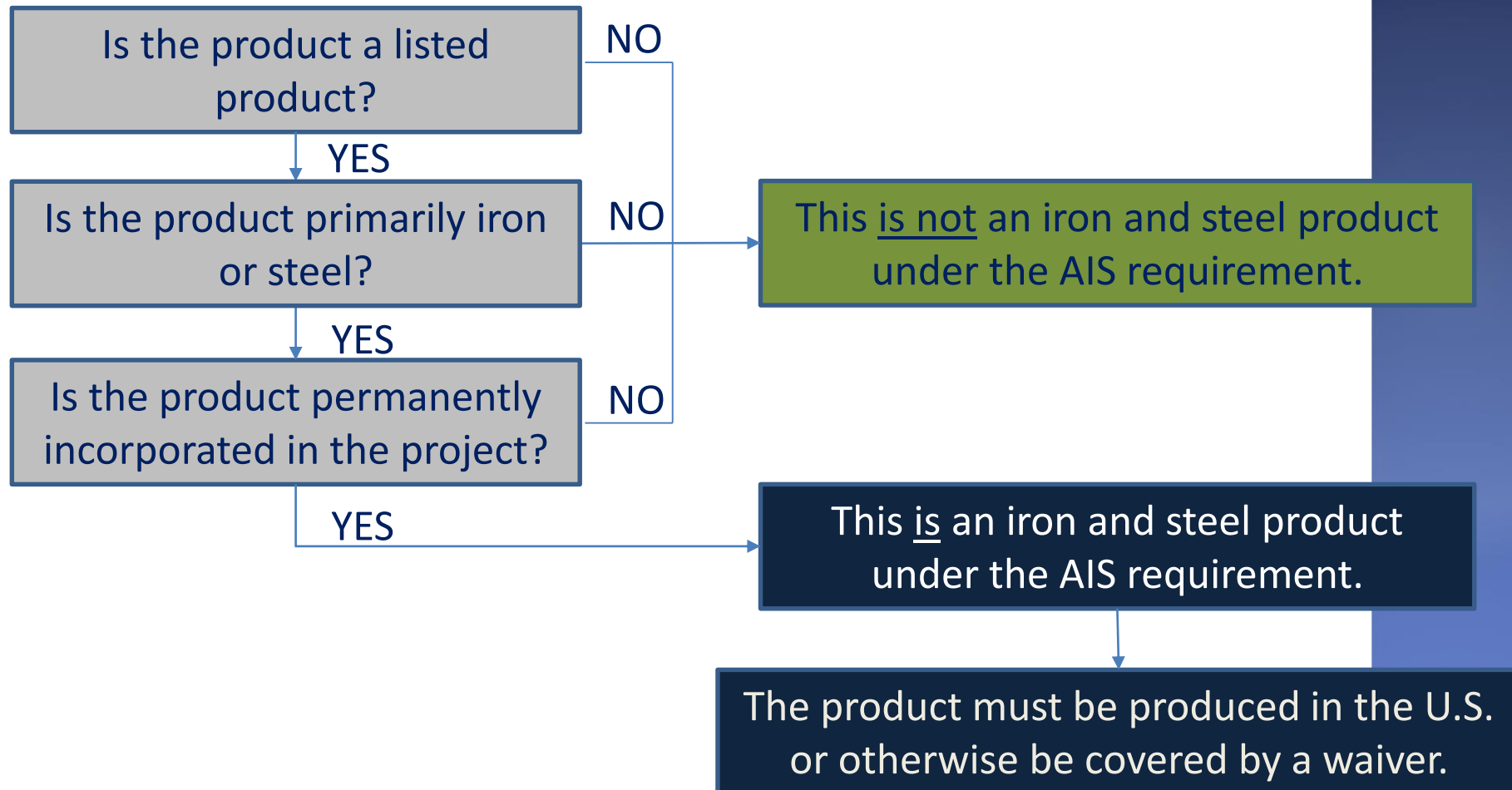


Is the product “Primarily” Iron or Steel?

- Products greater than 50% iron or steel, measured by material costs only (not labor, overhead, shipping, etc.)
- How do I calculate material cost?
 - Fire hydrant example:
 - Typical iron/steel components – bonnet, body and shoe
 - Other non-iron/steel material costs – stem, coupling, valve, seals, etc
 - Assembly of the internal workings into the hydrant body would not be included in cost calculation



What is an Iron and Steel Product Under the AIS Requirement?





Mueller Water Products Headquarters
1200 Abernathy Road NE,
Suite 1200
Atlanta, GA 30328

Phone: 770-206-4200

EPA American Iron and Steel Certification of Conformance

7/31/25

Location: Glenpool, OK
Project: Glenpool WWTP Improvements
Letter Ref. Nr.: 1409
Order Nr.: 53888119HP

As of the date of this certification, I certify that the above items are not primarily iron or steel products because they are composed of less than 50% iron or steel content as measured by material cost. The products are in conformance with the EPA memo titled "Implementation of American Iron and Steel provisions of P.L. 113-76, Consolidated Appropriations Act, 2014".

A copy of this document is available at:

"<http://www.epa.gov/sites/production/files/2015-09/documents/ais-final-guidance-3-20-14.pdf>" (please see items 11 and 12 on pages 5 and 6).

Items, Products and/or Materials:

Part#	Description	Size	Quantity
1 1000-601ABN1AGHWS3PF1U	10" 601 FLG N/S BUNA AB CAP	10	5
2 0400-601ABN1AGHWS3PF1U	4" 601 FLG N/S BUNA AB CAP	4	3
3 0800-600ABN1BGS3PF1U	8" 600 MJE N/S BUNA PV	8	3
4 0400-851FL-1-FS-MID-U	4" 851 FLEX CV, BUNA FLAPPER	4	3
5 0600-601ABN1AGHWS3PF1U	6" 601 FLG N/S BUNA AB CAP	6	3
6 0400-601ABN1LS3PF1U	4" 601 FLG N/S BUNA AB CAP	4	4
7 061FR-1668EAALHP2	6 150B FL BFV MDT2S HW OL	6	2
8 BF2-080-8788	8" LUG BF2-8788	8	6

Other than for the purpose stated in the first paragraph of this letter, this letter does not convey compliance with any other statute, rule, program or law, including but not limited to, any other federal funding requirements such as the (BABA Act) Infrastructure Investment and Jobs Act, Public Law 117-58 apply.

Sincerely,

Karli Peadro
Manager, Regulatory Compliance
kpeadro@muellerwp.com

DATE: September 9th, 2025

REFERENCE: Aquestia USA (ARI USA) AIS Compatible Air Valves

PROJECT NAME: Glenpool WWTP Improvements

Location: Glenpool, OK

Contractor: Crossland Heavy Contractors

Owner: City of Glennpool

I certify that the processes for manufacturing or fabricating the following products and/or materials provided for the subject project The valve is constructed with fiberglass reinforced nylon body and other composite non-metallic components which make the iron/steel content below the threshold outlined in the Act:

1. ARI AIS D020TSS02 2" Combination Air Release Valves with Stainless Steel Body, and MNPT Threaded Connection

I further certify that the products and/or materials are in full compliance with complies with the requirements of the American Iron and Steel Act (AIS) as outlined in The Consolidated Appropriations Act of 2014 (Public Law 113-76). If any of the above compliance statements change while providing material to this project, we will immediately notify the supplier, prime contractor, consulting engineer or project owner.

Regards,



D. Kim Sorensen, P.E.

Senior Applications Engineer

A.R.I. USA Inc.



AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

January 14, 2025

Correspondence ID#: AAL-50329

Crossland Heavy Construction

Attn: Jason Smith

501 S. East Ave

Columbus, Kansas 66725

USA

Ph# 918-438-2800

Email: jason.smith@heavycontractors.com

Project: GLENPOOL WWTP OK

RE: American Iron and Steel certification for subject project

Glenpool WWTP OK/Glenpool, OK

AASI Proposal #174434 dated November 8, 2024

AASI Engineer's Submittal Data

AASI reference Project ID# 116490 / SO# 109068

Crossland Heavy Contractors, Inc. PO# 020

Aqua-Aerobic Systems, Inc. iron and steel products described in the above documents are in compliance with the American Iron and Steel (AIS) provisions of P.L. 113-76 of the Consolidated Appropriations Act, 2014 for the subject project. This step certification is based upon the following United States Environmental Protection Agency documents:

1. American Iron and Steel Requirement Guidance (March 20, 2014).
2. Questions and Answers Part 1: Valves and Hydrants (May 30, 2014).
3. Questions and Answers Part 2: Products, Projects and Process (September 10, 2014)
4. American Iron and Steel Requirement - Approved National Waiver; National Product Waiver for Minor Components in Iron and Steel Products (with Cost Ceiling) (October 27, 2015)
5. Consolidated and Further Continuing Appropriations Act 2015 (Jan 15, 2015)
6. EPA Response to AASI Guidance Clarification Request (July 23, 2015)

I certify the following mechanical and electrical equipment products shipped/provided to the subject project are not a "construction material" for purposes of the AIS requirement per item # 22 of the "American Iron and Steel Requirement Guidance (March 20, 2014)" and answers to Product Questions per "Questions and Answers Part 2: Products, Projects and Process (September 10, 2014)".

I further certify components of the mechanical and electrical equipment products on the "Covered Iron and Steel Products" list (such as valves, pipes, flanges, and pipe fittings, etc.) are appurtenances used specifically and solely with non-covered mechanical and electrical equipment products per product question # 11 of "Questions and Answers Part 2: Products, Projects and Process (September 10, 2014)" and the EPA response to AASI Guidance Clarification Request (July 23, 2015).

Description of the mechanical and electrical equipment products:

AquaSBR® Sequencing Batch Reactor

If any of the above compliance statements change while providing material to this project we will immediately notify the prime contractor and the engineer. If you have any questions regarding this certification, please do not hesitate to contact us.

CERTIFIED BY: Aqua-Aerobic Systems, Inc.

Sincerely,



Mike Swartz
Project Manager

CC: File

WATER CONTROL GATES

P.O. Box 1058 - 370 South Athol Road
Athol, Massachusetts 01331, USA
Tel (978) 249-7924 Fax (978) 249-3072
www.whipps.com

1/29/2026

Crossland Heavy Contractors
14149 E. Admiral Pl.
Tulsa, OK 74116

Subject: American Iron and Steel (AIS) Certification
Project: WWTP Improvements – Glenpool, OK
P.O. #: 02S
Whipps S.O. #: 35054

Certification of AIS Compliance

Whipps, Inc. certifies that the following products and/or materials shipped/provided to the above referenced project are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs

Item, Products and/or Materials:

Seven (7) 32" X 48" Series 923 Stainless Steel Slide Gates
One (1) 30" X 48" Series 923 Stainless Steel Slide Gate
One (1) 21" X 48" Series 923 Stainless Steel Slide Gate
One (1) 30" X 48" Series 924 Stainless Steel Sluice Gate
Two (2) 30.75" X 78" Series 923 Stainless Steel Slide Gates
Two (2) 31" X 78" Series 921 Stainless Steel Slide Gates
One (1) 34" X 34" Series 925 Stainless Steel Slide Gate
Two (2) 8R-6S X 96" Series 310 Stainless Steel T-Valves
Three (3) 6R-5S X 42" Series 310 Stainless Steel T-Valves

Manufacturing processes take place at the following location:

Whipps, Inc.
370 South Athol Rd.
Athol, MA 01331 – USA

If any of the above compliance statements change while providing material to this project we will immediately notify the prime contractor and/or engineer.

Whipps, Inc.

High Quality Water Control Gates Since 1977

A handwritten signature in black ink, appearing to read "Richard H. Truesdell 2nd". The signature is fluid and cursive, with a large initial "R" and "H".

Richard H. Truesdell 2nd
Quality Assurance Manager

AMERICAN IRON & STEEL CERTIFICATE OF COMPLIANCE

March 23, 2026

Atlas Piping Products
5510 24th St. NE
Tacoma, WA 98422
(253) 442-6545

Certificate of AIS compliance for the following project:

Job: Glenpool Wastewater Treatment Plant Improvements
Contractor: Crossland Heavy Contractors
Engineer: Garver
Location: Glenpool, OK

I Aaron Skiles certify that the following materials follow the American Iron and Steel compliance as mandated in the EPA's state revolving fund programs:

- ADJ. ELBOW SUPPORT FOR 8" IPS - 2'-1" CL
- ADJ. SADDLE SUPPORT FOR 6" DIP - 5'-0" CL
- ADJ. SADDLE SUPPORT FOR 8" IPS - 2'-1" CL
- ADJ. SADDLE SUPPORT FOR 12" IPS - 2'-1" CL
- ADJ. U-BOLT SUPPORT FOR 6" DIP - 5'-0" CL
- ADJ. U-BOLT SUPPORT FOR 8" IPS - 2'-1" CL
- ADJ. U-BOLT SUPPORT FOR 8" IPS - 5'-6" CL
- WALL SUPPORT ANCHOR FOR 12" IPS - 1'-3 1/4" CL
- WALL SUPPORT GUIDE FOR 12" IPS - 1'-3 1/4" CL
- FIXED CLAMP SUPPORT FOR 8" IPS - 1'-10" CL
- FIXED CLAMP SUPPORT FOR 8" IPS - 5'-6" CL
- FIXED CLAMP SUPPORT FOR 12" IPS - 2'-1" CL
- FIXED CLAMP SLIDE SUPPORT FOR 6" DIP - 1'-9" CL
- FIXED SADDLE SUPPORT FOR 20" DIP - 2'-6" CL
- FIXED SADDLE SUPPORT FOR 24" DIP - 2'-6" CL
- WALL SUPPORT ANCHOR FOR 12" IPS - 1'-8 1/2" CL
- WALL SUPPORT ANCHOR FOR 12" IPS - 2'-0 1/4" CL
- WALL SUPPORT GUIDE FOR 12" IPS - 1'-8 1/2" CL
- WALL SUPPORT GUIDE FOR 12" IPS - 2'-0 1/4" CL
- RAIL MOUNT HOSE RACK
- WALL PIPE SUPPORT ANCHOR FOR 8" IPS - 3'-6" CL
- WALL PIPE SUPPORT ANCHOR FOR 12" IPS - 1'-8 1/2" CL
- WALL PIPE SUPPORT FOR 6" DIP - 3'-2" CL

- WALL PIPE SUPPORT FOR 20" DIP - 3'-3" CL
- WALL PIPE SUPPORT FOR 24" DIP - 4'-2" CL
- RISER CLAMP FOR 24" DIP
- WALL PIPE SUPPORT FOR 4" DIP - 1'-9 1/2" CL
- WALL PIPE SUPPORT FOR 8" IPS - 3'-6" CL
- WALL PIPE SUPPORT FOR 12" IPS - 1'-8 1/2" CL
- WALL SUPPORT GUIDE FOR 6" DIP - 1'-0" CL
- WALL SUPPORT GUIDE FOR 6" DIP - 1'-3" CL
- WALL DUCT SUPPORT FOR 6" FRP - 11" CL
- ADJ. CLAMP SUPPORT FOR 10" DIP - 2'-1" CL
- FIXED CLAMP SUPPORT FOR 16" DIP - 2'-1" CL
- ADJ. CLAMP SUPPORT FOR 16" DIP - 2'-1" CL
- ADJ. SADDLE SUPPORT FOR 16" DIP - 2'-0" CL
- ADJ. SADDLE SUPPORT FOR 24" DIP - 2'-4" CL
- ADJ. U-BOLT SUPPORT FOR 10" DIP - 1'-6" CL
- FIXED HEIGHT SUPPORT FOR 16" FLANGE @ 2'-0" CL
- FIXED HEIGHT SUPPORT FOR 20" FLANGE @ 2'-0 3/4" CL
- FIXED HEIGHT SUPPORT FOR 24" FLANGE @ 2'-4" CL
- T-POST U-BOLT SUPPORT FOR 4" DIP - 7'-4 1/4" CL
- Clevis Hanger Assembly for 4" DIP
- Clevis Hanger Assembly for 2" IPS
- Clevis Hanger Assembly for 3" IPS

All fabrication of the materials mentioned above and for the project listed above took place in a manufacturing facility located at 32251 W Bud Rd Maricopa, AZ 85339.

All material mill certifications are on file in our office and or provided to the purchaser.

If any of the above compliance statements change while providing materials to the project, we will notify the general contractor and engineer.

Sincerely,



Aaron Skiles
Operations Manager

12748 East Florence Ave. • Santa Fe Springs, CA 90670
Phone: (562) 944-9549 • (800) 652-6587 • Fax: (562) 944-9360 • www.pacificcoastbolt.com

Date: 6/15/2026

Core & Main
Attn: Jeff Withers

Subject: American Iron and Steel Certification For:

Project Name: GLENPOOL WWTP
Location: GLENPOOL, OK 74033
Contractor: CROSSLAND HEAVY CONTRACTORS
Engineer: MATTHEW COX
PO#s: PUR1000006465, PUR1000004717, PUR1000001884, PUR1000001600, PUR1000001405

I, Tom Collins, certify to the best of my knowledge that the (melting, bending, coating, galvanizing, cutting etc.) process for manufacturing or fabricating the following products and/or materials shipped or provided for the subject project are in full compliance with the American Iron and Steel ("AIS") requirement as mandated in the EPA's State Revolving Fund Programs.

Item, Products and/or Materials:

MISC. T-HEAD W/NUT SETS, CONSISTING OF:

ASTM F593 316 SS T-Head Bolts, Domestic
ASTM A194 Grade 8M 316 SS Heavy Hex Nuts, Blue Coated, Domestic

MISC. 150# FLANGE BOLT/STUD/NUT KITS (LESS GASKETS), CONSISTING OF:

ASTM A307 Grade B Heavy Hex Bolts, Domestic
ASTM A563 Heavy Hex Nuts, Domestic
ASTM A194 Grade 2H Heavy Hex Nuts, Domestic
ASTM A194 Grade 8M Heavy Hex Nuts, Domestic
ASTM A193 Grade B7 All-Thread Studs, Domestic
ASTM F593 316 SS Hex Cap Screws, Domestic
ASTM F594 316 SS Finished Hex Nuts, Domestic

MISC. MJ STUD KITS (LESS GASKETS), CONSISTING OF:

ASTM F593 316 SS All-Thread Studs, Domestic
ASTM F594 316 SS Finished Hex Nuts, Domestic

Such process took place at the following location(s):
Santa Fe Springs, CA / Houston, TX / Birmingham, AL / Magnolia, TX

If any of the above compliance statements change while providing material on this project, we will immediately notify the prime contractor and the engineer.

Sincerely,

Tom Collins

Waterworks Account Manager

12748 East Florence Ave. • Santa Fe Springs, CA 90670
Phone: (562) 944-9549 • (800) 652-6587 • Fax: (562) 944-9360 • www.pacificcoastbolt.com

Date: 6/15/2026

Core & Main
Attn: Jeff Withers

Subject: American Iron and Steel Certification For:

Project Name: GLENPOOL WWTP
Location: GLENPOOL, OK 74033
Contractor: CROSSLAND HEAVY CONTRACTORS
Engineer: MATTHEW COX
PO#s: P000027327, P000025566, P000016166, P000011983, P000011154

I, Tom Collins, certify to the best of my knowledge that the (melting, bending, coating, galvanizing, cutting etc.) process for manufacturing or fabricating the following products and/or materials shipped or provided for the subject project are in full compliance with the American Iron and Steel ("AIS") requirement as mandated in the EPA's State Revolving Fund Programs.

Item, Products and/or Materials:

MISC. 150# FLANGE BOLT/NUT KITS (LESS GASKETS), CONSISTING OF:

ASTM F593 316 SS Hex Cap Screws, Domestic
ASTM F593 316 SS Hex Bolts, Domestic
ASTM F594 316 SS Finished Hex Nuts, Domestic

ASTM A307 Grade B Heavy Hex Bolts, Domestic

Such process took place at the following location(s):
Santa Fe Springs, CA

If any of the above compliance statements change while providing material on this project, we will immediately notify the prime contractor and the engineer.

Sincerely,

Tom Collins

Waterworks Account Manager



109 Fifth St. Orlando, FL 32824
1101 Industrial Blvd, Gainesville, GA 30501
3387 Plumas-Arboga Road, Olivehurst, CA 95961
1534 No. Industrial Blvd. Ottawa, KS 66067
58144 Old Portland Rd, Bldg D, Portland, OR 97053
3065 S. 43rd Avenue, Phoenix, AZ 85009
21425 147th Ave. No. Rogers, MN 55374
596 Trout Run Road, Ephrata, PA 17522
7030 Old Pearsall Road, San Antonio, TX 78252
2023 St Louis Ave, Bessemer, AL 35020

September 29, 2025

Subject: American Iron and Steel Step Certification

Job Name: GLENPOOL WWTP IMPROVEMENTS

Location: GLENPOOL, OK 74033

Contractor: CROSSLAND HEAVY CONTRACTORS

Distributor: CORE & MAIN

Purchase Order: P000017041; P000011155; P000017358

I, Matthew Hood, certify that the melting, casting, fabrication, and processing to include the application of lining and coating for the manufacture of the following products provided to the subject project is in full compliance with the American Iron and Steel requirement as mandated in EPA's States Revolving Fund Programs.

Products:

- **P000017358**
 - 4EA - 10"x1'7-1/4" CL53-FDUxFDU CEM
 - 4EA - 10"x1'7-1/4" CL53-FXUxTOLxFDU CEM
- **P000011155**
 - 1EA - 04x7/8" THK FILLER FLG AIS DOM GLS
 - 1EA - 4"x1'9-1/4" GLS CL53-FDUxFDU
 - 1EA - 4"x4'6" GLS CL53-FDUxTOLxPLN
 - 1EA - 4"x3'0" GLS CL53-FDUxTOLxPLN
 - 1EA - 4"x3'0" GLS CL53-FDUxPLN
 - 1EA - 4"x5'6" GLS CL53-FDUxPLN
 - 1EA - 4"x10'0" GLS CL53-FDUxFDU
 - 1EA - 4"x7'6" GLS CL53-FDUxPLN
 - 1EA - 4"x5'7-5/8" GLS CL53-FDUxFDU
 - 1EA - 04X04 DI DOM FL WYE-GLS
 - 5EA - 04 DI DOM FL 45-GLS
 - 2 EA - 04 DI DOM FL 90-GLS
 - 1 EA - 04 DI DOM BL FL T 02 -GLS

- **P000017041**
 - 1EA - 20"x1'10" CL53-FDUxFDU CEM
 - 1EA - 24"x1'9-1/4" CL53-FDUxFDU CEM

The melting, casting, and processing to include application of the lining for the manufacture of the Ductile Iron Pipe, Class 53 took place at one or more of the following locations:

United States Pipe and Foundry Company, LLC
Marvel City Mini Mill
2101 Eighteenth Avenue North
Bessemer, Alabama 35020

United States Pipe and Foundry Company, LLC
Alabama Works
2023 Saint Louis Avenue
Bessemer, Alabama 35020

United States Pipe and Foundry Company, LLC
10 Adams Street
Lynchburg, Virginia 24504-1446

Vulcan Painter, Inc
Bessemer, Alabama 35020

Fabrication took place at the following location(s):

U.S. Pipe Fabrication, LLC
1534 N INDUSTRIAL AVE
OTTAWA KS 66067

U.S. Pipe Fabrication, LLC
109 5TH STREET
ORLANDO FL 32824

U.S. Pipe Fabrication, LLC
3065 S 43RD AVE
PHOENIX AZ 85009

Fittings/Flanges:

The complete manufacturing process including melting, casting and processing of the ductile iron flanges and fittings took place at the following location:

Anniston, AL

Houston, TX

Oxford, AL

If any of the above compliance statements change regarding the material on this project we will immediately notify the Purchaser immediately.

Sincerely,
United States Pipe and Foundry Company, LLC



Matthew Hood
Project Manager – South Central Region



Office: 479.439.9171
PO Box 1479
Huntsville, AR 72740
20121 E Hwy 412
Springdale, AR 72764

Date: 6/22/2026

Buy American Certification For Glenpool WasteWater Treatment Plant Improvements

Street: 11 E. 136th PL

City:Glenpool

State: Oklahoma

Zip Code: 74033

Job#2300438

JL Bryson inc. Certifies that the following Products and/or materials shipped/ provided to the project above are in full compliance with the American Iron and Steel Requirments as Mandated in the EPA's State revolving fund Programs based on all available Buy American Certifications and material testing reports provided by suppliers and Steel Mills of Iron and steel products used in the course of fabrication.

- 8" and 12" Fabricated 304ss Stainless Steel sch10 pipe

All products Fabricated by JL Bryson will be fabricated at 20121 E Hwy 412 Springdale Ar, 72764 USA

If any of the above Compliance statements change while providing material to this project we will immediately notify the prime contractor and the engineer.

Sincerely,

Bryson VanDermyden

Project Manager

Prepared By: Bryson VanDermyden
P: (775) 338-3465
Email: bryson@jlbrysoninc.com

SUMITEC INTERNATIONAL

577 Hillcrest Drive
Boilingbrook, IL 60440

Letter of Compliance to AIS Certification

Lee Supply Purchase Order Number: **25-2355-MH**

Shipment Date: **7-09-25**

Steel Pipe Flanges per AWWA C228 – Domestic Melt and Mfg.

Items Shipped:

94 - 6" Class SD Ring

87 - 12" Class SD Ring

Above items were manufactured from 316L stainless steel made and manufactured in the USA.

No material that does not meet the specification was used in the manufacturing of this order.

Mill test reports state mill where the material was manufactured.

North American Stainless – Wrightsville, PA

Manufactured By: Brandywine Machine Company – Downingtown. PA

Steve McMillen

Sales Manager



6100 South Yale
Suite 1300
Tulsa, OK 74136
918-250-5922
www.GarverUSA.com

July 27, 2026

Oklahoma Water Resources Board
3800 N Classen Blvd.
Oklahoma City, OK 73118

RE: OWRB Project No. ARP-23-0014-DPG - CWSRF Project No. ORF-23-0055-CW –
Garver Project No. 2300438 – Glenpool WWTP Improvements Project Payroll
Certification

Letter to Whom it May Concern,

Garver has collected certified payroll in compliance with Davis-Bacon requirements using the Elation Systems Software through OWRB. Garver has reviewed certified payroll for the above referenced project through July 10, 2026 in association with Crossland Heavy Contractors Application #18 Payroll records indicate that employees are paid weekly, without unauthorized payroll deductions and in accordance with the wage determination established in the contract.

Status: No Significant Finding

If you have any questions, please contact Hillary Nickels at 405-669-8726.

Respectfully,

A handwritten signature in blue ink that reads 'Thomas Helvick'.

Thomas Helvick, PE
Project Manager

Attachments: Elation Systems Report

Workforce Contractor Summary

Period From 06/10/2026 - 07/10/2026

All Locality

Contractor	Total Hours				Total Bodies			Apprentice						Section 3	
	Total	All Locality	All Locality % Goal	All Locality Actual %	Total	All Locality	All Locality %	Total	Total %	All Locality	All Locality %	Total Bodies	All Locality Bodies	Section 3 Work Hours	Total %
Project: Glenpool WWTP Improvements	8717.24	8717.24		100.00%	80	80	100.00%	96.55	1.11%	96.55	1.11%	2	2		
Crossland Heavy Contractors	2699.23	2699.23		100.00%	18	18	100.00%								
Davis Construction LLC	276.00	276.00		100.00%	7	7	100.00%								
JBH Construction	32.00	32.00		100.00%	2	2	100.00%								
JL Bryson Inc	52.29	52.29		100.00%	4	4	100.00%								
Kinard Painting	433.23	433.23		100.00%	4	4	100.00%								
Kuhn Mechanical	111.99	111.99		100.00%	3	3	100.00%	96.55	86.21%	96.55	86.21%	2	2		
Oil Capital Electric LLC	4031.50	4031.50		100.00%	25	25	100.00%								
R&R Operations, LLC	8.00	8.00		100.00%	1	1	100.00%								
RAINTECH ROOFING SHEET METAL & GUTT	330.00	330.00		100.00%	4	4	100.00%								
TEXOMA REBAR REINFORCING (DBA OF T & A REBAR LLC)	167.00	167.00		100.00%	8	8	100.00%								
THERMAL INSULATION PIPE SOLUTIONS INC	576.00	576.00		100.00%	4	4	100.00%								

Labor Activities

Reporting Period: From 06/10/2026 To 07/10/2026

Project	Total 06/10/2026-07/10/2026			Month 1 07/01/2026-07/10/2026			Month 2 06/10/2026-06/30/2026		
	No.of Workers	No.of Hours	Labor Cost	No.of Workers	No.of Hours	Labor Cost	No.of Workers	No.of Hours	Labor Cost
Total	80	8,717.24	\$2,026,274.77	67	2,724.10	\$573,008.86	70	5,993.14	\$1,453,265.91
Glenpool WWTP Improvements	80	8,717.24	\$2,026,274.77	67	2,724.10	\$573,008.86	70	5,993.14	\$1,453,265.91
Crossland Heavy Contractors	18	2,699.23	\$1,693,308.25	17	731.94	\$459,470.30	18	1,967.29	\$1,233,837.95
Laborer (DB-H) - Journeyman (Tulsa)	18	2,699.23	\$1,693,308.25	17	731.94	\$459,470.30	18	1,967.29	\$1,233,837.95
Davis Construction LLC	7	276.00	\$5,723.25	4	22.00	\$434.50	7	254.00	\$5,288.75
Laborer (DB-H) - Journeyman (Tulsa)	7	276.00	\$5,723.25	4	22.00	\$434.50	7	254.00	\$5,288.75
JBH Construction	2	32.00	\$624.00				2	32.00	\$624.00
Laborer (DB-H) - Journeyman (Tulsa)	2	32.00	\$624.00				2	32.00	\$624.00
JL Bryson Inc	4	52.29	\$4,339.40				4	52.29	\$4,339.40
Laborer (DB-H) - Journeyman (Tulsa)	3	37.41	\$2,958.76				3	37.41	\$2,958.76
Operator (DB-H) - Journeyman (Tulsa)	1	14.88	\$1,380.64				1	14.88	\$1,380.64
Kinard Painting	4	433.23	\$10,482.66	3	124.47	\$2,913.16	3	308.76	\$7,569.51
Laborer (DB-H) - Journeyman (Tulsa)	4	433.23	\$10,482.66	3	124.47	\$2,913.16	3	308.76	\$7,569.51
Kuhn Mechanical	3	111.99	\$6,253.92	2	38.69	\$2,085.75	3	73.30	\$4,168.17
Laborer (DB-B) - Apprentice (Tulsa)	1	86.75	\$4,989.64	1	35.52	\$1,926.96	1	51.23	\$3,062.68
Sheet Metal Worker (DB-B) - Apprentice (Tulsa)	1	9.80	\$490.88				1	9.80	\$490.88
Sheet Metal Worker (DB-B) - Journeyman (Tulsa)	1	15.44	\$773.39	1	3.17	\$158.79	1	12.27	\$614.60
Oil Capital Electric LLC	25	4,031.50	\$278,152.80	25	1,394.00	\$96,958.67	25	2,637.50	\$181,194.13
Electrician (DB-H) - Journeyman (Tulsa)	25	4,031.50	\$278,152.80	25	1,394.00	\$96,958.67	25	2,637.50	\$181,194.13
R&R Operations, LLC	1	8.00	\$176.00	1	8.00	\$176.00			
Laborer (DB-H) - Journeyman (Tulsa)	1	8.00	\$176.00	1	8.00	\$176.00			
RAINTECH ROOFING SHEET METAL & GUTT	4	330.00	\$8,250.00	3	30.00	\$750.00	4	300.00	\$7,500.00
Laborer (DB-H) - Journeyman (Tulsa)	4	330.00	\$8,250.00	3	30.00	\$750.00	4	300.00	\$7,500.00
TEXOMA REBAR REINFORCING (DBA OF T & A REBAR LLC)	8	167.00	\$5,272.50	8	167.00	\$5,272.50			
Ironworker (DB-H) - Journeyman (Tulsa)	3	65.00	\$2,957.50	3	65.00	\$2,957.50			
Laborer (DB-H) - Journeyman (Tulsa)	5	102.00	\$2,315.00	5	102.00	\$2,315.00			
THERMAL INSULATION PIPE SOLUTIONS INC	4	576.00	\$13,692.00	4	208.00	\$4,948.00	4	368.00	\$8,744.00
Laborer (DB-H) - Journeyman (Tulsa)	4	576.00	\$13,692.00	4	208.00	\$4,948.00	4	368.00	\$8,744.00

Certified Payroll Reporting Status as of 07/10/2026

Contractor Name	Sub To	Tier	Project Name	CPR Through
4 State Fence Inc	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/18/2026
ANKMAR, D.H. PACE COMPANY	Crossland Heavy Contractors	1	Glenpool WWTP Improvements (Completed)	7/4/2026
Crossland Heavy Contractors		p	Glenpool WWTP Improvements	07/12/2026
Davis Construction LLC	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/16/2026
GROOMS IRRIGATION COMPANY	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	no reports
Impact Contractors, LLC	Crossland Heavy Contractors	1	Glenpool WWTP Improvements (Completed)	3/21/2026
JBH Construction	Crossland Heavy Contractors	1	Glenpool WWTP Improvements (Completed)	6/19/2026
JL Bryson Inc	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/12/2026
Kinard Painting	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/12/2026
Kuhn Mechanical	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/14/2026
Masonry IV, Inc.	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/12/2026
Oil Capital Electric LLC	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/12/2026
Premiere Interiors LLC	Crossland Heavy Contractors	1	Glenpool WWTP Improvements (Completed)	5/21/2026
R&R Operations, LLC	Crossland Heavy Contractors	1	Glenpool WWTP Improvements (Completed)	07/18/2026
RAINTECH ROOFING SHEET METAL & GUTT	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	7/8/2026
TEXOMA REBAR REINFORCING (DBA OF T & A REBAR LLC)	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/11/2026
THERMAL INSULATION PIPE SOLUTIONS INC	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	07/19/2026
Vanguard Builders, Inc	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	6/14/2026
Wood Systems, Inc	Crossland Heavy Contractors	1	Glenpool WWTP Improvements	6/20/2026

Crossland Heavy Contractors (Prime Contractor)

Activity Started: 01/12/25

Most Recent Activity: 07/12/26

Last login Date: 07/21/26 by Kayla OBrien

Last Report Submitted: 07/12/26

Total Payroll Reports: 79

Total No Work Performed: 2

Outstanding Issues: 0

Fringe Benefits

Apprentice Certificate

Print

Messages

Change Completion Status

Withhold Payment

Filter by Status: All status New Draft Flagged Void

Filter by Period: All Weeks Top 5 Weeks In Month 07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/12/2026			07/17/2026		
07/05/2026			07/10/2026		
06/28/2026			07/10/2026		
06/21/2026			06/26/2026		
06/14/2026			06/23/2026		

4 State Fence Inc

Activity Started: 03/08/25

Most Recent Activity: 07/18/26

Last login Date: 07/21/26 by Sharon Hackett

Last Report Submitted: 07/18/26

Total Payroll Reports: 72

Total No Work Performed: 69

Outstanding Issues: 0

Fringe Benefits

Apprentice Certificate

Print

Messages

Change Completion Status

Filter by Status: All status New Draft Flagged Void

Filter by Period: All Weeks Top 5 Weeks In Month 07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/18/2026			07/21/2026		
07/11/2026			07/14/2026		
07/04/2026			07/07/2026		
06/27/2026			06/30/2026		
06/20/2026			06/23/2026		

ANKMAR, D.H. PACE COMPANY

Activity Started: 05/31/25

Most Recent Activity: 07/04/26

Last login Date: 07/08/26 by Brian Dodson

Last Report Submitted: 07/04/26

Total Payroll Reports: 58

Total No Work Performed: 53

Outstanding Issues: 0

Fringe Benefits

Apprentice Certificate

Print

Messages

Change Completion Status

Filter by Status: All status New Draft Flagged Void

Filter by Period: All Weeks Top 5 Weeks In Month 07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/04/2026		Final	07/03/2026		
06/27/2026			06/29/2026		
06/20/2026			06/29/2026		
06/13/2026			06/29/2026		
06/06/2026			06/29/2026		

Davis Construction LLC

Activity Started: **02/20/25** Most Recent Activity: **07/16/26** Last login Date: **07/17/26 by Crystal Welch** Last Report S
Total Payroll Reports: **74** Total No Work Performed: **37** Outstanding

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

Filter by Status: [All status](#) New Draft Flagged Void Filter by Period: All Weeks [Top 5 Weeks](#) In Month 07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/16/2026			07/17/2026		
07/09/2026			07/13/2026		
07/02/2026		(History)	07/06/2026		
06/25/2026			06/30/2026		
06/18/2026			06/23/2026		

Impact Contractors, LLC

Activity Started: **12/13/25** Most Recent Activity: **03/21/26** Last login Date: **04/27/26 by Ginger Cato** Last Repor
Total Payroll Reports: **15** Total No Work Performed: **12** Outstandi

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

Filter by Status: All status New Draft Flagged Void Filter by Period: All Weeks Top 5 Weeks In Month <u>03</u> / <u>26</u>						
Week Ending	To .xls	CPR Accept / Reject		Submitted Date	Action	Issues
03/21/2026		Final	(History)	03/31/2026		
03/14/2026				03/31/2026		
03/07/2026				03/31/2026		
02/28/2026				03/31/2026		
02/21/2026				03/31/2026		

JBH Construction (Completed)

Activity Started: **05/08/26** Most Recent Activity: **06/19/26** Last login Date: **06/29/26 by christopher pierce** Last Report Su
Total Payroll Reports: **6** Total No Work Performed: **4** Outstanding I

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

Filter by Status: All status New Draft Flagged Void Filter by Period: All Weeks Top 5 Weeks In Month <u>06</u> / <u>26</u>						
Week Ending	To .xls	CPR Accept / Reject		Submitted Date	Action	Issues
06/19/2026		Final	(History)	06/29/2026		
06/12/2026				06/29/2026		
06/05/2026				06/29/2026		
05/29/2026				06/29/2026		
05/22/2026				06/29/2026		

JL Bryson Inc

Activity Started: **03/15/26** Most Recent Activity: **07/12/26** Last login Date: **07/17/26 by Theresa Case** Last Rep
Total Payroll Reports: **18** Total No Work Performed: **5** Outstanc

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

Filter by Status: All status New Draft Flagged Void Filter by Period: All Weeks Top 5 Weeks In Month <u>07</u> / <u>26</u>						
Week Ending	To .xls	CPR Accept / Reject		Submitted Date	Action	Issues
07/12/2026				07/17/2026		
07/05/2026				07/09/2026		
06/28/2026				07/09/2026		
06/21/2026				07/09/2026		
06/14/2026				06/23/2026		

Kinard Painting

Activity Started: **08/03/25** Most Recent Activity: **07/12/26** Last login Date: **07/16/26 by Ashlee Spears** Last Report Su
Total Payroll Reports: **51** Total No Work Performed: **23** Outstanding Is

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

Filter by Status:

All status

New

Draft

Flagged

Void

Filter by Period:

All Weeks

Top 5 Weeks

In Month

07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/12/2026			07/16/2026		
07/05/2026			07/09/2026		
06/28/2026			07/02/2026		
06/21/2026			06/26/2026		
06/14/2026			06/18/2026		

Kuhn Mechanical[Comment](#)

Activity Started: 06/03/25

Most Recent Activity: 07/14/26

Last login Date: 07/15/26 by [Jeni D. McGee](#)

Last Report Submit

Total Payroll Reports: 59

Total No Work Performed: 17

Outstanding Issues

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#) ↻Filter by Status: [All status](#) New Draft Flagged Void Filter by Period: All Weeks [Top 5 Weeks](#) In Month 07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/14/2026			07/15/2026		
07/07/2026			07/08/2026		
06/30/2026			07/08/2026		
06/23/2026			06/26/2026		
06/16/2026			06/24/2026		

Masonry IV, Inc.[Comment](#)

Activity Started: 07/20/25

Most Recent Activity: 07/12/26

Last login Date: 07/16/26 by [Christina Beaver](#)

Last Report

Total Payroll Reports: 52

Total No Work Performed: 25

Outstanding

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#) ↻Filter by Status: [All status](#) New Draft Flagged Void Filter by Period: All Weeks [Top 5 Weeks](#) In Month 07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/12/2026			07/16/2026		
07/05/2026			07/16/2026		
06/28/2026			07/02/2026		
06/21/2026			06/25/2026		
06/14/2026			06/18/2026		

Oil Capital Electric LLC[Comment](#)

Activity Started: 01/05/25

Most Recent Activity: 07/12/26

Last login Date: 07/17/26 by [Stacey Shrauner](#)

Last Report Submitted:

Total Payroll Reports: 81

Total No Work Performed: 15

Outstanding Issues:

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#) ↻Filter by Status: [All status](#) New Draft Flagged Void Filter by Period: All Weeks [Top 5 Weeks](#) In Month 07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/12/2026		(History)	07/17/2026		
07/05/2026			07/16/2026		
06/28/2026		(History)	07/17/2026		
06/21/2026			06/26/2026		
06/14/2026			06/19/2026		

Premiere Interiors LLC (Completed)[Comment](#)

Activity Started: 09/04/25

Most Recent Activity: 05/21/26

Last login Date: 05/18/26 by [Bethany Newman](#)

Last Report

Total Payroll Reports: 39

Total No Work Performed: 22

Outstanding

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#) ↻Filter by Status: [All status](#) New Draft Flagged Void Filter by Period: All Weeks [Top 5 Weeks](#) In Month 05 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
05/21/2026		Final	05/18/2026		
05/14/2026			05/14/2026		
05/07/2026			05/14/2026		
04/30/2026			05/14/2026		
04/23/2026			05/14/2026		

R&R Operations, LLC
[Comment](#)

 Activity Started: **10/25/25**

 Most Recent Activity: **07/18/26**

 Last login Date: **07/20/26 by CJ Johnson**

Last Repo

 Total Payroll Reports: **39**

 Total No Work Performed: **34**

Outstand

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

 Filter by Status: **All status** New Draft Flagged Void Filter by Period: All Weeks **Top 5 Weeks** In Month **07** / **26**

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/18/2026		Final	07/20/2026		
07/11/2026			07/20/2026		
07/04/2026			07/20/2026		
06/27/2026			06/16/2026		
06/20/2026			06/16/2026		

RAINTECH ROOFING SHEET METAL & GUTT
[Comment](#)

 Activity Started: **02/04/26**

 Most Recent Activity: **07/08/26**

 Last login Date: **07/21/26 by Marsha Watkins**

Last Report Sub

 Total Payroll Reports: **23**

 Total No Work Performed: **2**

Outstanding Iss

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

 Filter by Status: **All status** New Draft Flagged Void Filter by Period: All Weeks **Top 5 Weeks** In Month **07** / **26**

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/08/2026			07/21/2026		
07/01/2026			07/06/2026		
06/24/2026			07/06/2026		
06/17/2026			06/29/2026		
06/10/2026			06/19/2026		

TEXOMA REBAR REINFORCING (DBA OF T & A REBAR LLC)
[Comment](#)

 Activity Started: **03/29/25**

 Most Recent Activity: **07/11/26**

 Last login Date: **07/17/26 by ARTURO GUERRERO**

Last Report

 Total Payroll Reports: **68**

 Total No Work Performed: **15**

Outstanding

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

 Filter by Status: **All status** New Draft Flagged Void Filter by Period: All Weeks **Top 5 Weeks** In Month **07** / **26**

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/11/2026			07/17/2026		
07/04/2026			07/09/2026		
06/27/2026			06/30/2026		
06/20/2026			06/24/2026		
06/13/2026			06/20/2026		

THERMAL INSULATION PIPE SOLUTIONS INC
[Comment](#)

 Activity Started: **06/07/26**

 Most Recent Activity: **07/19/26**

 Last login Date: **07/20/26 by Marcos Moreno**

Last Report Subr

 Total Payroll Reports: **7**

 Total No Work Performed: **1**

Outstanding Issu

[Fringe Benefits](#) · [Apprentice Certificate](#) · [Print](#) · [Messages](#) · [Change Completion Status](#)

 Filter by Status: **All status** New Draft Flagged Void Filter by Period: All Weeks **Top 5 Weeks** In Month **07** / **26**

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/19/2026			07/20/2026		
07/12/2026			07/20/2026		
07/05/2026			07/20/2026		
06/28/2026		(History)	07/20/2026		
06/21/2026		(History)	07/20/2026		
06/14/2026		(History)	07/20/2026		
06/07/2026		(History)	07/20/2026		

Filter by Status: [All status](#) New Draft Flagged Void Filter by Period: All Weeks [Top 5 Weeks](#) In Month 07 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
07/19/2026			07/22/2026		
07/12/2026			07/22/2026		
07/05/2026			07/22/2026		
06/28/2026			07/22/2026		
06/21/2026			07/22/2026		

Filter by Status: [All status](#) New Draft Flagged Void Filter by Period: All Weeks [Top 5 Weeks](#) In Month 06 / 26

Week Ending	To .xls	CPR Accept / Reject	Submitted Date	Action	Issues
06/20/2026			06/17/2026		
06/13/2026			06/17/2026		
06/06/2026			06/17/2026		
05/30/2026			06/17/2026		
05/23/2026			06/17/2026		

CLEAN WATER STATE REVOLVING FUND								
OUTLAY REPORT AND REQUEST FOR LOAN PROCEEDS FOR CONSTRUCTION PROGRAMS FROM THE WASTEWATER FACILITY CONSTRUCTION REVOLVING LOAN ACCOUNT (CWSRF)		1. DISBURSEMENT REQUEST NO. 3		PAGE 1 OF 1				
		2. LOAN NUMBER ASSIGNED BY OWRB: ORF-23-0055-CW						
3. EMPLOYEE IDENTIFICATION NUMBER 73-0959766	4. RECIPIENT ACCOUNT OR OTHER ID NUMBER: ABA #103003632 CHECKING #70038448	5. PERIOD COVERED BY THIS REPORT <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border-bottom: 1px solid black;">FROM: (mm/dd/yyyy)</td> <td style="text-align: center; border-bottom: 1px solid black;">TO: (mm/dd/yyyy)</td> </tr> <tr> <td style="text-align: center;">6/22/2026</td> <td style="text-align: center;">7/13/2026</td> </tr> </table>			FROM: (mm/dd/yyyy)	TO: (mm/dd/yyyy)	6/22/2026	7/13/2026
FROM: (mm/dd/yyyy)	TO: (mm/dd/yyyy)							
6/22/2026	7/13/2026							
6. RECIPIENT ORGANIZATION Name: Glenpool Utility Services Authority No. and Street: 12205 South Yukon Avenue City/State/Zip: Glenpool, OK 74033		7. PAYEE (if different than No. 6) Name: No. and Street: City/State/Zip:						
8. STATUS OF FUNDS								
CLASSIFICATIONS	BUDGET & PAYMENT TRACKING			TOTAL (cumulative amounts)				
	BUDGET AMOUNTS	PREVIOUS TOTALS	THIS REQUEST					
a. Project Funds	\$ 34,737,500.00	\$ 2,057,886.43	\$ 1,309,567.93	\$ 3,367,454.36				
Bond Counsel Fees	\$ 262,500.00	\$ 262,500.00	\$ -	\$ 262,500.00				
c.	\$ -	\$ -	\$ -	\$ -				
d.	\$ -	\$ -	\$ -	\$ -				
e.	\$ -	\$ -	\$ -	\$ -				
f.	\$ -	\$ -	\$ -	\$ -				
g.	\$ -	\$ -	\$ -	\$ -				
h.	\$ -	\$ -	\$ -	\$ -				
i.	\$ -	\$ -	\$ -	\$ -				
j.	\$ -	\$ -	\$ -	\$ -				
k.	\$ -	\$ -	\$ -	\$ -				
l. Contingency	\$ -	N/A	N/A	N/A				
m. TOTALS	\$ 35,000,000.00	\$ 2,320,386.43	\$ 1,309,567.93	\$ 3,629,954.36				
n. Amount Previously Requested	N/A	N/A	N/A	\$ 2,320,386.43				
o. Amount of this request	N/A	N/A	N/A	\$ 1,309,567.93				
p. Percent complete w/ construction	N/A	N/A	N/A	9.69%				
9. CERTIFICATION								
I certify that to the best of my knowledge and belief the billed cost or disbursement represents the amount due which has not been previously requested and that an inspection has been performed on all construction.	a. Recipient	SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	DATE REPORT SUBMITTED 8/3/2026					
		TYPED/PRINTED NAME AND TITLE Joyce Calvert, Chairman	TELEPHONE NO. 918-322-5409					
	b. Representative Certifying to line 8.o.	SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	DATE REPORT SUBMITTED 8/3/2026					
		TYPED/PRINTED NAME AND TITLE Lesli Smith	TELEPHONE NO. 918-322-5409					

To: Honorable Chair and Trustees, Glenpool Utility Service Authority

From: Jesse Hale, Director of Public Works

Meeting Date: August 3, 2026

Department/Office: Public Works

Item Name: Discussion and possible action to approve, amend, or deny the proposal from Barnhart Excavating in the amount of \$10,800

Summary:

During excavation of the new path for our collapsed sewer line in the 14000 block of Glen St, the contactors hit solid rock. In addition, the path for the is covered with other utilities, making the excavation for the new sewer line grind to a slow crawl. The contractor must hydrovac and then move in their excavator to break up rock. The contractor has let us know that the cost will be an additional \$10,800 to complete the work. This addition is to cover the extra three days of estimated time it will take to hydrovac the path for the new sewer line.

Recommended Action:

Staff recommends the approval of the proposal for sewer repair from Barnhart Excavating in the amount of \$10,800.00

Budget:

02-6-16-6235 GUSA 16 Contract Services

Attachments:

1. ChangeOrder01-Email

RE: Glenpool Signed proposal

From Trevor McGowan <TrevorM@barnhartexcavating.com>

Date Fri 7/31/2026 8:34 AM

To Jesse Hale <jhale@cityofglenpool.com>

Cc Sarah Griffin <sgriffin@cityofglenpool.com>; John Mozingo <johnm@barnhartexcavating.com>; Justin Delcoure <Justin@barnhartexcavating.com>; Bret Whitney <BretW@barnhartexcavating.com>

Jesse,

No worries. I know understand that you do not need Barnhart to do anything with the house and the item on the quote is not in play to be used.

Yes sir \$ 10,800 will be the added line item to cover the extra hydrovac time.

Thank you for confirming the house situation.

You are welcome,

Trevor McGowan, Project Manager

Barnhart Excavating
Cell: (918) 404-1121

From: Jesse Hale <jhale@cityofglenpool.com>

Sent: Friday, July 31, 2026 7:25 AM

To: Trevor McGowan <TrevorM@barnhartexcavating.com>

Cc: Sarah Griffin <sgriffin@cityofglenpool.com>; John Mozingo <johnm@barnhartexcavating.com>; Justin Delcoure <Justin@barnhartexcavating.com>; Bret Whitney <BretW@barnhartexcavating.com>

Subject: Re: Glenpool Signed proposal

I apologize if unclear. The original 10k to repair the house was not approved on your quote so we will have to ask for any additional funds over the 48,550.

So if I am reading this right, you are asking for an additional \$3,600 x 3 days or \$10,800 to cover the extra hydrovac?

Thank you for clarification.

Jesse

Get [Outlook for Android](#)

From: Trevor McGowan <TrevorM@barnhartexcavating.com>

Sent: Friday, 31 July 2026 07:11:41

To: Jesse Hale <jhale@cityofglenpool.com>

Cc: Sarah Griffin <sgriffin@cityofglenpool.com>; John Mozingo <johnm@barnhartexcavating.com>; Justin

Delcours <Justin@barnhartexcavating.com>; Bret Whitney <BretW@barnhartexcavating.com>

Subject: RE: Glenpool Signed proposal

Jesse,

Data for you all to have for the City Council meeting.

1. I did not get an answer regarding the "house footing Repair" dollars. So the City has that 10K to work with if you choose to not have Barnhart perform any house functions. Barnhart assumes Eden Structural repairs are covered by them. If so that frees up those dollars.
2. Today is day 3 of using the Hydrovac in that uses up all the original dollars in that line item. Each additional day will be \$ 3,600.00 per line item # 20. Barnhart estimates another 3 days of hydrovac. Hydrovac is the only thing we can use to dig with due to the excessive amount of old and new utilities in the area. The estimate on that line-item increase is \$10,800.00.
3. Barnhart will be happy to run a cost report once the job is complete and all the tickets are in. We can compare that final cost vs original proposal and the unforeseen conditions. At that point we can be review if there is anything we can do to help the dollars we can address it post job.

Take Care,

Trevor McGowan, Project Manager

Barnhart Excavating

. _____

To: Chair and Board of Trustees, Glenpool Utility Service Authority (GUSA)

Mayor and Council, City of Glenpool

From: David Agbetunsin, Chief Operations Officer

Meeting Date: August 3, 2026

Department/Office: Administration

Item Name:

Summary:

WASTEWATER TREATMENT FACILITY PROJECT UPDATE

Wastewater Treatment Plant (WWTP)

The City of Glenpool has been awarded an American Rescue Plan Act (ARPA) grant for a new mechanical wastewater treatment facility (WWTF). The proposed project involves constructing a 3.0 MGD Sequencing Batch Reactor (SBR) Mechanical Wastewater Treatment Plant (WWTP) located at 14000 S BARBER ST W GLENPOOL 74033.

Project Program Management Summary

Consultant/Project Program Manager (PPM) – S2 Engineering PLLC	Cost to Date (\$)	Contact Amount (\$)	S2E Engineering PLLC
Task			Progress (%)
Project Administration	184,377.80	198,200.00	93%
Design Consultant Selection Phase	28,488.00	28,488.00	100%
Regulatory Approval/Permits	57,954.00	57,954.00	100%
Public Communication Phase	58,593.47	58,302.00	100%
Detailed Design Phase	101,390.00	101,390.00	100%
Bidding Phase	19,251.00	19,251.00	100%
Construction Phase	208,986.74	245,291.00	85%
Plant Startup	-	58,541.00	0%
New Site Property and Topographic Survey	39,316.22	44,978.00	87%
Site Flood Plain Permitting NoRise Analysis	24,862.50	26,766.00	93%
Conditional Letter of Map Revisions (CLOMR), if needed	-	31,316.00	0%
Letter of Map Revisions (LOMR), if	-	34,024.00	0%

needed			
Environmental Information Document	40,568.91	42,662.00	95%
ARPA Grant Administration Coordination	8,940.40	52,604.00	17%
TOTAL	772,729.04	999,767.00	77%

Invoices paid during this period are attached to this report. These invoices align with the agreement established on 05-01-2023 between S2 Engineering PLLC and Glenpool Utility Services for the provision of Project Program Management Services.

Professional Engineering Design

Garver LLC is rendering professional engineering services as per the agreement executed on August 7, 2023. Invoices paid during the reporting period are attached to the report.

Engineer Consultant – Garver LLC	Cost to Date (\$)	Contact Amount (\$)	Garver LLC
Core Tasks			Progress (%)
Project Management & Admin	74,011.85	74,011.85	100%
Geotechnical Coordination	6,115.00	6,115.00	100%
Preliminary Design	927,669.00	927,669.00	100%
Final Design	1,238,962.54	1,238,962.54	100%
Bidding & Equipment Procurement Services	126,739.39	126,760.00	100%
Construction Administration	547,856.25	642,218.00	85%
Construction Observation	413,488.82	665,258.40	62%
O&M Manual And Startup Training	48,433.31	127,461.00	38%
Application Engineering	105,504.04	437,367.00	24%
TOTAL	3,488,780.20	4,245,822.79	82%

Construction Contract

Crossland Heavy Contractors serves as the general contractor for the City of Glenpool Wastewater Treatment Plant Improvement Project, in accordance with the contract effective December 19, 2024.

Crossland Heavy Contractors	Amount (\$)
Amount Paid to Date	\$42,873,722.42

Pay Application in this period	\$1,309,567.93
The original contract sum	\$58,809,985.00
The balance to finish including retainage	\$14,626,694.65

Schedule

- Construction is scheduled to be completed by March 2027.

Construction Updates

- Performed SBR and Digester Diffuser anchor pull test (no issues).
- Aqua-Aerobic began mechanical checkout on SBR and Digester.
- Continued pulling wire in ductbanks & terminating panels Matt will get an overall status update on panel terminations and will communicate with Garver/Integrator
- Installed and tested 6"-1-1/2" W3 line from Eff. Pump header pipe to NPW Booster Pump in Hypo.
- Building. Tested and passed. Report is uploaded to Procore.
- Continued with electrical work in the Electrical Building, UV, Digester, Solids Dewatering, Headworks, SBR and Influent PS.
- Continued installing equipment and piping at Solids Dewatering
- Finished installing grit removal equipment in the vortex area and Headworks Building.
- Continued heat trace/insulation on SBR piping
- Poured pavement on the west and south side of Admin. Building.
- Finished installing fence, chemical skid and piping at Dechlorination Building. Matt will set up chemical delivery. The waterline connection is on hold for the time being. Glenpool to provide temporary eyewash before the equipment startup.
- Finished SBR pipe coatings.
- Began Eff. Pump pipe coatings
- Installed the 24" FEB control valve.
- Began installing Odor control equipment/piping

Recommended Action:

This report is for information purposes only.

Budget:

Attachments:

1. WWTF GUSA Board Update - July 2026
2. Glenpool-WWTF-PPM Services-S2E Invoice 06-1354
3. 2300438-32

August 3, 2026

To: Chair and Board of Trustees, Glenpool Utility Service Authority (GUSA)

Mayor and Council, City of Glenpool

From: David Agbetunsin, City Engineer

Period: July 1- 31, 2026

WASTEWATER TREATMENT FACILITY PROJECT UPDATE

Wastewater Treatment Plant (WWTP)

The City of Glenpool has been awarded an American Rescue Plan Act (ARPA) grant for a new mechanical wastewater treatment facility (WWTF). The proposed project involves constructing a 3.0 MGD Sequencing Batch Reactor (SBR) Mechanical Wastewater Treatment Plant (WWTP) located at 14000 S BARBER ST W GLENPOOL 74033.

Project Program Management Summary

Consultant/Project Program Manager (PPM) – S2 Engineering PLLC	Cost to Date (\$)	Contact Amount (\$)	S2E Engineering PLLC
Task			Progress (%)
Project Administration	184,377.80	198,200.00	93%
Design Consultant Selection Phase	28,488.00	28,488.00	100%
Regulatory Approval/Permits	57,954.00	57,954.00	100%
Public Communication Phase	58,593.47	58,302.00	100%
Detailed Design Phase	101,390.00	101,390.00	100%
Bidding Phase	19,251.00	19,251.00	100%
Construction Phase	208,986.74	245,291.00	85%
Plant Startup	-	58,541.00	0%
New Site Property and Topographic Survey	39,316.22	44,978.00	87%
Site Flood Plain Permitting NoRise Analysis	24,862.50	26,766.00	93%
Conditional Letter of Map Revisions (CLOMR), if needed	-	31,316.00	0%
Letter of Map Revisions (LOMR), if	-	34,024.00	0%
Environmental Information Document	40,568.91	42,662.00	95%
ARPA Grant Administration Coordination	8,940.40	52,604.00	17%
TOTAL	772,729.04	999,767.00	77%

Invoices paid during this period are attached to this report. These invoices align with the agreement established on 05-01-2023 between S2 Engineering PLLC and Glenpool Utility Services for the provision of Project Program Management Services.

Professional Engineering Design

Garver LLC is rendering professional engineering services as per the agreement executed on August 7, 2023. Invoices paid during the reporting period are attached to the report.

Engineer Consultant – Garver LLC	Cost to Date (\$)	Contact Amount (\$)	Garver LLC
Core Tasks			Progress (%)
Project Management & Admin	74,011.85	74,011.85	100%
Geotechnical Coordination	6,115.00	6,115.00	100%
Preliminary Design	927,669.00	927,669.00	100%
Final Design	1,238,962.54	1,238,962.54	100%
Bidding & Equipment Procurement Services	126,739.39	126,760.00	100%
Construction Administration	547,856.25	642,218.00	85%
Construction Observation	413,488.82	665,258.40	62%
O&M Manual And Startup Training	48,433.31	127,461.00	38%
Application Engineering	105,504.04	437,367.00	24%
TOTAL	3,488,780.20	4,245,822.79	82%

Construction Contract

Crossland Heavy Contractors serves as the general contractor for the City of Glenpool Wastewater Treatment Plant Improvement Project, in accordance with the contract effective December 19, 2024.

Crossland Heavy Contractors	Amount (\$)
Amount Paid to Date	\$42,873,722.42
Pay Application in this period	\$1,309,567.93
The original contract sum	\$58,809,985.00
The balance to finish including retainage	\$14,626,694.65

Schedule

- Construction is scheduled to be completed by March 2027.

Construction Updates

- Performed SBR and Digester Diffuser anchor pull test (no issues).
- Aqua-Aerobic began mechanical checkout on SBR and Digester.
- Continued pulling wire in ductbanks & terminating panels Matt will get an overall status update on panel terminations and will communicate with Garver/Integrator
- Installed and tested 6"-1-1/2" W3 line from Eff. Pump header pipe to NPW Booster Pump in Hypo.
- Building. Tested and passed. Report is uploaded to Procore.
- Continued with electrical work in the Electrical Building, UV, Digester, Solids Dewatering, Headworks, SBR and Influent PS.
- Continued installing equipment and piping at Solids Dewatering
- Finished installing grit removal equipment in the vortex area and Headworks Building.
- Continued heat trace/insulation on SBR piping
- Poured pavement on the west and south side of Admin. Building.
- Finished installing fence, chemical skid and piping at Dechlorination Building. Matt will set up chemical delivery. The waterline connection is on hold for the time being. Glenpool to provide temporary eyewash before the equipment startup.
- Finished SBR pipe coatings.
- Began Eff. Pump pipe coatings
- Installed the 24" FEB control valve.
- Began installing Odor control equipment/piping



Recommendation

This report is for information purposes only.

Invoice

Date	Invoice #
7/25/2026	06-1354

Bill To
Mr. David Agbetunsin Chief Operations Officer City Of Glenpool 12205 S. Yukon Ave. Glenpool, OK 74033

Service Start Date : May 1, 2023	
P.O. No.	
Period Ending	6/30/2026

GLENPOOL WASTEWATER TREATMENT FACILITIES PROJECT PROGRAM MANAGEMENT SERVICES
Agreement Reference: GUSA / May 1, 2023

Core Task Description	(%) Billed	LS Fee	Amount Billed
Core Task A: Project Administration	0.002	198,200.00	396.40
Core Task G: Construction Phase	0.075	245,291.00	18,396.83
Total			\$18,793.23

CORE TASKS FEE SUMMARY	
Core Tasks Lump Sum Fee	\$767,415.00
Billed To Date	\$659,041.23
Amount Remaining	\$108,373.77

Balance Due (This Invoice)	\$18,793.23
-----------------------------------	-------------

For any questions on this invoice, please contact 918-904-0385.
If mailing, please mail check to:
S2 Engineering, PLLC
P.O. Box 2347, Broken Arrow, OK 74013.
Thank You!



6100 S Yale Ave. Suite 1300
Tulsa, OK 74136

TEL 918.250.5922

www.GarverUSA.com

Progress Report

Glenpool WWTP Improvements

To: Glenpool Utility Service Authority
From: Thomas Helvick, PE
Copies to: Garver File 2300438
Period Ending: June 26, 2026

Please allow us to give a brief progress report of our work on the above referenced project.

Recent Accomplishments

- Review Submittals and RFIs
- Attend Monthly Progress Meeting
- Conduct Construction Administration and Observation
- Review Contractor Pay Application
- Review Allowance Authorization Requests
- Continue Working on Application Engineering
- Continue Working on O&M Manual
- Prepare for Site Readiness Testing

Need from Others

- None

Planned Assignments for Next Reporting Period

- Review Submittals and RFIs
- Attend Monthly Progress Meeting
- Deliver Draft O&M
- Prepare for Start-Up
- Conduct Site Readiness Testing



6100 South Yale Ave, Suite 1300
Tulsa, OK 74136
918-250-5922

www.GarverUSA.com

INVOICE

David Agbetunsin
City of Glenpool, OK
12205 S Yukon Ave
Glenpool, OK 74033

July 06, 2026
Garver Project No : 2300438
Invoice No : 2300438-32

Project: Glenpool Wastewater Treatment Facility Design

Professional Engineering Services through June 26, 2026

	Percent Complete	Contract Amount	Total Billed to Date	Previous Billings	Current Billing
Lump Sum Services					
Task 1- Project Management & Admin	100%	\$74,011.85	\$74,011.85	\$74,011.85	\$0.00
Task 2 - Geotechnical Coordination	100%	\$6,115.00	\$6,115.00	\$6,115.00	\$0.00
Task 3 - Preliminary Design	100%	\$927,669.00	\$927,669.00	\$927,669.00	\$0.00
Task 4 - Final Design	100%	\$1,238,962.54	\$1,238,962.54	\$1,238,962.54	\$0.00
Hourly Services					
Bidding & Equipment Procurement Services		\$126,760.00	\$126,739.39	\$126,739.39	\$0.00
Construction Administration		\$642,218.00	\$547,856.25	\$542,396.61	\$5,459.64
Construction Observation		\$665,258.40	\$413,488.82	\$389,338.90	\$24,149.92
O&M Manual and Startup Training		\$127,461.00	\$48,433.31	\$34,368.60	\$14,064.71
Application Engineering		\$437,367.00	\$105,504.04	\$84,725.25	\$20,778.79
Totals		\$4,245,822.79	\$3,488,780.20	\$3,424,327.14	\$64,453.06

Total Amount This Invoice \$64,453.06

Outstanding Invoices as of July 06, 2026

No Unpaid Invoices

Total Amount Now Due \$64,453.06

Authorized by:

Thomas Helvick PE
Project Manager

Remit Payment To:

For delivery via regular US postal service:

Garver, LLC
P.O. Box 736556
Dallas, TX 75373-6556

For delivery via overnight courier service:

JPMorgan Chase (TX1-0029)
Attn: Garver, LLC P.O. Box 736556
14800 Frye Road, 2nd Floor
Fort Worth, TX 76155

Attachment to Invoice: 2300438-32

July 06, 2026

Garver Project: 2300438

Glenpool Wastewater Treatment Facility Design

Billing Period through June 26, 2026

Construction Administration

Personnel	Hours	Pay Rate	Amount
Helvick, Thomas	3.00	\$51.04	\$153.12
Helvick, Thomas	13.00	\$52.97	\$688.61
Martin, Kipp	2.00	\$82.97	\$165.94
Niblett, Michael	1.00	\$77.63	\$77.63
Niblett, Michael	1.00	\$84.85	\$84.85
Nickels, Hillary	3.50	\$31.30	\$109.55
Nickels, Hillary	11.00	\$32.75	\$360.25
Tate, Russell	0.50	\$96.16	\$48.08
Labor			\$1,688.03
Overhead at 194.03% of Labor		2.9403	\$3,275.28
Profit at 10% of Labor and Overhead		1.1	\$496.33

Due This Invoice:

Construction Administration \$5,459.64

Attachment to Invoice: 2300438-32

July 06, 2026

Garver Project: 2300438

Glenpool Wastewater Treatment Facility Design

Billing Period through June 26, 2026

Construction Observation

Personnel	Hours	Pay Rate	Amount
Doss, Tevin	43.00	\$37.02	\$1,591.86
Doss, Tevin	119.00	\$39.19	\$4,663.61
Hedrick, Brenda	9.00	\$28.85	\$259.65
Labor			\$6,515.12

Overhead at 194.03% of Labor	2.9403	\$12,641.29
Profit at 10% of Labor and Overhead	1.1	\$1,915.64

Reimbursable Expenses	Amount
Lodging :	\$2,500.00
Meals :	\$50.02
Mileage :	\$527.85
Reimbursable Expenses Total	\$3,077.87

Due This Invoice:

Construction Observation \$24,149.92

Attachment to Invoice: 2300438-32

July 06, 2026

Garver Project: 2300438

Glenpool Wastewater Treatment Facility Design

Billing Period through June 26, 2026

O&M Manual and Startup Training

Personnel	Hours	Pay Rate	Amount
Glen, Shawn	4.00	\$74.04	\$296.16
Gonzalez, Tyler	6.75	\$24.47	\$165.17
Helvick, Thomas	9.00	\$51.04	\$459.36
Helvick, Thomas	22.00	\$52.97	\$1,165.34
Karbarz, Matthew	62.75	\$23.00	\$1,443.25
Niblett, Michael	1.00	\$77.63	\$77.63
Niblett, Michael	2.00	\$84.85	\$169.70
Pipkin, Jack	3.50	\$23.00	\$80.50
Ross, Benjamin	6.00	\$81.91	\$491.46
Labor			\$4,348.57
Overhead at 194.03% of Labor		2.9403	\$8,437.53
Profit at 10% of Labor and Overhead		1.1	\$1,278.61

Due This Invoice:

O&M Manual and Startup Training \$14,064.71

Application Engineering

Personnel	Hours	Pay Rate	Amount
Helvick, Thomas	2.00	\$52.97	\$105.94
Horton, Keith	10.00	\$44.73	\$447.30
Horton, Keith	18.00	\$46.90	\$844.20
Martin, Kurt	123.00	\$40.87	\$5,027.01
Labor			\$6,424.45
Overhead at 194.03% of Labor		2.9403	\$12,465.36
Profit at 10% of Labor and Overhead		1.1	\$1,888.98

Due This Invoice:

Application Engineering \$20,778.79

Green Canoe LLC

RESIDENTIAL LEASE

This is a legally binding Contract; if not understood, seek advice from an attorney.

CONTRACT DOCUMENTS. The contract is defined as this document with the following attachment(s): (check as applicable)

This is a legally binding Contract; if not understood, seek advice from an attorney.

☒ Tenant Guidelines

OWNER of Property: Sherrill Nilson

GREEN CANOE LLC 3847 S Trenton Ave Tulsa, OK 74105

Property Address: _____ 1742 E 61st Street _____

City: Tulsa **State:** OK **Zip:** 74136

Tenant: Tevin J. Doss **Phone:** 405-293-6565 **Email:** TJDoss@garverusa.com

In consideration of their mutual agreement to the following terms, conditions, and covenants, the Owner/Owner's Broker leases to Tenant and Tenant leases from Owner/Owner's Broker the above-described Premises:

TERMS, CONDITIONS, AND COVENANTS.

A. TERM. This lease is for a term of 12 months, beginning on July 1, 2025 ("Commencement Date") and expiring on June 30, 2026 ("Expiration Date"). Any extension of the Expiration Date must be mutually agreed upon in writing prior to the Expiration Date. In the event that any month's rent is not received by the landlord within ten (10) days after written notice of the landlord's demand for payment, then any tenancy shall automatically terminate, as provided by the Oklahoma Residential Landlord-Tenant Act (ORLTA). Any funds held by the Owner shall be disbursed in accordance with Paragraph 3. Tenant agrees to give Owner/Owner's Broker written notice of intent to vacate the property, Hold Over, or request to extend the lease, at least thirty (30) days, but no more than forty-five (45) days prior to the Expiration Date. NOTE: The Servicemembers Civil Relief Act (SCRA) requires that a military service member be able to terminate certain lease agreements (See Paragraph 34 of this Contract for additional information).

B. HOLD OVER TENANCY. If the Tenant holds over after the expiration of the term of this lease with the consent of the Owner, the tenancy shall be from month to month only and not be

Tenant initials TJ 1

renewed (unless there is an execution of a new written lease). Tenant agrees to pay rent and all other charges as herein provided, and to comply with all the terms and covenants of this lease from the time that Tenant holds over.

RENT. Tenant agrees to pay rent to: Green Canoe LLC , Address: 3847 S Trenton Ave, Tulsa OK 741905__ in the total amount of _\$30,000__ at the rate of _\$2500__ per month. Each monthly installment is payable in advance and is due on the 1st day of each month of the lease term. The initial lease payment must be made on the first day. If the term commences on a day other than the 1st day of a month, then proration of the rent shall occur for that month. If the term begins after the __NA__ day of any month, then the initial installment payment shall include both the prorated initial monthly payment and the payment of the first full month following.

Prorated rent for __NA__ days at \$ _____ per day equals \$ _____ and is payable on or before _____.

A. Late Payment of Rent Fee. Any rent payment that is not received by Owner/Owner's Broker by 11:59 p.m. on the 10th day of the month it is due will be assessed a late fee of \$30. The parties agree that this late fee shall serve as liquidated damages, and not a penalty for the late payment. The parties also agree that this amount is a reasonable sum to serve as the liquidated damages, and further agree that the actual damages suffered by Owner/Owner's Broker because of the late payment would be difficult, if not impossible, to ascertain. Total amount of late rent and late fee is payable by money order, check, or other certified funds. Deductions made from rent without written permission from Owner/Owner's Broker are considered as unpaid rent and will be subject to a late fee.

B. Dishonored Checks. In the event that the Tenant's bank returns the check for any reason (insufficient funds, stopped payment, etc.), Tenant agrees:

1) To replace the returned check with certified funds within twenty-four hours. Checks will not be re-deposited.

2) To include payment of \$50 dishonored check charge with the replacement certified funds along with applicable late charges

3) If Tenant has a second dishonored check, Tenant shall pay all further rents with cashier's check or money order.

C. Five Day Notice to Evict. In the case of non-payment of rent or tendering a dishonored check, the Tenant will receive a five-day (5) notice to "move or suffer eviction," as allowed by law.

3. DAMAGE OR SECURITY DEPOSIT. Tenant shall deposit with Owner/Owner's Broker a Damage or Security Deposit in the amount of \$ _____ NA _____ upon execution of this Agreement. This Damage or Security Deposit shall secure the performance of Tenant's obligations to pay rent and leave the Premises in good, clean, and operating condition, ordinary wear and tear excepted. Owner/Owner's Broker may but shall not be obligated to apply the damage or security deposit or any portion thereof to Tenant's obligations. Any balance remaining upon termination shall be returned to Tenant within thirty (30) days of both the Tenant giving written request for the return of the damage or security deposit and the Tenant giving possession of the Premises to the Owner/Owner's Broker. Tenant shall NOT have the right to apply the Damage or

Tenant initials TD 2