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April 2, 2026

CONTRACT NO. 1836

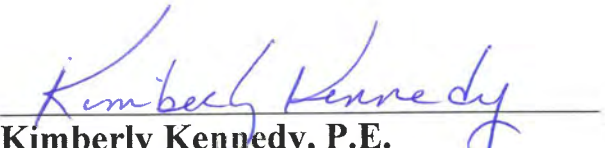
FURNISH AND INSTALL DEAERATOR

ADDENDUM NO. 1

All bidders bidding **Contract No. 1836** shall read and take note of this **Addendum No. 1**. The Contract Documents for **Contract No. 1836 Furnish and Install Deaerator** are hereby revised and/or clarified as stated below.

Acknowledgement of Contract No. 1836 Addendum No. 1

The Acknowledgement attached to **Addendum No. 1** is to be signed and returned immediately via **email** to **Tyler Trainor** at Contract.clerks@alcosan.org **and** acknowledged with Bidder's Proposal.


Kimberly Kennedy, P.E.
Director – Engineering and Construction

April 2, 2026

CONTRACT NO. 1836

FURNISH AND INSTALL DEAERATOR

ADDENDUM NO. 1

**ACKNOWLEDGEMENT OF
CONTRACT NO. 1836
FURNISH AND INSTALL DEAERATOR**

ADDENDUM NUMBER 1

FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

April 2, 2026

CONTRACT NO. 1836

FURNISH AND INSTALL DEAERATOR

ADDENDUM NO. 1

A. Contract Documents

1. Drawings:

- a) Replace the existing Site Utilization Plan (000-SU-01, Rev. 0) with the attached revised version (000-SU-01, Rev. 1). See the “Questions” section below for more details.

B. Questions

1. Question: *“Can more details be provided for the pressure relief valve (located on the deaerator) ?”*

Answer: Yes, see the attached deaerator pressure safety valve datasheet. Additionally, see the attached sight gauge and sight gauge isolation valve data sheets for more information about those components.

2. Question: *“Would it be possible to get a crane closer to the deaerator penthouse than the laydown area assigned to this contract ?”*

Answer: Yes, additional area will be available to the contractor to use during the specific period of time that their crane is on-site. The attached Site Utilization Plan has been revised to show this additional area.

3. Question: *“Where is the tunnel (pipe gallery) located (in the laydown area/crane access areas) ? It was stated that the crane outriggers cannot be placed over this tunnel”*

Answer: The tunnel is shown on the attached site utilization plan (in faint gray dashed lines). It diagonally connects the lower left portion of the 411 building with the lower right portion of the 400 building.

4. Question: “Where can the contractor’s employees park (offsite)?”

Answer: ALCOSAN has a monthly lease to use certain parking areas at the former Western State Penitentiary (located on Beaver Avenue, between Westhall & Doerr Streets). As long as ALCOSAN has a lease, the contractors will be able to utilize this parking area. Note that periodic filming of the show “Mayor of Kingstown” may impact parking and access to these areas.

5. Question: “Can a contact at Newterra be provided ?”

Answer: Yes, contact information for Newterra (manufacturer of the existing deaerator) is as follows:

Bruce Baize

Regional Sales Manager

Remediation, Stormwater, Industrial

C: 941-400-6151

bbaize@newterra.com | www.newterra.com

Attachments:

- Pre-bid meeting minutes (with sign-in sheet)
- Revised Site Utilization Plan (000-SU-01, Rev. 1)
- Deaerator pressure safety valve data sheet
- Sight gauge data sheet
- Sight gauge isolation valves data sheet

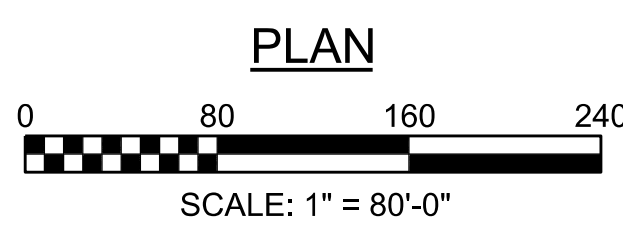
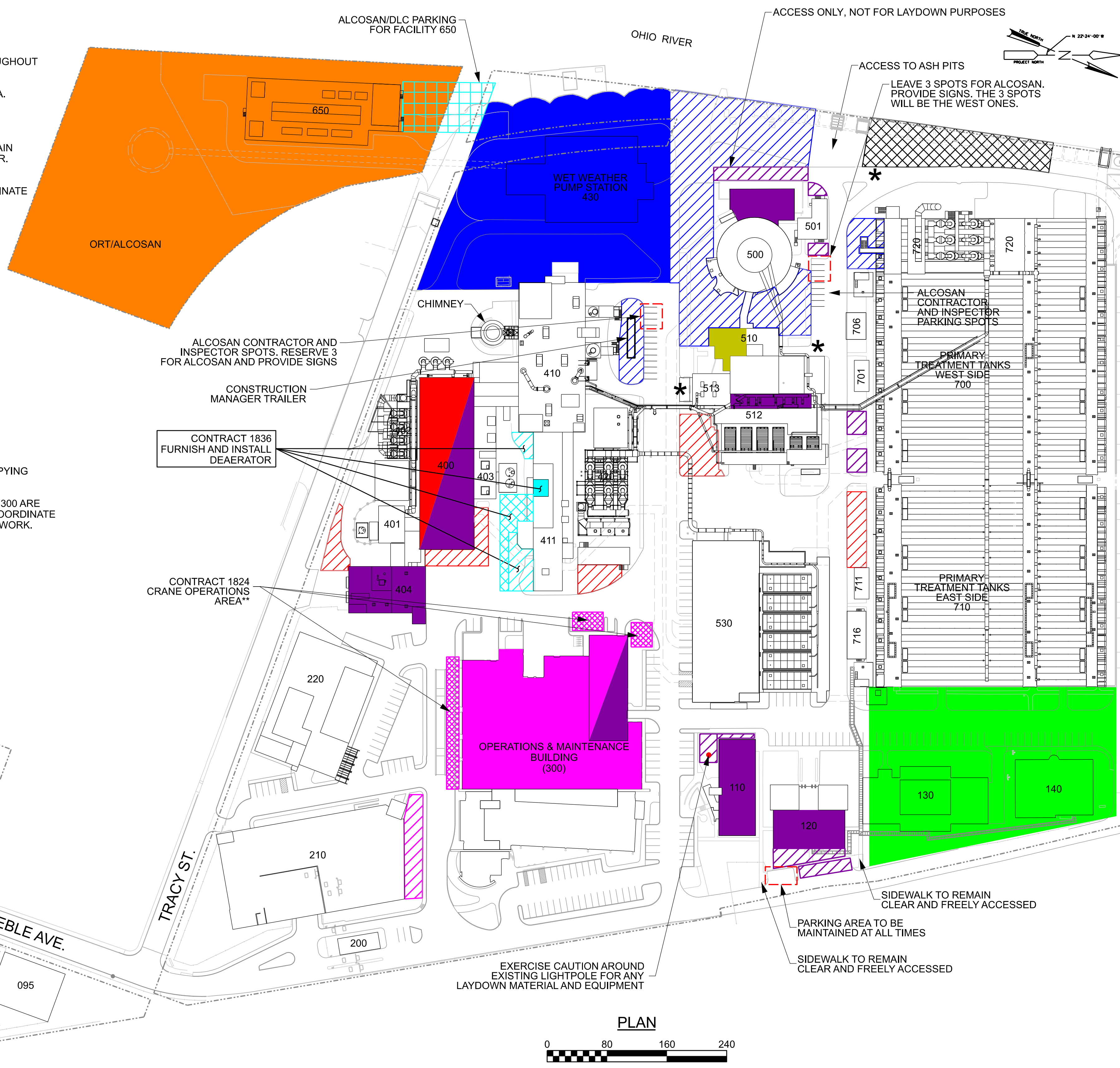
*** END OF ADDENDUM NO. 1***

GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE STAGING AREAS THROUGHOUT THE DURATION OF THE CONTRACT.
2. THE CONTRACTOR IS RESPONSIBLE TO RESTORE STAGING AREA.
3. USE OF THE SITE BY CONTRACTORS IS LIMITED TO WITHIN THE CONSTRUCTION AREA LIMITS.
4. ALL CONTRACTOR'S ACCESS SHALL BE THROUGH ALCOSAN'S MAIN GATE UNLESS OTHERWISE APPROVED BY THE OWNER/ENGINEER.
5. CONTRACTOR SHALL NOT BLOCK ACCESS TO ROLL-UP DOORS, MAIN DOORS, STEPS, PIPING/EQUIPMENT FITTINGS, ETC. COORDINATE USE OF THE LAYDOWN AREA WITH THE OWNER.

**** CRANE OPERATIONS**

1. TRAFFIC CONTROL TO BE IN OPERATION WHILE CRANE IS OCCUPYING ANY AREA OF NORMAL TRAFFIC FLOW.
2. CRANE OPERATIONS AREAS TO THE WEST AND NORTH OF BLDG 300 ARE RESERVED FOR SHORT-TERM MOBILITY OF UP TO ONE WEEK. COORDINATE CRANE LOCATION WITH OWNER PRIOR TO COMMENCEMENT OF WORK.



LEGEND

- CONTRACT 1836 FURNISH AND INSTALL DEAERATOR WORK AREA
 - CONTRACT 1836 FURNISH AND INSTALL DEAERATOR STAGING & LAYDOWN AREA
 - CONTRACT 1836 FURNISH AND INSTALL DEAERATOR LIMITED DURATION CRANE ACCESS AREA
 - CONTRACT 1832 WEST HEADWORKS RESTROOM RENOVATIONS STAGING & WORK AREA
 - CONTRACT 1800 WET WEATHER PUMP STATION WORK AREA
 - CONTRACT 1800 WET WEATHER PUMP STATION STAGING & LAYDOWN AREA
 - CONTRACT 1827 HVAC IMPROVEMENTS WORK AREA
 - CONTRACT 1827 HVAC IMPROVEMENTS STAGING & LAYDOWN AREA
 - CONTRACT 1799 SOLIDS THICKENING AND DEWATERING IMPROVEMENTS WORK AREA
 - CONTRACT 1799 SOLIDS THICKENING AND DEWATERING IMPROVEMENTS STAGING AND LAYDOWN AREA
 - CONTRACT 1760 CSO BYPASS AND DISINFECTION STAGING AND LAYDOWN AREA
 - PROJECT S-467 PRIMARY SEDIMENTATION TANKS WORK AREA
 - PROJECT 1824 O & M BLDG SOLAR PANEL INSTALLATION WORK AREA
 - PROJECT 1824 O & M BLDG SOLAR PANEL INSTALLATION STAGING AND LAYDOWN AREA
- *** CRITICAL ACCESS. KEEP CLEAR AT ALL TIMES.

ALCOSAN FACILITY NUMBERS

- 070 - CUSTOMER SERVICE & TRAINING
- 095 - VEHICLE MAINTENANCE FACILITY
- 110 - ADMINISTRATION ANNEX
- 120 - ADMINISTRATION BUILDING
- 130 - LABORATORY
- 140 - INDUSTRIAL WASTE BUILDING
- 210 - ALCOSAN PARKING GARAGE
- 220 - ENVIRONMENTAL COMPLIANCE FACILITY
- 300 - OPERATIONS & MAINTENANCE BUILDING
- 400 - DEWATERING BUILDING
- 401 - LIME BUILDING
- 402 - SOLIDS HANDLING ODOR CONTROL SYSTEM
- 403 - PERMANGANATE SYSTEM MODIFICATIONS
- 404 - SLUDGE PROCESSING & LOADING FACILITY
- 410 - ENERGY RECOVERY FACILITY
- 411 - POWER GENERATION BUILDING
- 420 - HEADWORKS ODOR CONTROL SYSTEM
- 500 - MAIN PUMPING STATION
- 501 - MAIN PUMP STATION ELECTRIC/GENERATOR BLDG
- 510 - RACK & CHLORINATION BUILDING
- 512 - GRIT HANDLING BUILDING
- 513 - TRUCK LOADING
- 530 - EAST HEADWORKS
- 600 - 5kV MAIN SUBSTATION
- 650 - 13.8 kV MAIN SUBSTATION
- 701 - PRIMARY SLUDGE PUMPING STATION
- 711 - PAINT SHOP
- 716 - EAST PRIMARY SLUDGE PUMPING STATION ELECTRICAL BUILDING
- 720 - PRIMARY TREATMENT ODOR CONTROL SYSTEM

U:\Engineering\CAD\CONTRACT\1836 - Furnish And Install Deaerator\Construction Drawings\000-SU-01.dgn

Designed by:	J. MAZZA
Drawn by:	K. WILCOX
Checked by:	J. MORVAY

REVISION			
REV No.	DATE	DESCRIPTION	APPV
1	04/02/26	REVISED IN ADDENDUM #1	

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ARLETTA SCOTT WILLIAMS
EXECUTIVE DIRECTOR, ALCOSAN

3300 PREBLE AVE.
PITTSBURGH, PA 15233
(412) 766 - 4810

www.alcosan.org

ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
FURNISH AND INSTALL DEAERATOR

000-SU-01
SITE UTILIZATION PLAN

Contract:	1836
CAD File Name:	000-SU-01.DGN
Date:	04/02/2026
Sheet:	1 of 22



CONTRACT 1836
FURNISH AND INSTALL DEAERATOR
PRE-BID MEETING MINUTES

Wednesday, April 1, 2026 @ 10:00 AM
ALCOSAN Engineering Conference Room
Jeffrey Mazza – ALCOSAN Project Engineer

*** The pre-bid meeting was essentially a recitation of the pre-bid meeting agenda. Therefore, any questions raised, or issues stressed during the meeting will simply be noted below, in red font.**

1. Introduction

- a. All attendees shall sign the pre-bid meeting attendance roster.
- b. Opening comments from ALCOSAN Project Manager.
- c. Encourage a target goal of WBE/MBE participation. (10% to 25% of contract value).

Ray Stasny was introduced as ALCOSAN's Construction Manager (CM) for this contract.

2. Legal Notice

- a. All bids to be submitted to Alcosan Engineering Department clerks on or before bid opening date and time. If the bid package is sent to ALCOSAN by land courier (UPS, FedEx, etc.), allow sufficient time for delivery to the clerks. (See page 2-2 for more details.)
- b. Bid opening on **Wednesday, April 29, 2026** at **11:00 A.M.**
- c. Anticipation of award at the May 14 ALCOSAN Board meeting. Notice to proceed expected in early June 2026.
- d. All questions about contract documents shall be submitted **in writing** to Jeffrey Mazza via email at **jeffrey.mazza@alcosan.org**. Any questions by phone are considered informal and without legal or binding effect on the contract or to the Owner. Last day for questions is **Wednesday, April 22, 2026**, by **5:00 p.m.** local (Pittsburgh) time.
- e. Pre-bid meeting is not mandatory for bidders.

Regarding item 2.a, the Engineering Department clerks are located on the second floor of the O&M building (the same building in which this pre-bid meeting was held).

3. Bidding Documents [Article One]

- a. Bid Form: Complete as required. Specifically, on page 1-2, fill in the price for the lump sum work (base bid). All bids submitted with all bid forms complete and signed by authorized representative of the Company. Bid Security (page 1-5) - Certified check or Bid Bond in the amount of ten percent (10%) of bid price shall accompany the bid.

- b. Certificate of MBE/WBE Participation, plus statements. (page 1-13)
- c. Non-collusion Affidavit (page 1-16)
- d. Certificate of Compliance with the Pennsylvania Steel Products Procurement Act (page 1-18)
- e. Contractor's Qualification Statements (page 1-20)
- f. Certificate of Safety Procedures Compliance (page 1-22)

4. Information for Bidders [Article 2]

- a. Submission and Opening of Bids (page 2-2) Pay special attention to how the envelope is to be labeled.
- b. Questions regarding contract documents (page 2-9) [Deadline for questions as listed above.]
- c. Acknowledgement of Addenda (page 2-12)
- d. Pennsylvania State Sales Tax Exemption (page 2-12)
- e. Bid Security (page 2-13)
- f. Qualifications and Experience of Bidders (page 2-15)
- g. MBE & WBE Participation (page 2-16)
- h. Project Labor Agreement, Letter of Assent (page 2-21)

NOTE: Signed letter of assent shall be furnished WITH the bid !

5. General Contract Conditions [Article Three]

- a. These are the details/particulars of the contract.

6. Contract Agreement [Article Four]

- a. Construction Milestones:

Construction Milestone	Contract Time Calendar Days
Installation of new deaerator within stated duration	12 (duration)
Substantial Completion of CONTRACT NO. 1836	176
Final Completion of Contract No. 1836	204

- b. Liquidated Damages:

Construction Milestone	Liquidated Damages
Installation of new deaerator within stated duration	\$2,500/day
Substantial Completion of CONTRACT NO. 1836	\$1,000/day
Final Completion of CONTRACT NO. 1836	\$100/day

7. Bonds, Certificates and Statements [Article Five]
 - a. Performance Bond (100% of the total contract value)
 - b. Labor and Material Payment Bond (100% of total contract value)
 - c. Maintenance Bond (100% of total contract value)

8. Brief summary of work [more detail in Article 6]
 - a. Remove & replace (with new components) the existing roofing system.
 - b. Remove and reinstall any roofing/structural steel as needed to perform the work under this contract.
 - c. Demo/remove the existing deaerator and any appurtenant systems (mechanical and electrical), required to perform the work.
 - d. Furnish and install a new deaerator, as indicated in the contract documents.
 - e. Reinstall any appurtenant components/systems (mechanical and electrical).
 - f. Furnish and install any new appurtenant components/systems described in the contract documents.
 - g. Provide for the inspection, testing & certification of the work.
 - h. Any/all other tasks stated in the contract documents or required for a complete & operational system.

9. Open Discussion, site visit, and wrap-up of Pre-bid Meeting

Question: "Can more details be provided for the pressure relief valve (located on the deaerator) ?"

Answer: Yes, more details will be provided in Addendum # 1.

Question: "Would it be possible to get a crane closer to the deaerator penthouse than the laydown area assigned to this contract ?"

Answer: Yes, additional area will be available to the contractor to use during the specific period of time that their crane is on-site. The Site Utilization Plan will be revised (in addendum # 1) to show this additional area.

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Answer: The tunnel is shown on the site utilization plan (in faint gray dashed lines). It diagonally connects the lower left portion of the 411 building with the lower right portion of the 400 building.

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Answer: ALCOSAN has a monthly lease to use certain parking areas at the former Western State Penitentiary (located on Beaver Avenue, between Westhall & Doerr Streets). As long as ALCOSAN has a lease, the contractors will be able to utilize this parking area. Note that periodic filming of the show "Mayor of Kingstown" may impact parking and access to these areas.

Question: "Can a contact at Newterra be provided ?

Answer: Yes, contact information for Newterra (manufacturer of the existing deaerator) will be furnished in Addendum #1.

Attachments:

- Attendance sheet from the pre-bid meeting.

◆ ◆ ◆ ◆ END OF MINUTES ◆ ◆ ◆ ◆

ALLEGHENY COUNTY SANITARY AUTHORITY

PRE-BID MEETING BID ATTENDANCE

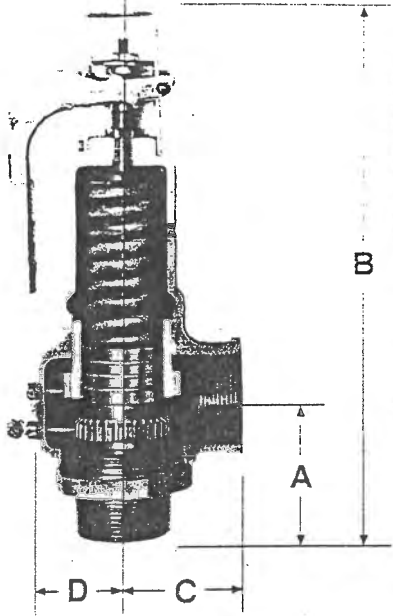
PROJECT: Furnish and Install New Deerator	CONTRACT NO. 1836
DATE: Wednesday, April 1, 2026	TIME: 10:00 A. M.

ATTENDEES PLEASE PRINT CLEARLY

	NAME	AFFILIATION	PHONE	E-MAIL
1	Jeff Mazza	ALCOSAN	()	jeffrey.mazza@alcosan.org
2	Bill King	R&B mechanical	(412) 655-0147	estimates@RandBmechanical.com
3	Pat O'Keefe	Simelco	(412) 716-1173	pat.okoefe@simelco.com
4	Matt Schuck	SCI	(412) 418-3234	matthew.schuck@simelco.com
5	SHAWN KESSEN	FREDRICK AND SON	(724) 409-7941	SKULLY@FREDRICKANDSONCONTRACTING.COM
6	Jacqie Kresen	ALCOSAN	() x8049	jacqueline.kresen@alcosan.org
7	ANDY JONES	WAYNE CHOUSE	(412) 771-5776	AJONES@WAYNECHOUSE.COM
8	MAC MCKEAY	SSM	(412) 777-5100	estimating@essmi.biz
9	Ryan Beatty	FLCS	(724) 681-5542	RBeatty@FrankLillandSon.com
10	BEN SLAVINSKI	FLCS	(814) 598-4083	BSLAVINSKI@FRANKLILLANDSON.COM
11	RAY STASOM	ALCOSAN	()	
12			()	
13			()	
14			()	

19 SERIES BRONZE SAFETY VALVES

Alcosan Spec. #15525 2.4 A



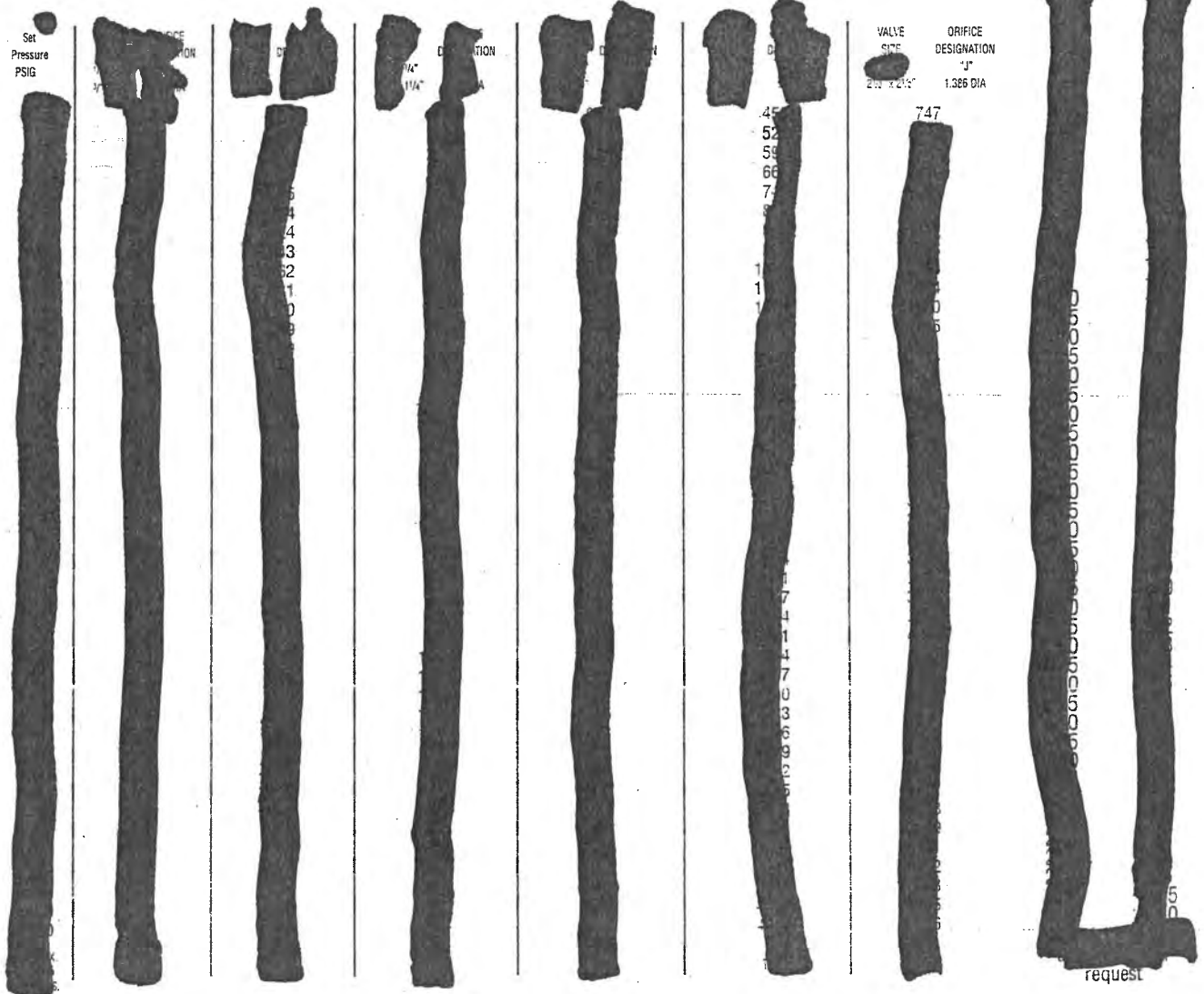
VALVE NO.	ORIFICE DESIGNATION	SIZE		A	B	C	D	WEIGHT EACS
		INLET	OUTLET					
19-801	J	2 1/2	2 1/2	3 13/16	14	3 1/2	2 7/16	19.80

“UV” AIR

ASME Section VIII – Pressure Vessels

AIR CAPACITY CHART - PRESSURE VESSEL CODE
 90% OF ACTUAL CAPACITY AT 10% ACCUMULATION
 CAPACITY IN CUBIC FEET OF AIR PER MINUTE AT 14.7 PSIA - 60°F.

KEY
 PRESSURE PSIG 15
 SUFFIX NUMBER -04



INFERNO

MFG. CORP.

SHREVEPORT, LA

U.S.A.

QUOTATION

SERIES -A- REFLEX COLUMN GAGE

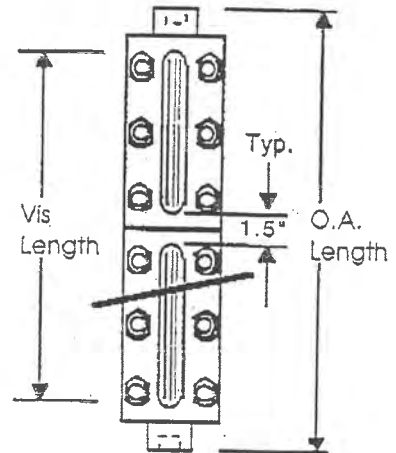
Alcosan Spec #15525 2-4 B

MODEL No: RA - 4 9 A A N C A B C A A

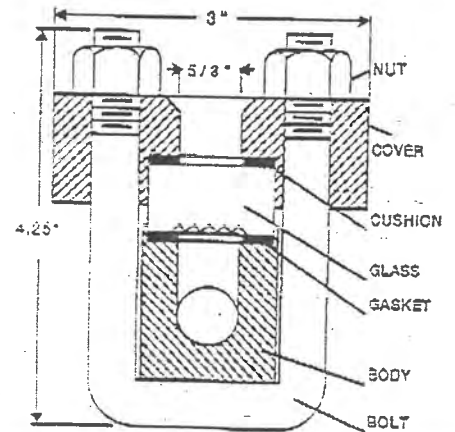
Gage Type	Reflex Series	RA	-	4	9	A	A	N	C	A	B	C	A	A
Number of Sections	Four													
Glass Size	9													
Orientation	Ends Only													
End Connections	1/2" NPT Female													
Side Connections	None													
Body (Wetted)	Carbon Steel (non-weldable)													
Cover (Non-Wetted)	ASTM A-108, Grade AISI 1018 Steel													
Glass (Wetted)	Tempered Borosilicate													
Seal (Wetted)	Grafoil™													
Cushion (Non-Wetted)	Grafoil™													
U-Bolt (Non-Wetted)	A-193 B7													
Nut (Non-Wetted)	A-194 2H													
Accessories	No Accessory													
Accessories	No Accessory													

Not Recommended for Steam Service over 250 PSI Saturated or 401°F Superheated

	English	Metric
Vessel C-C		
Visible Length, inches (mm)	55.000	1397
O.A. Length, inches (mm)	56.500	1435
Weight, lbs (kg)	74	34
Pressure Rating psi @100 F (kPa @ +38C)	1800	12411



Recommended Spares:	Part Number	Qty
Glass, Size 9 Reflex	1938074	4
Cushion, Size 9 Grafoil™	1781156	4
Seal, Size 9 Grafoil™	1781156	4



Model Number:	RA-49 AANCABCAA
Qty:	1
Price EA, does NOT include Valves or Assembly	
Customer:	Linsley-Morrissey Sales Co.
Attn: Lane Morrissey	
Quote Number:	
Quoted By:	
Date:	2/4/2000

INFERNO MFG. CORP. SHREVEPORT, LA U.S.A.

Alcosan#15525 2.4 B

GAGE VALVE

MODEL No: 15A - B A A P H A A

Valve Type	Series 15A
Vessel Connection	3/4" NPT Male, Union
Gage Connection	1/2" NPT Female, Rigid
Body Material	Forged Steel per SA-105
Trim Material	17-4 PH SS stem per SA-564 Cond. H1150M
Packing Material	Teflon
Non-Wetted Parts Material	Bar Steel per SA-105
Options	None
Body Pattern	Offset
Bonnet Style	Integral
Valve Seat Style	Integral
Auto Ball Check	Automatic Ball Check Provided, T304 SS

**All Parts Conform to
NACE MR-01-75**

	English	Metric
O.A. Length (Full Open), inches (mm)	8.250	210
Dimension 'A' inches (mm)	1.25	32
Offset (not pictured) inches (mm)	0.75	19
Pressure Rating psi (kg/cm ²) @ 100 F	3000	211
Pressure Rating psi (kg/cm ²) @ 500 F	1500	105

**Not for Steam Service over 400 psi
Saturated or 450 deg F Superheated.**

Recommended Spares (Per Set)	Part Number	Qty
Teflon Packing (service limit 500°F)	4417121	2
Optional Spare Parts		
3/4" NPTM Floating Tailpiece	4419055	2
Union Tailpiece Nut	4420055	2
Valve Seat	n/a	n/a

Qty: _____ (valves sold in sets of 2) sets: _____

Customer: _____

Customer's P.O.: _____

Inferno Job No: _____

Certified By: _____

Date: _____

