



COUNTY OF UNION
BID SUBMISSION CHECKLIST

AIR CYLINDER RECHARGING STATION
BA 37-2015

- _____ 1. Bid Form Page(s)
- _____ 2. Bidder Signature Page – *follow instructions and fill out completely*
- _____ 3. Stockholder Disclosure Certification (2 pages) – *fill out completely and notarize*
- _____ 4. Non-Collusion Affidavit – *fill out completely and notarize*
- _____ 5. Affirmative Action Requirement
- _____ 6. Americans with Disabilities Form
- _____ 7. Disclosure of Investment Activities in Iran
- _____ 8. Copy of a State of New Jersey **Business Registration Certificate (“BRC”)** issued in the company name of the bidder and in the names of any subcontractors, if applicable
- _____ 9. Compliance pages (pg. 10-25)
- _____ 10. Warranty
- _____ 11. Training
- _____ 12. Literature
- _____ 13. Addenda Receipt Form – ONLY INCLUDE IF ADDENDA(S) WERE RECEIVED

Each bidder should complete this form, **initial** each entry in **PEN INK**, sign and date at the bottom and submit with bid.

NAME OF BIDDER: _____ DATE: _____

COUNTY OF UNION

Invitation to Bid

SEALED BIDS will be received by the Director of the Division of Purchasing of the County of Union, New Jersey or his designee on **August 11, 2015**, at **2:30 p.m.** prevailing time in the **3rd Floor Conference Room**, U.C. Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey for:

AIR CYLINDER RECHARGING STATION BA# 37-2015

in accordance with the specifications and forms of the bid packages furnished by the Division of Purchasing. The County reserves the right to reject any and all bids and to waive any and all informalities in the bid.

Bids shall be submitted in a sealed envelope and clearly marked with the subject of the bid, name and address of the bidder, phone & fax number, and date of the bid opening. Each bid must be delivered to reach the Division of Purchasing prior to the stated time of the opening of the bids. The County will not be responsible for late delivery by the U.S. Mail or any other carrier. If hand delivered, please note that parking and security access at the County Complex may cause delays and bidders should take them into consideration in order to submit a timely bid. **No** late bids will be accepted.

Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et. seq. and N.J.A.C. 17:27.

Bid packages may be obtained by registering and downloading at <http://ucnj.org/bid-specs> or in person from the Division of Purchasing (3rd floor), Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey or via U.S. Mail per request. Fax requests for bid packages to 908-558-2548 or call 908-527-4130.

Michael M. Yuska-Q.P.A, Director of Purchasing.

**UNION COUNTY BOARD
OF CHOSEN FREEHOLDERS**

We're Connected to You!

GENERAL SPECIFICATIONS

Revised 10/6/14
Commodities

1. RECEIPT OF BIDS

The Division of Purchasing will receive sealed bids for this work at the Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey on the date and time and in the room noted on the sheet marked "Notice to Bidders".

Bids for this work should be enclosed in a sealed envelope addressed to the Purchasing Division, County of Union, New Jersey, Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey 07207, with the full name of the bid and the bid opening date and time clearly marked on the outside. Any outer shipping container must be marked in the same way. Refer to the sheet marked "Notice to Bidders" for the correct name of the bid and the bid opening date.

The County will not assume responsibility for bids forwarded by U.S. mail or any other delivery service. It is the bidder's responsibility to see that the bids are presented to the Purchasing Division at the time and place designated. Under no circumstances will a bid be accepted after the time designated for the bid opening.

All Bid Form pages are to be filled out with a typewriter or pen and ink. The bidder in ink must initial erasures or alterations. Bid prices will be accepted only on the Bidding Sheet supplied. Unit prices and totals must be inserted in the space provided. In the event of a discrepancy between the unit price given and the extended total, the unit price shall govern.

All delivery costs (FOB: Union County Ship To Address) shall be included in the total bid prices, unless the bid specifications specifically state otherwise.

Alternate bids will not be accepted unless specifically requested.

N.J.S.A. 54:32B-1 et seq. exempts all materials sold to the County of Union from sales or use taxes and these should not be included in the prices provided on the Bidding Sheet.

The Bidder's Signature Page, Non-Collusion Affidavit, and Bidder's Disclosure Statement must be completely filled out and submitted in the sealed bid. If specified, Equipment Statement, Experience Statement, Bid Bond, Consent of Surety, N.J. Public Works Contractor's Registration Certificate, a State of New Jersey Department of the Treasury Business Registration Certificate and List of Subcontractors must also be included in the sealed bid. Refer to the Bid Document Submission Checklist for all required documents.

Bidders shall be required to furnish their literature and or samples where feasible and specifications of the items proposed to be supplied along with the sealed bid.

2. BID AND PERFORMANCE GUARANTEE

If specified, each bidder must furnish a guarantee in the form of a Bid Bond, Certified Check or Bank Cashier's Check in the required amount as specified on the Bid Document Submission Checklist page. Checks shall be drawn to the order of the County of Union, New Jersey.

If specified, each bidder must furnish with the bid, the Consent of Surety form signed by a Surety Company stating that if the bid is accepted the Surety Company which provides the Consent shall be required to furnish a Performance Bond in the amount as specified on the Bid Document Submission Checklist page. Such Surety Company will provide the Contractor with Bonds guaranteeing the faithful performance of the work in accordance with the specifications, and the payment for labor, materials, and all other indebtedness which may accrue on the account of this work. The Performance Bond will be required at the time of the signing of the Contract and will be written by a firm authorized to issue the bonds under the laws of the State of New Jersey and be in a form acceptable to the County Counsel. The County of Union has provided its Consent of Surety form for your use. The use of this form by your Surety Company will expedite the bid review process and eliminate the possibility of having your bid rejected. If, however, you should need to use another form, please use language similar to that used on the Union County form and avoid making any additions or deletions to the Union County form language. The Performance Bond will have a term equal to the entire contract period. In lieu of the Consent of Surety, the Bidder **MAY** submit a Certified Check for the required amount

The County will return all bid guarantees after the bids have been opened, read, tabulated and checked except those of the three (3) bidders whose bids are considered the lowest, responsible, responsive bids. The bid guarantees of the low three (3) bidders will be returned within ten (10) days of the date of the award of the contract.

If the successful bidder refuses or neglects to sign the said Agreement and/or fails to furnish the required performance bond, the Surety of such bidder will be held and used by the County as liquidated damages for such refusal or neglect.

3. QUALIFICATION OF BIDDERS

The County of Union **MAY** make such investigation, as it deems necessary to determine the ability of bidder to perform the work. The County of Union reserves the right to reject any bid if investigation of such bidder fails to satisfy the County of Union that such bidder is properly qualified to carry out obligations of Contract, and to complete work contemplated therein.

Bidders are required to submit the names and addresses of the officers or principals of the Corporation, firm or partnership submitting a proposal or bid. Failure to comply will result in the rejection of such bid as non-responsive.

The County of Union has the right to reject any and all bids from any bidder that is in, or contemplates bankruptcy of any chapter or nature. Said bidder shall notify the County, in writing, of any condition or knowledge of the same.

4. RESERVATIONS

The County reserves the right to reject any or all bids and also reserves the right to waive any non-material defects in the bids received. The contractor shall not assign, transfer, convey, sublet or otherwise dispose of the contract or any part thereof to anyone without the written consent of the County of Union, New Jersey.

5. AWARD AND EXECUTION OF CONTRACTS

The County of Union, in accordance with N.J.S.A. 40A:11-24, shall award the contract or reject all bids within 60 days; except that the bids of any bidders who consent thereto **MAY**, at the request of the County be held for consideration for such longer periods as may be agreed.

When two or more low bids are equal in all respects, awards will be made according to the provisions of N.J.S.A 40A:11-6.1(d).

6. BRAND NAMES

Whenever an item specified by manufacturer's model number, brand or trade name, it is understood that such description is only for the purpose of defining the level of quality desired, and does not in any way restrict bidding to the named brand. Bids on other brands **MAY** be submitted by any responsible supplier, provided such brands are equal to or better than the one named in the specifications. However, the burden of proof as to the comparative quality and suitability of alternate or substitute equipment, articles or materials lies with bidder and, he shall furnish, at his own expense, all information necessary or related thereto as required by the County of Union. The County of Union shall be the sole judge as to the comparative quality and suitability of alternate or substitute equipment, articles or materials, and the decision shall be final.

The trade name(s) or brand name(s) offered must be shown on the vendor's response bid form pages.

7. PATENT CLAIMS

The successful bidder (contractor) shall protect and save the County harmless from all and every demand for damages, royalties, or fees on any patented invention used by it in connection with the supplies furnished under this contract hereunder, and it shall be the duty of the contractor, if so demanded by the County, to furnish said County with a proper legal release or indemnity from and against all such claims and any and all payments due under such contract are furnished if the County so elects.

8. PREFERENCE FOR DOMESTIC PRODUCTS

Each local unit shall provide, in the specifications for all contracts for county or municipal work or for work for which it will pay any part of the cost, or work which by contract or ordinance it will ultimately own and maintain, that only manufactured and farm products of the United States, wherever available, be used in such work.

9. INSURANCE REQUIREMENTS

Vendor shall procure and maintain at all times while the contract is in full force and effect, the following insurance coverage with an insurance company or companies acceptable to the County, with limits not less than those shown below. A Certificate of Insurance shall be filed with the County prior to commencement of the work reflecting the following:

- a) **Commercial General Liability (CGL):** Coverage for all operations including, but not limited to, contractual, products and completed operations, and personal injury with limits no less than \$1,000,000 per occurrence/\$2,000,000 aggregate. The County of Union, its Board of Chosen Freeholders, officers, employees, agents, servants and the State of New Jersey; are included as Additional Insured. The General Liability Insurance coverage is provided on a primary and non-contributory basis to the County of Union, et al.
- b) **Automobile Liability:** Coverage for all owned, non-owned and hired vehicles with limits not less than \$1,000,000 per occurrence, combined single limits (CSL) or its equivalent.
- c) **Workers Compensation:** As required by the State of New Jersey and Employers Liability with limits not less than \$1,000,000 per accident for bodily injury or disease.

Where applicable, a waiver of subrogation in favor of the County of Union, its Board of Chosen Freeholders, officers, employees, agents, servants is to be included in those policies of insurance where permitted by law.

Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Entity.

***Special Risks or Circumstances:** The County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

10. INDEMNIFICATION REQUIREMENTS

The Supplier shall indemnify and hold harmless the County and its agents and employees from and against all claims, damages, losses and expenses, including attorney's fees, arising out of or resulting from the performance of the contract which is attributable to personal injury, including bodily injury, property damage and the loss of use resulting there from, or the loss of use of tangible property, which has not been physically injured or destroyed, and is caused in whole or in part by an act or omission of the Supplier, any subcontractor of the supplier, any one directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

11. NON-DISCRIMINATION

The parties to this contract do hereby agree to comply with the provisions of N.J.S.A. 10:2-1 through 10:2-4, N.J.S.A. 10:5-31 through 10:5-38 et seq. (P.L. 1975, c. 127), dealing with discrimination in employment on public contracts and the rules and regulations promulgated pursuant thereunto are hereby made a part of this contract and are binding on them. The bidder agrees that it will not discriminate against any employee who is employed in the work to be covered by any contract resulting from this bid because of color, race, creed, religion, national origin or ancestry.

12. AMERICANS WITH DISABILITIES ACT OF 1990

Discrimination on the basis of disability in contracting for the delivery of services is prohibited. Respondents are required to read the Americans with Disabilities language that is part of the documents attached hereto and agree that the provisions of Title II of the Act are made part of the contract. The contractor is obligated to comply with the Act and hold the owner harmless.

13. INVESTMENT ACTIVITIES WITH IRAN

Pursuant to P.L. 2012, c.25, codified as NJSA 52:32-55 *et seq.*, prohibits State and local public contracts with persons or entities engaging in certain investment activities in energy or finance sectors of Iran.

14. AFFIRMATIVE ACTION REQUIREMENT

REQUIRED AFFIRMATIVE ACTION EVIDENCE – General Requirements of P.L. 1975, c. 127. You are hereby put on notice that:

- A. Procurement, Professional & Service Contracts; all successful vendors must submit within seven (7) days of the notice of intent to award or the signing of the contract one of the following:
 - 1. A photocopy of your Federal Letter of Affirmative Action Plan Approval.
 - 2. A photocopy of your Certificate of Employee Information Report.
 - 3. A completed Affirmative Action Employee Information Report (AA302).

If the successful vendor does not submit the affirmative action document within the seven (7) days, the County of Union will declare the vendor as being non-responsive and award the contract to the next lowest bidder.

15. TERMINATION OF CONTRACT

If, through any cause, the successful Supplier fails to fulfill in timely and proper manner its contractual obligations, or if the Supplier violates any of the warranties or stipulations of its contract, the County will thereupon have the right to terminate such contract by giving ten days written notice to the Supplier of such termination and cause therefore, and specifying the effective date of such termination.

In addition, Union County may terminate the Contract without cause by first giving thirty (30) days prior written notice of its intent to do so. Notice hereunder shall be deemed to have been sufficiently given if given in person to the Supplier, or sent by registered mail at the addresses specified in the Contract.

16. RIGHT TO KNOW ACT

The provisions of N.J.S.A. 34:5A-1 *et seq.* and N.J.A.C 5:89-5 *et seq.*, which require the labeling of all containers of hazardous substances are applicable to this contract. Therefore, all goods offered for purchase to the County or used by a contractor in the course of any construction, maintenance, repair or performance of a concession must be labeled and stored by the contractor in compliance with the provisions of the Act. Containers that the law and rules require to be labeled shall show the Chemical Abstracts Service number of all the components and the chemical name. Further, all applicable Material Safety Data Sheets (MSDS) aka hazardous substance fact Sheet, must be furnished.

EXHIBIT A

MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE
N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)
N.J.A.C. 17:27

GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval

Certificate of Employee Information Report

Employee Information Report Form AA302 (electronically provided by the Division and distributed to the public agency through the Division's website at www.state.nj.us/treasury/contract_compliance)

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Public Contracts Equal Employment Opportunity Compliance as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at N.J.A.C. 17:27.**

BUSINESS REGISTRATION CERTIFICATE

New Mandatory Requirement – Effective 1/18/2010

The recently enacted P.L. 2009, c.315, requires that effective January 18, 2010; a contracting agency must receive proof of the Proposer's business registration prior to the award of a contract. However, the proof must show that the Proposer was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of CCPs.

If subcontractors are named on the CCP, proof of the business registration for each must be provided prior to the award of a contract. Similarly to the Proposer, the proof must show that each subcontractor was registered with the State of New Jersey Department of the treasury, Division of Revenue and obtained the business registration prior to the receipt of CCPs.

Proof of business registration shall be:

- A copy of a Business Registration Certificate issued by the Department of the Treasury, Division of Revenue; or
- A copy of the web printed version provided by the NJ Division of Revenue

Register online at www.nj.gov/treasury/revenue/busregcert.shtml. Click the "online" link and then select "Register for Tax and Employer Purposes or call the Division at 609-292-1730.

Note: A N.J. Certificate of Authority is not acceptable.

FAILURE to submit proof of registration of the Proposer or any subcontractor named on the CCP is considered a **MANDATORY REJECTION** of CCPs (A **NON-WAIVABLE DEFECT**). This covers construction work as well as non-construction CCPs.

IN ADDITION:

The contractor shall provide written notice to all **subcontractors and suppliers** not specifically named on the CCP of the responsibility to submit proof of business registration to the contractor. The requirement of proof of business registration extends down through all levels (tiers) of the project.

Before final payment on the contract is made by the contracting agency, the contractor shall submit an accurate list and the proof of business registration of each subcontractor or supplier used in the fulfillment of the contract, or shall attest that no subcontractors were used.

For the term of the contract, the contractor and each of its affiliates and a subcontractor and each of its affiliates [N.J.S.A. 52:32-44(g)(3)] shall collect and remit to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act on all sales of tangible personal property delivered into this State, regardless of whether the tangible personal property is intended for a contract with a contracting agency.

A business organization that fails to provide a copy of a business registration as required pursuant to section 1 of P.L.2001,c.134 (C.52:32-44 et al.) or subsection e. or f. of section 92 of P.L.1977,c.110 (C.5:12-92), or that provides false business registration information under the requirements of either of those sections, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency.

(3/27/12)

SPECIFICATIONS

INTENT: It is the intent of this specification to provide for the purchase, delivery, training, and installations of an **Air Cylinder Recharging Station**. The COUNTY OF UNION has evaluated different types of the specified equipment and has determined that the BAUER MODEL UNIII/25H-E3 UNICUS III with any and all specified accessories and features is best suited for the county's needs in safety, quality, performance, and long term operational costs. Further, due to budgetary issues, the County will also be asking for a price on an option for the station that may or may not be included in the final award the sole discretion of the County. This specification is not to be interpreted as restrictive, but rather as a measure of the safety, quality and performance against which all bids will be compared. The COUNTY OF UNION reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. A contract will be awarded to bidder submitting the lowest responsible and responsive bid meeting the requirements of this specification pursuant to N.J.S.A. 40A:11-13.

EQUIVALENT PRODUCT: Bids will be accepted for consideration on any make or model that is equal to or superior to brand and model specified. Decisions of equivalency will be at the sole interpretation of the COUNTY OF UNION. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit should be submitted with the proposal. All modifications made to the standard production unit, as described in the manufacturer's brochures, are to be certified by the manufacturer to have been in prior successful use, including references of users, and submitted with the bid, or the bid will be deemed "non-responsive" and rejected without further review. Bidder must be prepared to demonstrate a unit similar to the one proposed, post bid.

STANDARD: The specification herein states the minimum requirements of the County. Unauthorized conditions, limitations, or provisions will be cause for rejection. The COUNTY OF UNION may consider as "irregular" or "non-responsive" and reject any bid not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable the County to make a reasonable determination of compliance to the specification. It will be the bidder's responsibility to carefully examine each item of the specification. Failure to offer a completed bid or failure to respond to each section of the technical specification (COMPLY: YES/NO) will cause the proposal to be rejected without review as "non-responsive". All variances, exceptions and/or deviations will be fully described in the appropriate section.

PAYMENT: Payment to Vendor is to be made within forty-five (45) days after the receipt of Vendor's invoice and a signed County voucher attesting to the delivery of the goods and services by some officer or duly designated employee of the using County entity and after approval of the appropriate Department head. The Vendor shall prepare invoices and shall submit them to the office/designated employee of the using County entity.

The vendor will not provide any goods and/or services without a valid and current purchase order from the County unit

WARRANTY: The successful bidder is to warranty the Equipment and components of proposed system as described herein for a minimum of five (5) years beginning after the acceptance by the County, including all labor, materials, travel time and freight. Manufacturer's warranty shall apply if greater. Details to be provided on the appropriate bid form page.

DELIVERY, INSTALLATION, & TRAINING: The prices on the bid form page shall include any and all delivery to Union County Fire Training Facility, 710 Lower Road, Linden, NJ. Delivery may be scheduled by contacting Christopher Scaturo, Union County Emergency Services at 908-654-9881.

The service contractor will provide installation. The County will supply any and all utility access.

The service contractor will provide onsite training for qualified staff members.

OTHER: Operator, Parts and Service Manuals must be provided by vendor. Submit copy of literature on the equipment being bid on.

Total price to include all items listed in the specifications for the station, freight, preparation, installation, delivery and training.

SPECIFICATIONS:

AIR CYLINDER RECHARGING STATION

Specification for **ONE (1)** breathing air station to refill self-contained breathing apparatus (SCBA) cylinders with purified air that meets or exceeds the requirements of CGA Pamphlet G-7, Compressed Air for Human Respiration, the requirements of ANSI/CGA G-7.1, Commodity Specification for Air, Grade E, and all other recognized standards for respirable air. The breathing air station shall be comprised, in part, of a high pressure compressor and purification system, storage system, cascade fill control panel and containment fill station. The station shall be designed for a maximum working pressure of 6,000 PSIG. All equipment shall be new and of current design and manufacture. Used or refurbished equipment is unacceptable. Specifications are subject to change without notice.

BAUER MODEL - UNIII/25H-E3 - UNICUS III - 6000 PSI SERVICE

The breathing air station shall be supplied on a steel base frame of welded construction. The one piece frame shall be designed for both the static and dynamic loads of the system and of sufficient size to adequately accommodate all of the station's components. The compressor, purification system, fill station and all tubing shall be incorporated into an appliance-like enclosure complete with sound attenuation. The enclosure panels shall be equipped with a slam- action latches and lift-off hinges making it simple to facilitate inspection and maintenance. The UNIII enclosure and base frame shall be finished with a baked on polyester powder coat paint for the ultimate in durability, corrosion resistance, and long life. Units that require multiple components that are assembled to form a complete operational system are not acceptable.

The station shall be designed for against-the-wall installation, operation and maintenance and single-point operator control from the front of the station. The design of the station shall permit unrestricted cooling air flow to the compressor and motor when installed against a wall. All system instrumentation, controls and access to the containment fill station shall be located at the front of the station. The depth of the fill station portion of the Unicus III is adjustable thereby allowing the Unicus III to fit through a standard 36" doorway. The station shall be designed for continuous duty operation indoors with room temperatures ranging between 40°F and 115°F. Installation shall not require a special foundation; however, it is the responsibility of the purchaser to ensure the installation site has a solid and level foundation that can support the weight of the station, the availability of a qualified source of air for the intake of the compressor and adequate ventilation.

All piping and tubing shall be properly supported and protected to prevent damage from vibration during shipment, operation, or maintenance. Piping and tubing shall be installed in a neat and orderly arrangement, adapting to the contours of the station. All instrument tubing shall be 300 series stainless steel. The station shall be warranted free from defects in material and workmanship for a period of eighteen months from date of shipment or twelve months from date of start-up, whichever expires first. The warranty shall not impose limitations on the station's accumulated operating hours during the warranty period.

Performance Table

Model	³ FAD SCFM	Charging Rate ⁴ SCFM	HP	Maximum allowable RPM	Compressor Model	Purification System	Air Processing Capability ⁵ (cu ft)
UNIII/25H-E3	21.0	25.2	20.0	1300	K18.1 II	P5 Securus	150,000

Table 2

Model	From 4 ASME	
	2216 PSI 45 cu ft	4500 PSI 45 cu ft
UNIII/25H-E3	81	60

The number of SCBA fills in 1st hour is calculated by using the following formula:

$$\frac{\text{FAD} \times 60 \text{ min/hr}}{(\text{SCBA volume at fill pressure}) - (\text{SCBA volume at 500 PSIG})} + \text{SCBA fills from storage}^6$$

³ Based on standard inlet conditions.

⁴ Based on recharging an 80 cu ft cylinder from 500 to 3000 PSIG.

⁵ Based on an inlet temperature of 67°F.

⁶ Reference the Bauer Fillagraph for number of fills from storage.

EXACT COMPLIANCE: YES NO*

*DEVIATION: _____

NAME OF BIDDER: _____

Compressor

The compressor shall be an air-cooled, oil lubricated, five stage, four cylinder, single acting, reciprocating compressor. The crankcase shall be cast of a high strength, aluminum alloy. The crankshaft shall be of a single piece forged steel construction, and supported in the crankcase by three long-life roller bearings. The connecting rods shall be of single piece design and constructed of a high strength aluminum alloy. Each connecting rod shall incorporate a roller bearing at the crank end and needle bearing at the pin end. The pistons shall be constructed of an aluminum alloy. Piston rings on the first through fourth stage are of cast iron; fifth / final stage rings shall be of a high strength polymide. The final stage shall incorporate a ringed, free- floating, aluminum piston, which is driven by a guide piston and the previous stage's discharge pressure. The cylinders shall be of cast iron construction with deep cooling fins on the external surface for optimum heat dissipation. The cylinders shall be arranged in a dynamically balanced, diametrically opposed "X" configuration with each cylinder located directly in the cooling fan's blast. The cylinders shall be removable from the crankcase. The compressor's flywheel shall be of cast iron construction. A multi-wing, high velocity cooling fan shall be integral to the flywheel. The fan wings shall be replaceable. Systems that do not offer a five stage, four cylinder single acting compressor are not acceptable as they have a higher cost of maintenance over the life of the system and are deemed less reliable.

An intercooler shall be provided after each stage of compression and an aftercooler shall be provided after the final stage of compression. The coolers shall be individually detachable from the compressor, located directly in the cooling fan's blast and made of a stainless steel. The aftercooler shall be designed to cool the discharge air to within 18°F of ambient temperature. A cool-down cycle shall not be required prior to stopping the compressor. Units that require an additional cooling system that includes an integral, top discharge extractor to completely vent the resulting hot air from the compression process out of the cabinet are not acceptable

A separator shall be supplied after the second and third stages of compression, and after the fourth stage on five stage compressors, and a coalescing separator shall be supplied at the discharge of the compressor. An automatic condensate drain (A.C.D.) system shall be supplied for all of the separators. The drain solenoid shall be controlled by the PLC and factory preset to drain the separators approximately every fifteen minutes for approximately six seconds. The A.C.D. system shall unload the compressor on shutdown for unloaded restart. An exhaust muffler and condensate reservoir shall be supplied. The condensate reservoir shall have a high liquid level indication system to provide system shutdown and to alert the operator that the condensate reservoir is at capacity. The operator shall be alerted that the reservoir is at capacity via an audible alarm and a scrolling text display message on the panel mounted operator / compressor interface. Manually operated valves shall be supplied to override the automatic operation of the A.C.D. system for test and maintenance purposes. Units that require a cool down cycle prior to allow the compressor to run unloaded (with opened drains) for a timed period in order to purge all cylinders, separators and crankcase are not acceptable.

The compressor shall be lubricated by a combination splash /mist and low pressure lubrication system. The final stage of compression shall be lubricated by a pressurized lubrication circuit. The other stages and the driving gear shall be splash lubricated. The low-pressure lubrication circuit shall include a positive displacement oil pump, gear driven by the crankshaft, a non- adjustable oil pressure regulator, and a full-flow oil filter with replaceable element. A highly visible sight glass shall be included to check the oil level. The oil drain for the compressor shall be easily accessible to the technician.

NAME OF BIDDER: _____

The compressor shall be equipped with an inlet filter with replaceable particulate element.

EXACT COMPLIANCE: ___ YES ___ NO*

*DEVIATION: _____

Prime Mover and V-Belt Drive

The three phase electric motor shall be of the open drip-proof (ODP) design. The motor voltage and frequency shall be specified by the purchaser. The compressor and motor shall be mounted on a common base that is vibration isolated from the station's main frame. The compressor and motor shall be arranged in a vertical design. Power from the motor shall be transmitted to the compressor by a v-belt drive. The v-belt drive shall be designed to tension the drive belts automatically. Rotation arrows shall be affixed in a conspicuous place on the compressor.

EXACT COMPLIANCE: ___ YES ___ NO*

*DEVIATION: _____

NAME OF BIDDER: _____

Electrical Control & Instrumentation

The compressor control panel (CCP) shall include an across-the-line magnetic motor starter, fused transformer and PLC controller. The CCP shall be built in accordance with UL 508A, the standard for Industrial Control Panels and shall be affixed with a UL label.

The PLC compressor control system consists of a programmable logic controller for the monitoring, protection and control of the compressor systems.

Standard features of the CCP include:

- A NEMA type 4 electrical enclosure
- UL electrical panel
- Human Machine Interface (HMI) with **Multi-Color Touch Screen Display** incorporating vivid TFT (Thin Film Transistor) Technology and NOT limited by touch cells (Optional mounting configurations available-up to 25 ft remote)
- Emergency Stop Palm Button
- Home screen customizable with distributor contact information
- Real Time Clock (time and date)
- Compressor on / off
- Digital Display of Compressor Final Pressure
- Digital Display of Compressor Oil Pressure
- Digital Display of current Compressor Run Time
- Digital Display of Final Separator Cycle Count
- Compressor High Temperature Shutdown and Alarm
- Full support of the Automatic Condensate Drain system (interval and duration set points adjustable thru the HMI - password protected)
- Digital Display of time to next ACD Cycle
- Condensate Drain Reservoir full alarm
- Full support of CO monitor alarm functions (optional)
- Full support of SECURUS purification system moisture monitor warning and alarm functions
- Built in overtime timer set at 5 hours - optional times available
- Maintenance Timer (selectable between real time or compressor run time) to give Digital Display of all needed Preventative Maintenance Evolutions
- Motor overload alarm
- Nonresettable hourmeter
- Recoverable Run History (last 5 run periods)
- Recoverable Alarm History (last 5 fault shutdowns)
- Support of up to 5 Languages (to be specified at time of order; includes English, French, Spanish & Portuguese)
- Operator choice of display in BAR or PSI For ease of Maintenance and Repair:
- PLC has removable Terminal Blocks for all functions
- Diagnostic EEPROM (Electrically Erasable Programmable Read-Only Memory) Capability
- Support of Two (2) Communication Protocols (optional)
 - o Ethernet Connection
 - o Analog Phone Modem

NAME OF BIDDER: _____

- Wiring shall be encapsulated within a split corrugated type loom. Each wire end connection shall be machine crimped and numbered.

The HMI shall have 22 adjustable system parameters secured by password protection. The HMI will provide display of all safety / fault shutdowns with a text read-out of up to three potential causes for the fault / shutdown.

The compressor oil pressure shall be monitored by a pressure transmitter and digitally displayed on HMI. The compressor shall shut down and a fault will be indicated on the HMI should the compressor's oil pressure drop below the factory preset value during operation. The oil pressure transmitter shall be by-passed during start-up to permit the oil pump to achieve the normal operating pressure.

The low oil pressure and final air pressure transmitters shall be equipped with sealed electrical connectors. The analog pressure sensors for oil pressure and final pressure shall have adjustable set point and dead-band thru the HMI (password protected).

A temperature switch shall be supplied on the head of the final stage of compression. The compressor shall shutdown and a fault will be indicated on the HMI should the final stage temperature exceed the tamper-proof set point during operation.

Fault shut downs shall not affect the ability to fill SCBA cylinders from the storage system as long as there is sufficient pressure in the storage to fill them.

EXACT COMPLIANCE: YES NO*

*DEVIATION: _____

NAME OF BIDDER: _____

Purification System

The two cartridge purification system shall purify high pressure air to a quality that meets or exceeds the requirements of CGA Pamphlet G-7, Compressed Air for Human Respiration, ANSI/CGA G-7.1, Commodity Specification for Air, Grade E, and all other recognized standards for breathing air. Purification shall be achieved by mechanical separation of condensed oil and water droplets, adsorption of vaporous water by a desiccant, adsorption of oil vapor and elimination of noxious odors by activated carbon and conversion of carbon monoxide to respirable levels of carbon dioxide by catalyst. This system is rated for 150,000 cubic feet of air to Grade "E" Standard.

The high pressure purification chambers shall have a working pressure of 6000 PSIG. The purification system shall utilize replaceable cartridges. The purification system shall be designed so that the replacement of the cartridges can be accomplished without disconnecting system piping. The design of the chambers shall preclude the possibility of operating the system without cartridges installed or with improperly installed cartridges. A bleed valve shall be provided to vent the purification system to facilitate replacing the cartridges. A pressure maintaining valve and a check valve shall be supplied downstream of the purification system to increase the efficiency of the purification system by maintaining a positive back pressure. A check valve shall be supplied between the coalescing separator on the compressor's discharge line and the purification system to maintain the positive pressure in the purification system when the compressor shuts down.

The purification system shall include Bauer's patented Securus Electronic Moisture Monitor System⁷. A sensor shall be located in the Securus purifier cartridge for direct monitoring of moisture levels. The touch Screen Display shall indicate the status of the Securus cartridge. The Securus system shall warn the operator, in advance, of the impending expiration of the Securus cartridge via a scrolling text display message on the panel mounted operator / compressor interface. The compressor shall shut down automatically and the operator notified via audible alarm and scrolling text display message on the panel mounted operator / compressor interface should the operator fail to change the Securus cartridge within the warning period. The compressor shall not be capable of restarting until the used cartridge(s) are replaced with new ones⁸. The moisture monitoring system shall be of a fail-safe design. Should the electrical contact between the display module and sensor be disconnected, an immediate fault shut down shall be effected. For absolute safety and highest quality breathing air, no manual override shall be supplied for the moisture monitor.

⁷ U. S. Patent Number 4,828,589

⁸ Replace all cartridges at the same time.

EXACT COMPLIANCE: YES NO*

*DEVIATION: _____

NAME OF BIDDER: _____

Cascade Fill Control / Instrument Panel

A steel instrument panel affixed with a non-glare Lexan overlay shall be installed on the front of the station. The overlay shall contain an embedded airflow schematic. The cascade fill control / instrument panel shall be hinged for easy maintenance and accessibility.

The cascade control panel shall be factory piped for four storage banks and designed to fill three SCBA cylinders either independently or simultaneously. The control panel shall include, at a minimum, a manual control valve and pressure gauge for each storage bank, an adjustable regulator for SCBA cylinder fill pressure complete with a pressure gauge for inlet and regulated pressure and a relief valve to protect the SCBA cylinders from overfilling, a manual control valve and pressure gauge for each fill position, a manual direction valve to allow the operator to select SCBA filling from either air storage or the compressor, provisions for factory or field modification to allow a different fill pressure at each fill position. The cascade system shall allow the simultaneous tasks of filling one storage bank while drawing down another during the SCBA fill process. Strategically placed tees and check valves preclude the need for individual "To" and "From" valves. Systems requiring individual "To" and "From" valves shall not be deemed acceptable, as they require more efforts to operate.

All control panel mounted pressure gauges shall have a 2 1/2" diameter and be liquid filled. A fluorescent light shall be factory installed above the panel to provide a glare-free illumination of the control panel. An on/off switch shall be integrated into the operator / compressor interface for the light.

EXACT COMPLIANCE: YES NO*

*DEVIATION: _____

Air Storage

The air storage system shall include four receivers fabricated, tested and stamped in accordance to Section VIII of the ASME Boiler and Pressure Vessel Code. The receivers shall have a 3:1 safety factor at 6000 PSIG (7000 PSIG MAWP at 200°F).⁹ Each receiver shall have a capacity of 491 cu ft at 6000 PSIG¹⁰. The receivers shall be mounted in a vertical configuration in a rack that is integral to the breathing air station's frame. The rack shall be designed to accommodate four identical receivers. The receivers shall be installed in accordance with 29 CFR 1910.169. The rack shall be designed to support the receivers in a secure manner and permit visual inspection of the receivers' external surface. Each receiver shall be supplied with a manual drain valve, an isolation valve and safety relief valve. For ease of maintenance and periodic inspection all the drain valves shall be piped to one convenient location within the Unicus III enclosure. Each receiver, or bank of receivers if additional storage is required, shall be piped to the cascade fill control panel to facilitate cascade filling.

NAME OF BIDDER: _____

⁹ DOT storage systems available.

¹⁰ Capacity referenced to 70°F.

EXACT COMPLIANCE: ___ YES ___ NO*

*DEVIATION: _____

Containment Fill Station

The front-loading, three position; 5.5 SCBA certified containment fill station shall totally enclose the SCBA or SCUBA¹¹ cylinders during the refilling process. The third party certification for the fill station must be included within the proposal and include test data to verify the performance.

The fill station’s outer enclosure and door assemblies shall be constructed of formed ¼ inch thick plate steel. Venting shall be provided in the bottom of the fill station to allow the rapidly expanding air from a ruptured cylinder to escape from the fill station. The fill station shall be ergonomically designed for maximum operator convenience and safety for refilling cylinders. The fill station door and cylinder holder assembly shall tilt out towards the operator 45 degrees, providing unobstructed access to the cylinder holder to load and unload the cylinders. A chrome plated handle and heavy-duty gas spring shall be incorporated into the design of the fill station to assist the operator in opening and closing the fill station door. It shall take no more than approximately eighteen pounds of force to open or close the fill station door thereby eliminating operator fatigue.

Each cylinder holder shall be lined to prevent scuffing the outer surface of the SCBA cylinders. For complete operator protection, the fill station shall include a safety interlock system that will prevent refilling SCBA cylinders unless the fill station door is closed and secured in the locked position. The automatic interlock will require no actuation of secondary latching mechanism on the outside of the fill station.

Three fill hoses shall be located within the fill station. Each fill hose shall be equipped with a bleed valve and SCBA fill adapter of choice. Fill hose retainers shall be provided to anchor the fill hoses when not in use.

Fill stations that function by having the cylinders not in a protective cradle are not allowed as they do not protect the operator in the event that the cylinder should be dropped while making the fill connection to the cylinder valve. Fill stations that operate in a stacked side by side configuration and require the operator to utilize additional controls shall not be deemed acceptable, as they require more effort to operate. Fill stations that do not meet the 5.5 requirement with third party certification are not acceptable.

NAME OF BIDDER: _____

Unit is designed to accommodate and operate an independent front-loading, three position; 5.5 SCBA certified containment fill station shall totally enclose the SCBA or SCUBA¹² cylinders during the refilling process. By having this feature, the operator can simultaneously fill up to six SCBA or SCUBA cylinders. The third party certification for the fill station must be included within the proposal and include test data to verify the performance.

¹¹ SCUBAs up to 31" maximum overall length including valve, boot and fill yoke.

¹² SCUBAs up to 31" maximum overall length including valve, boot and fill yoke.

EXACT COMPLIANCE: YES NO*

*DEVIATION: _____

NAME OF BIDDER: _____

Control Panel

The fill control panel shall be installed on the front of the fill station. The control panel shall be factory piped and designed to fill three SCBA or SCUBA¹⁴ cylinders either independently or simultaneously.

The control panel shall include the following standard features:

- Inlet pressure gauge
- Adjustable pressure regulator
- Regulated pressure gauge
- Three (3) fill control valves
- Three (3) fill pressure gauges
- One (1) relief valve for regulated fill pressure
- Provisions for factory or field modification to allow a different fill pressure at each fill position

All piping and tubing shall be properly supported and protected to prevent damage from vibration during shipment, operation or maintenance. Piping and tubing shall be installed in a neat and orderly arrangement, adapting to the contours of the station. All instrument tubing shall be 300 series stainless steel. All control panel mounted pressure gauges shall be 2 1/2" diameter and be liquid filled. All panel mounted components shall be labeled with a nameplate.

¹⁴ SCUBAs up to 31" maximum overall length including valve and boot.

EXACT COMPLIANCE: YES NO*

*DEVIATION: _____

NAME OF BIDDER: _____

Testing and Preparation for Shipment

The breathing air station shall be tested by the manufacturer prior to shipment.

A manufacturer's nameplate shall be placed on the interior of the electric panel. The nameplate shall include, at a minimum, manufacturer's name, model number, serial number, compressor block number, and date of manufacture. Voltage, phase / frequency, and amperage are located on another label inside the electrical panel

The station shall be suitably prepared for motor freight transport. The station shall be bolted to a wooden pallet, wrapped in sheet plastic, and fully protected by a wooden crate. The compressor intake and similar openings shall be suitably covered. Component parts, loose parts or associated spare parts shall be packaged separately and shipped on the same pallet if feasible.

EXACT COMPLIANCE: ___ YES ___ NO*

*DEVIATION: _____

Warranty 24 Month / 60 Month Program

The compressor system and other BAUER manufactured components are warranted to be free of defects in both material and workmanship for a period of twenty four months from date of shipment from BAUER. A five year warranty will be extended to Municipal Fire Departments and Training Facility customers on the compressor block (breathing air application) only for parts with proof of proper maintenance being completed in accordance with published Bauer factory recommendations. Any manufacturer that does not offer a 5 year warranty on the equipment offered is not acceptable.

EXACT COMPLIANCE: ___ YES ___ NO*

*DEVIATION: _____

NAME OF BIDDER: _____

Documentation

Two copies of the documentation package shall be supplied with the equipment. The documentation package shall include, at a minimum, an operation manual on USB, recommended spare parts list, warranty information and a start-up/warranty registration form. Paper Manuals are not accepted.

The Operator’s Instruction and Maintenance Manual for the breathing air station shall be as detailed as possible, outlining all operation and maintenance instructions. The manual shall include detailed illustrated drawings for the compressor block and all system components along with a complete parts listing for all illustrated components. Warnings and safety precautions shall be identified clearly in the manual.

EXACT COMPLIANCE: ___ YES ___ NO*

*DEVIATION: _____

Included Accessories on Compressor

The following shall be included by the manufacturer as accessories to the breathing air station:

- Leveling feet
- Two additional ASME receivers for a total of four
- Carbon monoxide monitor with calibration kit
- SCBA Cylinder refill system to fill 2216, 3000, 4500 and 5500 PSI Cylinders
- Remote Fill with regulator, pressure gauge, line valve, and cabinet enclosed hose reel with 75 ft of high-pressure 6000 psi hose

EXACT COMPLIANCE: ___ YES ___ NO*

*DEVIATION: _____

NAME OF BIDDER: _____

Bidder Qualifications for Training, Delivery, Installation and Start-Up

Bidder must provide for onsite training of equipment. Training to be conducted by a NJDFS Certified Level 2 Instructor. (Time to be mutually agreed upon)

Bidder must offer 24 hour Emergency Service/7 Days a week

Bidder must be able to provide for emergency service within a 1.5 hour response time from time of call

Bidder must allow end user to visit place of manufacture for equipment if desired for inspection/training

Bidder must be the authorized representative of the product offered and provide support documentation from factory

Bidder must have as a minimum of five factory trained technicians to be able to meet the needs of the customer when service is necessary. Documentation to be provided on factory letterhead with point of contact for verification on request

EXACT COMPLIANCE: YES NO*

*DEVIATION: _____

*****As per County of Union Resolution 2015-601, Adopted July 15, 2015 authorizing the sale of personal property not needed for public use in accordance with N.J.S.A. 40A:11-36 (7):***

A) Trade In of existing Bauer Compressor - Mandatory

Existing Bauer UN-20 Compressor that is currently located at the Union County Fire Academy in Linden, New Jersey is to be disconnected from existing location and removed. A trade in allowance for this system is to be provided and included as part of the bid.

B) Trade In of existing Mako Compressor - Mandatory

Existing Mako BAC07H Compressor that is currently located at Union County Fire Academy in Linden, New Jersey is to be disconnected from existing location and removed. A trade in allowance for this system is to be provided and included as part of the bid.

- Bidders may schedule a site inspection of trade in compressors by contacting Christopher Scaturo, Director of Emergency Management at 908-659-9886 or email cscutaro@ucnj.org to arrange a time

NAME OF BIDDER: _____

**Optional Accessory (only to be included in award at the discretion of the County)
Bidders MUST provide a price for the option.**

Containment Fill Station – (Six SCBA/SCUBA filling capability)

The front-loading, three position; containment fill station shall totally enclose the SCBA or SCUBA¹³ cylinders during the refilling process. This is to work in conjunction with main filling station component and be provided by the same manufacturer, no exceptions will be made to this requirement.

The fill station’s outer enclosure and door assemblies shall be constructed of formed ¼ inch thick plate steel. Venting shall be provided in the bottom of the fill station to allow the rapidly expanding air from a ruptured cylinder to escape from the fill station. The fill station shall be ergonomically designed for maximum operator convenience and safety for refilling cylinders. The fill station door and cylinder holder assembly shall tilt out towards the operator 45 degrees, providing unobstructed access to the cylinder holder to load and unload the cylinders. A handle and heavy-duty gas spring shall be incorporated into the design of the fill station to assist the operator in opening and closing the fill station door. It shall take no more than approximately eighteen pounds of force to open or close the fill station door thereby eliminating operator fatigue.

Each cylinder holder shall consist of a thick walled polymer tube which will surround and cradle the SCBA cylinder during the filling process. This type design shall eliminate the need for SCBA cylinder scuff protection and will allow for concussive flexure in the event of a ruptured cylinder thus maximizing operator protection. Designs that do not cradle the cylinder or allow unsupported pressurized cylinders to hang outside the fill enclosure shall be deemed unacceptable as they expose the operator to greater risk of accidental mishandling of a pressurized cylinder during the disconnection process.

For complete operator protection, the fill station shall include a safety interlock system that will prevent refilling SCBA cylinders unless the fill station door is closed and secured in the locked position. The automatic interlock will require no actuation of secondary latching mechanism on the outside of the fill station. Three fill hoses shall be located within the fill station. Each fill hose shall be equipped with a bleed valve and SCBA fill adapter of choice. Fill hose retainers shall be provided to anchor the fill hoses when not in use.

¹³ SCUBAs up to 31” maximum overall length including valve, boot and fill yoke

EXACT COMPLIANCE: ___ YES ___ NO*

*DEVIATION: _____

NAME OF BIDDER: _____

BID FORM
Page 1 of 2

HAVING CAREFULLY READ THE NOTICE TO BIDDERS, SPECIFICATIONS AND INSTRUCTIONS TO BIDDERS, THE UNDERSIGNED HEREBY AGREES TO PROVIDE, DELIVER AND INSTALL AN AIR CYLINDER RECHARGING STATION FOR THE UNION COUNTY DIVISION OF EMERGENCY SERVICES IN ACCORDANCE TO THE SPECIFICATIONS. DO NOT ALTER THE FORMAT OF THE BID FORM PAGE IN ANY MANNER UNDER THE PENALTY OF DISQUALIFICATION.

QUANTITY

1 AIR CYLINDER RECHARGING STATION

\$ _____
UNIT PRICE

Brand and Model number _____

A) Trade In of existing Bauer Compressor – Mandatory - \$ _____
Trade In Value

B) Trade In of existing Mako Compressor – Mandatory - \$ _____
Trade In Value

\$ _____
TOTAL (Unit price less trade-ins)

NAME OF BIDDER: _____

BIDDER SIGNATURE PAGE

Rev. 9/20/05

1. If doing business under a **trade name, partnership** or a **sole proprietorship**, you must submit the bid under **exact title** of the trade name, partnership, or proprietorship, and the bid must be signed by either the **owner** or a **partner** and **witnessed** by a **notary public**.
2. If a **Corporation**, the bid must be signed by the **President** or **Vice President** and **witnessed** by **Corporate Secretary**, (Corporate title must be exact) and **affix corporate seal**.
3. Other persons **authorized** by **Corporate Resolution** to execute agreements in its behalf may also sign the bid documents (pages).
4. The Person who signs this bid form **must also sign** the **Non-Collusion Affidavit**.
5. You **cannot** witness your own signature.

NAME OF BIDDER

SIGNATURE
CORPORATE SECRETARY

ADDRESS OF BIDDER

PRINT NAME AND TITLE
CORPORATE SECRETARY

TELEPHONE: _____

FAX: _____

EMAIL: _____

BY: _____
SIGNATURE

DATE

AFFIX CORPORATE SEAL

PRINT OR TYPE NAME AND TITLE

WARNING: FAILURE TO FULLY, ACCURATELY, AND COMPLETELY SUPPLY THE INFORMATION REQUESTED ON THIS PAGE MAY RESULT IN THE REJECTION OF YOUR BID AS NON-RESPONSIVE

STOCKHOLDER DISCLOSURE CERTIFICATION

N.J.S.A. 52:25-24.2 (P.L. 1977 c. 33)

Failure of the bidder/respondent to submit the required information is cause for automatic rejection.

CHECK ONE

I certify that the list below contains the names and home addresses of all stockholders holding 10% or more of the issued and outstanding stock of the undersigned.

OR

I certify that no one stockholder owns 10% or more of the issued and outstanding stock of the undersigned.

LEGAL NAME OF BIDDER: _____

Check the box that represents the type of business organization:

Partnership

Corporation

Sole Proprietorship

Limited Partnership

Limited Liability Corporation

Limited Liability Partnership

Subchapter S Corporation

Complete if the bidder/respondent is one of the 3 types of corporations:

Date Incorporated: _____

Where Incorporated: _____

BUSINESS ADDRESS:

Street Address **City** **State** **Zip**
Code

Telephone # **Fax #**

Pursuant to N.J.S.A. 52:25-24.2, also referred to as P.L. 1977, c. 33, no corporation or partnership shall be awarded any contract for the performance of any work or the furnishing of any materials or supplies, unless, prior to the receipt of the bid or accompanying the bid of said corporation or partnership, there is submitted a statement setting forth the names and addresses of all stockholders in the corporation or partnership who own ten (10) percent or more of its stock of any class, or of all individual partners in the partnership who own a ten (10) percent or greater interest therein. Further, the Attorney General has concluded that the provisions of N.J.S.A. 52:25-24.2, in referring to corporations and partnerships, are intended to apply to all forms of corporations and partnerships, including, but not limited to, limited partnerships, limited liability corporations, limited liability partnerships, and Subchapter S corporations.

Bidders are required to disclose whether they are a partnership, corporation or sole proprietorship. The Stockholder Disclosure Certification form shall be completed, signed and notarized. Failure of the bidder to submit the required information is cause for automatic rejection of the bid.

STOCKHOLDER DISCLOSURE CERTIFICATION - (Continued)

Sign and notarize the form below, and, if necessary, complete the stockholder list below.

NAME	HOME ADDRESS	TITLE	% OF OWNERSHIP
1.			
2.			
3.			
4.			
5.			

If one or more of the owners of the Bidder is itself a corporation or partnership, then for that corporation or partnership owner you must set forth the name, home address, title and percentage of ownership of every person who is an owner of that corporation or partnership.

NAME	HOME ADDRESS	TITLE	% OF OWNERSHIP
1.			
2.			
3.			
4.			
5.			

Subscribed and sworn before me this _____ day
of _____,

_____, 2 _____.

(Notary Public)

My Commission expires:

(Affiant)

(Print name & title of affiant)

(Corporate Seal)

NON-COLLUSION AFFIDAVIT

Rev. 1/22/93

STATE OF _____

SS:

COUNTY OF _____

I _____ of the City of _____, in the County of _____ and the State of _____, of full age, being duly sworn according to law, on my oath depose and say that: I am _____ of the firm of _____, the bidder making the Proposal for the above named project, and that I executed the said Proposal with full authority to do so; that said bidder has not, directly or indirectly, entered into any agreement, participation in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named project; and that all statements contained in said Proposal and in this Affidavit are true and correct, and made with full knowledge that the COUNTY OF UNION, NEW JERSEY relies upon the truth of the statements contained in said Proposal and in the statements contained in the affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by _____ (N.J.S.A. 52:34-15).

NAME OF CONTRACTOR

Sign Name Here

(Original signature only; stamped signature not accepted)

Subscribed and sworn to before
Me this _____ day of _____, 20____.

Notary Public of the State of _____

My Commission expires _____

NOTE TO NOTARY: WHEN COMPLETING THIS JURAT, ALL NOTARIES MUST:

- 1. Indicate date. 2. Indicate State. 3. Sign name. 4. Affix name by Printing it, typing it, using a rubber stamp, using an impression seal or using a mechanical stamp.

Note: The person who signed the bid form for the bidder should sign this form also.

WARNING: IF YOU FAIL TO FULLY, ACCURATELY AND COMPLETELY FILL OUT THIS AFFIDAVIT OF NON-COLLUSION, YOUR BID WILL BE REJECTED.

AFFIRMATIVE ACTION REQUIREMENT

Rev. 6/29/93

REQUIRED AFFIRMATIVE ACTION EVIDENCE

General Requirements of P.L. 1975, c. 127: You are hereby put on notice that:

A. Procurement, Professional & Service Contracts

All successful vendors must submit within seven days of the notice of intent to award or the signing of the contract one of the following: **PLEASE CHECK ONE**

A photocopy of your Federal Letter of Affirmative Action Plan Approval

OR

A photocopy of your Certificate of Employee Information Report

OR

A completed Affirmative Action Employee Information Report (AA302)

If successful vendor does not submit the affirmative action document within the seven days the County of Union will declare the vendor as being non-responsive and award the contract to the next lowest bidder.

Print or type FIRM NAME here

Sign NAME and TITLE here
(Original signature only, stamped signature not accepted)

Print or type NAME and TITLE here

Print or type DATE

AMERICANS WITH DISABILITIES ACT

EQUAL OPPORTUNITY FOR INDIVIDUALS WITH DISABILITIES

The contractor and the County of Union (hereafter "Owner") do hereby agree that the provisions of Title II of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. S12.101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the Owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the Owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the Owner, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, any pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the Owner's grievance procedure, the contractor agrees to abide by any decision of the Owner which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the Owner, or if the Owner incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

The Owner shall, as soon as practicable after a claim has been made against it, give written notice thereof to the contractor along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the Owner or any of its agents, servants, and employees, the Owner shall expeditiously forward or have forwarded to the contractor every demand, complaint, notice, summons, pleading, or other process received by the Owner or its representatives.

It is expressly agreed and understood that any approval by the Owner of the services provided by the contractor pursuant to this contract will not relieve the contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the Owner pursuant to this paragraph.

It is further agreed and understood that the Owner assumes no obligation to indemnify or save harmless the contractor, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the Owner from taking any other actions available to it under any other provisions of this Agreement or otherwise at law.

Name _____ (Please print or type)

Signature _____ Date _____

NAME OF BIDDER: _____

COUNTY OF UNION NEW JERSEY
Division of Purchasing

DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN

Solicitation Number: _____ Bidder/Offeror: _____

Pursuant to Public law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that the person or entity, or one of the person or entity's parents, subsidiaries, or affiliates, is not identified on a list created and maintained by the Department of the Treasury as a person or entity engaging in investment activities in Iran. If the Director finds a person or entity to be in violation of the principles which are the subject of the law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the person or entity.

I certify, pursuant to Public Law 2012, c. 25, that the person or entity listed above for which I am authorized to bid/renew:

[] is not providing goods or services of \$20,000,000 or more in the energy sector of Iran, including a person or entity that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipe lines used to transport oil or liquefied natural gas, for the energy sector of Iran, AND

[] is not a financial institution that extends \$20,000,000 or more in credit to another person or entity, for 45 days or more, if that person or entity will use the credit to provide goods or services in the energy sector in Iran.

In the event that a person or entity is unable to make the above certification because it or one of its parents, subsidiaries, or affiliates has engaged in the above-referenced activities, a detailed, accurate and precise description of the activities must be provided in part 2 below to the Division of Purchase under penalty of perjury. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

PART 2: PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN. You must provide, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes below.

Name _____ Relationship to Bidder/Offeror _____

Description of Activities _____

Duration of Engagement _____ Anticipated Cessation Date _____

Bidder/Offeror Contact Name _____ Contact Phone Number _____

Certification: I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the above referenced person or entity. I acknowledge that Union County is relying on the information contained herein and hereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the County to notify the County in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement(s) with Union County, New Jersey and that the County at its option may declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print) _____ Signature _____

Title _____ Date _____

COUNTY OF UNION
ACKNOWLEDGEMENT OF RECEIPT OF ADDENDA

The undersigned Bidder hereby acknowledges receipt of the following Addenda(s):

<u>Addendum Number</u>	<u>Dated</u>	<u>Acknowledge Receipt</u> (Initial)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Acknowledged for: _____
(Name of Bidder)

By: _____
(Signature of Authorized Representative)

Name: _____
(Print or Type)

Title: _____

Date: _____

Please Do Not submit if you did not receive Addenda(s)

NAME OF BIDDER: _____

WARRANTY

Attach copy or provide a description of warranty.

NAME OF BIDDER: _____

TRAINING

Provide description of training.

NAME OF BIDDER: _____

LITERATURE

Attach any literature on equipment

NAME OF BIDDER: _____