

BIDDING DOCUMENTS
AND
PLANS AND SPECIFICATIONS

SPECIFICATION 3240-18
HVAC PACKAGED AIR CLEANING UNITS
CONTRACT NO. 3240-18

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NUCLEAR PROJECTS NO. 3 & 5
1977

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SPEC. NO. 3240 - 18		DATE
<input checked="" type="checkbox"/>	CLIENT COMMENT ISSUE	4-30-76
<input type="checkbox"/>	CLIENT CONCURRENCE ISSUE	
<input checked="" type="checkbox"/>	BID ISSUE	10-10-77

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EBASCO SERVICES INCORPORATED
 EBASCO SPECIFICATION
HVAC PACKAGED AIR CLEANING UNITS
FOR NUCLEAR POWER PLANTS

WPPSS CLASSIFICATION - QUALITY CLASS I & II
NUCLEAR SAFETY CLASS 2 & 3 AND NON-NUCLEAR SAFETY
SEISMIC CATEGORY I AND NONSEISMIC CATEGORY I

ENGINEER: EBASCO SERVICES INCORPORATED
 OWNER: WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 OPERATING COMPANY: WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 PROJECT: NUCLEAR PROJECTS NO. 3 AND 5
 LOCATION: GRAYS HARBOR COUNTY, WASHINGTON
 NOMINAL KW 1,250,000



Paul J. Estreich

PREPARED UNDER THE SUPERVISION OF

P J Estreich WASHINGTON PE LICENSE NO. 14556.
 P J ESTREICH

<u>Spec Status</u>	<u>Date</u>	<u>Prepared By:</u>	<u>Reviewed By:</u>	<u>Pages Affected</u>
Original	9/30/77	H K Patel	R Scimeca/L Ahlman	ALL
R1				
R2				
R3				
R4				

SPEC. NO. 3240-018	DATE
<input checked="" type="checkbox"/> CLIENT COMMENT ISSUE	4-30-76
<input type="checkbox"/> CLIENT CONCURRENCE ISSUE	
<input checked="" type="checkbox"/> BID ISSUE	10-10-77

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Section 2A - Technical Specifications

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<input checked="" type="checkbox"/>	BID ISSUE	10-10-77

PART I
BIDDING DOCUMENTS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NUCLEAR PROJECTS NO. 3 & 5

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5/13/77

SPEC. NO. 3240-18		DATE
<input checked="" type="checkbox"/>	CLIENT COMMENT ISSUE	6-2-77
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BD-1

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

NUCLEAR PROJECTS NO. 3 & 5

CONTRACT NO. 3240-18

NOTICE TO BIDDERS

The Washington Public Power Supply System invites bids on the following described work in support of construction of Nuclear Projects WNP-3 and 5 to be built in Grays Harbor County, State of Washington.

Contract No. 3240-18 HVAC Packaged Air Cleaning Units

Work generally consists of the engineering, design, manufacture, shop testing, preparation for shipment, delivery, and technical direction of installation of the HVAC Packaged Air Cleaning Units.

Bidding Documents and Plans and Specifications may be examined at the office of the Owner, 3000 George Washington Way, Richland, Washington, or at the WPPSS Project Office, Ebasco Services Incorporated, Two Rector Street, New York, New York 10006. Sets of Bidding Documents and Plans and Specifications can be obtained from Ebasco Services Incorporated at the above address for a plan fee (nonrefundable) of \$30.00 each.

Each bid shall be accompanied by a bid bond or certified or cashier's check as a bid deposit in an amount not less than five percent (5%) of the total amount of the bid.

All bids must be sealed and filed with Owner at 3000 George Washington Way, Richland, Washington 99352, at or before 10:00 a m local time on Nov. 16, 1977, at which time and place the bids will be publicly opened and read.

Owner reserves the right to reject any and all bids and to waive irregularities or informalities therein. Each bid shall be submitted only on the prescribed forms and bound as a complete proposal.

Washington Public Power Supply System
P O Box 968
Richland, Washington 99352

F D McELWEE
Assistant Director - Projects

BD-1

SPEC. NO. 3240-18	DATE
<input checked="" type="checkbox"/> CLIENT COMMENT ISSUE	6-2-77
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<input checked="" type="checkbox"/> BID ISSUE	10-10-77

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6-4-77

26. QUALITY ASSURANCE REQUIREMENTS

.01 Quality Assurance Requirements for WPPSS Quality Class I Equipment

- a - The Quality Assurance requirements for the Quality Class I Equipment and activities shall be in accordance with applicable portions of Ebasco Specification 860W, entitled "Contractor Quality Assurance Requirements."
- b - Contractor shall submit a controlled copy of his Quality Assurance Program to Engineer for review and comment, in accordance with the Submittal Procedures in Section 1B and the schedule in Section 2A.
- c - Prior to fabrication, Contractor shall submit detailed Quality Assurance procedures for review and comments by Engineer, in accordance with the Technical Submittal Procedure in Section 1B, and the schedule contained in this Technical Section.

The following procedures shall be among those submitted:

- i - Welding procedures
- ii - Welder and procedure qualification test reports
- iii - Nondestructive testing procedures and personnel qualifications in accordance with ASNT-TC-1A
- iv - Packaging, preservation, handling, storage and shipping procedures
- v - Shop test procedures
- d - Contractor shall also submit an inspection and test plan describing planned inspection and/or tests. The furnishing of such a plan is used for determining inspection points which Engineer will desire to witness. Engineer will advise Contractor as to inspection and test points it will witness. Contractor shall not proceed beyond these points until witnessed by Engineer. Engineer reserves the right to waive witnessing of the above.
- e - Documentation

Contractor shall submit two (2) sets of complete documentation package, one set to be sent to the site prior to shipment and the other to be enclosed with each shipment. This documentation package shall include, but not be limited to:

- i - All records, documentation, test data and certification as well as any other documents required by the specification, and applicable codes and standards together with an index of all documents submitted.
- ii - The identification of the item, nominal size and rating, tag or serial number, WPPSS contract and item number.

26. QUALITY ASSURANCE REQUIREMENTS (Cont'd)

.01 Quality Assurance Requirements for WPPSS Quality Class I Equipment (Cont'd)

e - Documentation (Cont'd)

- iii - Nonconformance reports which have been submitted to Engineer with disposition indicated.
- iv - Manufacturing certificate of conformance including original signed by an authorized representative stating that the supplied item conforms to all contractual requirements.
- v - Certificate of compliance with seismic requirements. This certification shall identify the equipment involved by serial or part number and shall reference seismic criteria.
- vi - A signed copy of the "Release for Shipment" form, with the equipment, which will be provided to the Contractor by the Engineer's Vendor Quality Assurance Representative.
- vii - Certification that Contractor has complied with Engineer approved program for compliance to IEEE 323-1974.
- viii - Documentation required by code.
- ix - All QA records shall be traceable to the equipment, commodity and hardware. An "as-built" sketch or listing of material within the item, shall be provided to permit traceability to the mill test report, shall be submitted.

f - Review Prior to Submittal

Documents and procedures submitted by Contractor shall have been reviewed and approved by the Contractor to assure conformance to the contract requirements.

- g - One set of radiographic film and corresponding interpreter information shall be submitted to Engineer's Nondestructive Examination Section (New York) for review and disposition. Upon completion of review, film will be returned to Contractor for proper storage. Radiographic films shall be approved by Engineer prior to the shipment of the equipment to the site.

.02 Quality Assurance Requirements for WPPSS Quality Class II Equipment

- a - The Quality Assurance requirements for the Quality Class II activities and equipment shall be in accordance with the Contractor's Quality Control Program.

26. QUALITY ASSURANCE REQUIREMENTS (Cont'd)

.02 Quality Assurance Requirements for WPPSS Quality Class II Equipment (Cont'd)

b - Prior to fabrication, the Contractor shall submit to the Engineer's Quality Assurance engineering, an inspection and test plan describing planned inspection and/or tests. The furnishing of such a plan is used for determining inspection points which the Engineers will desire to witness. The Engineer will advise the Contractor as to inspection and test points it will witness. The Contractor shall not proceed beyond these points until witnessed by the Engineer. The Engineer, however, reserves the right to waive witnessing of the above.

c - Quality Class II activity records shall be controlled by the Contractor in accordance with a written procedure which incorporates the requirements of QA records.

d - The following fabrication and processing procedures shall be submitted to the Engineer for review and comment in accordance with the Technical Document Submittal Procedure in Section 1B and the schedule contained in this technical section.

i - Welding procedures

ii - Welder and procedure qualification test reports

iii - Packaging, preservation, handling, storage and shipping procedures

e - Documentation

Contractor shall submit two (2) sets of complete documentation package, one set to be sent to the site prior to shipment and the other to be enclosed with each shipment. This documentation package shall include, but not be limited to:

i - All records, documentation, test data and certification as well as any other documents required by the specification, together with an index of all documents submitted.

ii - The identification of the item, nominal size and rating, tag or serial number, WPPSS contract and item number.

iii - Nonconformance reports which have been submitted to Engineer with disposition indicated

iv - Manufacturing certificate of conformance including original signed by an authorized representative stating that the supplied item conforms to all contractual requirements

26. QUALITY ASSURANCE REQUIREMENTS (Cont'd)

.02 Quality Assurance Requirements for WPPSS Quality Class II Equipment (Con

e - Documentation (Cont'd)

v - Certificate of compliance with seismic requirements (if applicable). This certification shall identify the equipment involved by serial or part number and shall reference seismic criteria.

vi - A signed copy of the "Release for Shipment" form, with the equipment, which will be provided to the Contractor by the Engineer's Vendor Quality Assurance Representative.

f - Quality Assurance Records

Quality Class II Equipment Records pertaining to the quality of the equipment shall be controlled by the Contractor in accordance with a written procedure.

Contractor shall submit a list of all records and stipulate those records being retained.

Quality Assurance records shall provide sufficient information to identify the records and the item or activity to which they apply. Quality Assurance records shall not be altered, changed, modified or corrected without proper justification. The correction or change shall include the date and identification of the person authorized to make change or correction.

The Owner or its representative shall be afforded the opportunity to acquire possession of any Quality Assurance records generated and are necessary for adequate traceability.

g - Review Prior to Submittal

Documents and procedures submitted by the Contractor shall have been reviewed and approved by the Contractor to assure conformance to the contract requirements.

.03 Special Conditions - WPPSS QC-I Nonconformance Requirements

a - Scope

This section pertains to those activities affecting the quality of structures, systems or components associated with WPPSS Nuclear Project No. 3/5 and presents the requirements that shall be followed by Vendors and Contractors of WNP-3&5' prepurchased Quality Class I Equipment.

MEMORANDUM TO CASE FILE

TYPE ACTION <input checked="" type="checkbox"/> RECORD OF CONVERSATION <input type="checkbox"/> CASE REVIEW / STATUS <input type="checkbox"/> OTHER	PARTICIPANTS Vorse + Bud Roberts, RIV FTS 728-8181 CONFIDENTIALITY REQUESTED YES NO	FILE NO. 26036 DATE 06-01-82 TIME
SUMMARY <p>I called Bud Roberts and told him basically what the allegations are. Roberts advised me that he will be going to Bahamas sometime towards the end of June 1982 and would like to have the info before he leaves.</p>		
PREPARED BY Vorse		DATE 06-02-82
ACTION REQUIRED		
REVIEWED BY		DATE
OFFICIAL USE ONLY — DO NOT DISCLOSE		

MEMORANDUM TO CASE FILE

TYPE ACTION <input checked="" type="checkbox"/> RECORD OF CONVERSATION <input type="checkbox"/> CASE REVIEW / STATUS <input type="checkbox"/> OTHER	PARTICIPANTS	FILE NO.
	Vorse + Herr (RTV)	26036
		DATE
		08-03-82
	CONFIDENTIALITY REQUESTED YES NO	TIME

SUMMARY

I spoke with Dick Herr and explained that some alleged forged documentation was on the way to us.

Dick said that 2 VIB "crack" inspectors are going to Johnson on the 7th of September to look into some of these issues. Herr requested that an R2 investigator assist. I told Dick Herr that we would provide such assistance and we agreed that a formal date and meeting place will be discussed in the near future.

PAGE 1 OF 1

PREPARED BY

Vorse

DATE

08-04-82

ACTION REQUIRED

REVIEWED BY

DATE

OFFICIAL USE ONLY

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MEMORANDUM TO CASE FILE

TYPE ACTION <input type="checkbox"/> RECORD OF CONVERSATION <input type="checkbox"/> CASE REVIEW / STATUS <input type="checkbox"/> OTHER	PARTICIPANTS Vorse + Herr Vorse + Jim Sutton 728-8175 CONFIDENTIALITY REQUESTED YES NO	FILE NO. DATE 08-17-82 TIME
SUMMARY <p>Dick Herr called and said that Jim Sutton of the VTB will be calling to make arrangements for the Sept 7 meeting and rendezvous for the Bohusens inspection.</p> <p>12:00 - Sutton called and related that he and another inspector would be at Bohusens and Pamela Jane North tel 919-767-8240 on Tuesday, Sept 7 1982</p>		
PREPARED BY		PAGE OF
ACTION REQUIRED		
REVIEWED BY		DATE
OFFICIAL USE ONLY — DO NOT DISCLOSE		

OFFICIAL USE ONLY

MEMORANDUM TO CASE FILE

TYPE ACTION <input checked="" type="checkbox"/> RECORD OF CONVERSATION <input type="checkbox"/> CASE REVIEW / STATUS <input type="checkbox"/> OTHER	PARTICIPANTS Vorsek + Jim Sutton CONFIDENTIALITY REQUESTED YES NO	FILE NO.
		DATE 09-02-82
		TIME

SUMMARY

Sutton called and informed me they would be staying at the Canada Inn, Greensboro, NC at telephone # (919) 275-9571 located at 121 Seneca St. I told him where we would be and he said he would like to meet us in Winston-Salem to conduct the interview.

PAGE OF

PREPARED BY	DATE
ACTION REQUIRED	
REVIEWED BY	DATE

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MEMORANDUM TO CASE FILE

TYPE ACTION <input checked="" type="checkbox"/> RECORD OF CONVERSATION <input type="checkbox"/> CASE REVIEW / STATUS <input type="checkbox"/> OTHER	PARTICIPANTS <i>J. VORSE</i> <i>B. Urye</i> <i>D. HERR</i>	FILE NO. <i>2-82-003</i>
		DATE <i>9/27/82</i>
	CONFIDENTIALITY REQUESTED YES NO	TIME <i>11:50 AM</i>

SUMMARY

Riv will be controlling office and we should use their file #. Use following number *4-82-015*
 write R2 # first *2-82-003/4-82-015*

PAGE 1 OF 1

PREPARED BY <i>B. Urye, Jr.</i>	DATE <i>9/27/82</i>
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ACTION REQUIRED

REVIEWED BY	DATE
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DO NOT DISCLOSE



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

Case File

JUN 9 1982

MEMORANDUM FOR: James Y. Vorse, Investigator, Enforcement and Investigations Staff

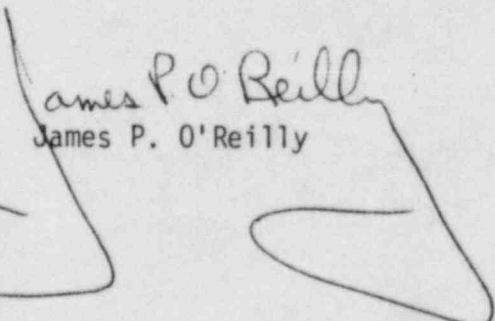
FROM: James P. O'Reilly, Regional Administrator

SUBJECT: AUTHORITY TO ADMINISTER OATHS OR AFFIRMATIONS

You are hereby delegated authority to administer oaths or affirmations in accordance with Section 161C of the Atomic Energy Act of 1954, as amended in furtherance of the following investigation:

Bahnson, Inc. (Vendor)
Improper QC Practices - HVAC Systems
Case 2G036

This authority extends to all interviews that you may conduct during the course of this investigation and may be exercised as you deem appropriate. This authority cannot be redelegated and does not extend beyond the instant investigation.


James P. O'Reilly

cc: R. Fortuna, IE

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