



Supplier Deviation Disposition Request Engineering Disposition

Page 6 of 7

PROJECT: River Protection Project Waste Treatment Plant JOB NO.: 24590 SDDR: 24590-WTP-SDDR-MS-11-00230 Rev. N/A

Title of SDDR: LAW Carbon Bed Adsorber Use of Later Edition of ASTM Standards Referenced by ASME B31.3-1996

Supplier Acknowledgement:

The Supplier accepts the RPP-WTP's disposition herein and agrees to implement the RPP-WTP's disposition accordingly. Return the signed SDDR to the RPP-WTP Project Document Control (PDC).

17. Supplier	<u>Donald R. HERN, Pres MGR</u> <small>Print/Type Supplier Representative Name and Position</small>	<u><i>Donald R. HERN</i></u> <small>Signature</small>	<u>11/7/11</u> <small>Date</small>
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Please note that source, special nuclear, and byproduct materials, as defined in the Atomic Energy Act of 1954 (AEA) are regulated at the U. S. Department of Energy (DOE) facilities exclusively by DOE acting pursuant to its AEA authority. DOE asserts that pursuant to AEA, it has sole and exclusive responsibility and authority to regulate source, special nuclear, and byproduct materials at DOE-owned nuclear facilities. Information contained herein on radionuclides is provided for process description purposes only.

**RPP-WTP
RECEIVED
NOV 08 2011
BY PDC**

NOTES:

1. Complete instructions provided at end of form.
2. Items 1 through 9 and 17 to be completed by Supplier
3. Items 10 through 16 to be completed by RPP-WTP.

4. Non applicable items to be marked "N/A"
5. Attach additional information whenever necessary
6. RPP-WTP must be notified within 5 days after detection of deviation
7. RPP-WTP selects "Yes", if the SDDR contains or references ECI documents.

24590-ENG-F00001 Rev 36 (Revised 4/11/2011)

Ref: 24590-WTP-3DP-G04B-00063



Yes No THIS DOCUMENT CONTAINS EXPORT CONTROLLED INFORMATION, SEE BASE DOCUMENT FOR FULL LABEL AND RESTRICTIONS



Supplier Deviation Disposition Request

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PROJECT: River Protection Project Waste Treatment Plant

JOB No.: 24590

FOR RPP-WTP USE			
RPP-WTP SDDR No. 24590-WTP-SDDR-MS-11-00230	Rev. N/A	DATE RECEIVED 10/19/2011	
FOR SUPPLIER USE			
SUPPLIER SDDR No. 2904100-IDR031 Rev. 1		DATE SUBMITTED 10/19/11	
1. Supplier Name IONEX Research Corporation	Address PO Box 70	City & State Lafayette, CO	Zip 80026
2. Supplier's Order No. 904100	3. RPP-WTP P.O. or SC 24590-QL-POA-MWK0-00001		Rev 24
4. Deviation Description (Attach extra sheets, photographs, sketches, etc. as necessary and identify quantity and serial numbers as applicable) Reference: Engineering specification 24590-WTP-3PS-MWK0-T0001, Rev.4, Sections 2.2.3, 3.1.9, 5.1.5 make reference to ASME B31.3-1996 Process Piping Code. Engineering specification 24590-WTP-3PS-PS02-T0001, Rev.10, Section 1.4.1 also makes reference to ASME B31.3-1996 Process Piping Code. Deviation: Allow the use of ASTM/ASME material standards from more recent years than those referenced as daughter standards in the 1996 version of ASME B31.3 Process Piping Code.			
4a. Was an NCR issued? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Number:			
5. Supplier's Proposed Disposition: <input type="checkbox"/> Use As-Is <input type="checkbox"/> Repair <input checked="" type="checkbox"/> Modify RPP-WTP Requirement			
6. Supplier's Estimated Cost Impact: None		7. Supplier's Estimated Schedule Impact: None	
8. Proposed Disposition and Technical Justification (plus Cost/Schedule if applicable): (Attach extra sheets, sketches, etc., as necessary.) Proposed Disposition: Request BNI approval to use ASTM/ASME material standards from more recent years that are not referenced as daughter standards in ASME B31.3-1996 Process Piping Code. Justification: Daughter standard references were not considered during the selection and procurement of piping and piping components for the HLW and LAW Activated Carbon Bed Adsorbers. Inquires into this issue with IONEX vendors have resulted in no vendor on the IONEX Approved Vendors List (AVL) being willing to supply piping and piping components to the now dated ASTM/ASME standards referenced as daughter codes in ASME B31.3-1996. See attached list of ASTM/ASME material designation numbers and dates used for the HLW and LAW Activated Carbon Bed Adsorbers interconnecting pipework. This request for deviation has been submitted with the knowledge that the ASTM/ASME standards used for the piping and piping components do not adversely affect the form, fit, function, or safety of either the HLW or LAW Activated Carbon Bed Adsorbers. IONEX requests authorization to use the fabricated pipe spools with the attached ASTM/ASME material designations			

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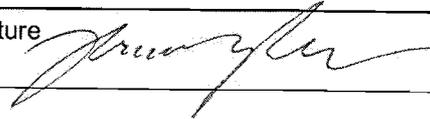
PROJECT: River Protection Project Waste Treatment Plant JOB NO.: 24590 SDDR: 24590-WTP-SDDR-MS-11-00230 Rev. N/A

8. Proposed Disposition and Technical Justification (plus Cost/Schedule if applicable): (Attach extra sheets, sketches, etc., as necessary.)
as-is.

9. Supplier's Authorized Representative

Rob Pringle

Signature



Title

Engineering Supervisor

Date

10/18/2011

10. RPP-WTP Engineering Action Approved Disapproved See Below

Distribution: Procurement & Subcontracts Construction

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11. (OPTIONAL) RPP-WTP Provisional Disposition Statement (Attach extra sheets, sketches, etc., as necessary).

N/A

RPP-WTP Provisional Disposition Justification (Attach extra sheets, sketches, etc., as necessary).

N/A

ATS Number: 24590-WTP-ATS-QAIS- -

RPP-WTP Provisional Disposition Approval:

RE/Originator:	<i>Print/Type Name</i>	<i>Signature</i>	<i>Date</i>
E&NS Review (when required):	<i>Print/Type Name</i>	<i>Signature</i>	<i>Date</i>
Approver:	<i>Print/Type Name</i>	<i>Signature</i>	<i>Date</i>

12. RPP-WTP Procurement & Subcontracts Action: Commercial Terms Impact:

- Yes *This SDDR grants relief from requirements or changes the requirements and; check each (consideration) item that applies:*
- Modifications to governing terms are required and/or;
 - An increase in price is requested by Seller and/or;
 - A price credit from the Supplier is due and/or;
 - An increase/decrease in the Seller promise delivery date is required.
 - Cost impact, if any is subject to a separate approval process as required by the changes clause.
- No *This SDDR grants relief from requirements or changes the requirements and all of the following apply:*
- No commercial impact (No modification of governing commercial terms is required) and;
 - No increase in price is requested by Seller and;
 - No decrease in price is anticipated or required by Buyer and;
 - No extension of promised shipment is required

NOTES:

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|--|--|
| <ol style="list-style-type: none"> 1. Complete instructions provided at end of form. 2. Items 1 through 9 and 17 to be completed by Supplier 3. Items 10 through 16 to be completed by RPP-WTP. | <ol style="list-style-type: none"> 4. Non applicable items to be marked "N/A" 5. Attach additional information whenever necessary 6. RPP-WTP must be notified within 5 days after detection of deviation 7. RPP-WTP selects "Yes", if the SDDR contains or references ECI documents. |
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13. Part of DCP?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DCP Number:	Rev
14. ACA Needed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ACA Number:	Rev
15. RPP-WTP Final Disposition Statement (Attach extra sheets, sketches, etc., as necessary). <i>See provisional disposition above. Is the final disposition the same as the provisional disposition?</i> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Bechtel accepts IONEXs proposed use of material with later editions (See Page 7) of ASTM/ASME Standards referenced by ASME B31.3 -1996.			
This SDDR Supersedes 24590-WTP-SDDR-M-06-00286, Rev, N/A			
RPP-WTP Justification (Attach extra sheets, sketches, etc., as necessary). The use of later editions is allowed per CCN 235970 "ASTM Material Specification Update". Standards not covered by this CCN have been evaluated by MET. Approval of this SDDR does not affect form, fit or function.			

REQUIREMENTS REVIEW			
Client Approval Required*	<input type="checkbox"/> Yes <input type="checkbox"/> No	E&NS Screening Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Interface Resolution Required*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
*Address these "yes" answers in the RPP-WTP Disposition Statement (above).			

Affected RPP-WTP Documents:						
Document Number	Rev	Remarks	Specification Retroactive?		Incorporation by	
			Yes	No	Design Change	Reference
24590-WTP-SDDR-M-06-00286	N/A	Superseded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24590-WTP-3PS-MWK0-T0001	5		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24590-WTP-3PS-PS02-T0001	10		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Affected Supplier Submittals:			
Document Number	Rev	Document Number	Rev
N/A			

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B31.3-1996

Reference Documents:			
Document Number	Rev	Document Number	Rev
CCN: 235970			
16. RPP-WTP Disposition Approval:			
RE/Originator:	<u>Ryan Brown</u> <i>Print/Type Name</i>	 <i>Signature</i>	<u>11/7/11</u> <i>Date</i>
Checker:	<u>Ryan Rickenbach</u> <i>Print/Type Name</i>	 <i>Signature</i>	<u>11/7/2011</u> <i>Date</i>
Reviewer(s):	<u>(PEQ) Grant Goolsby</u> <i>Print/Type Name</i>	 <i>Signature</i>	<u>7 NOV 11</u> <i>Date</i>
Reviewer:	<u>(MET) Debbie Adler</u> <i>Print/Type Name</i>	 <i>Signature</i>	<u>11-7-11</u> <i>Date</i>
Reviewer:	<u>(Plant Design) John Schuette</u> <i>Print/Type Name</i>	 <i>Signature</i>	<u>11-7-11</u> <i>Date</i>
E&NS Review (when required):	<u>Dwight Krahn DWIGHT KRAHN 11/7/11</u> <i>Print/Type Name</i>	 <i>Signature</i>	<u>11/7/11</u> <i>Date</i>
Procurement & Subcontracts Representative:	<u>Debra Hanigan</u> <i>Print/Type Name</i>	 <i>Signature</i>	<u>11/7/11</u> <i>Date</i>
Approver(s):	<u>John Schneider DAVID WILSEY</u> <i>Print/Type Name</i>	 <i>Signature</i>	<u>11/7/11</u> <i>Date</i>
Approver:	<u>N/A</u> <i>Print/Type Name</i>	 <i>Signature</i>	 <i>Date</i>

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17. Supplier	<hr/>	<hr/>	<hr/>
	<i>Print/Type Supplier Representative Name and Position</i>	<i>Signature</i>	<i>Date</i>

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JOB 910040

Ionex PO No.	Material Description	ASTM/ASME No. and Date
6910040-004	Pipe, 3" sch 40	ASTM/ASME A/SA 106/A 106M-06
6910040-007	Pipe, 1-1/2" sch 80S	ASME SA312-07
	Pipe, 1/2" sch 80S	ASME SA312-08
	Pipe, 16" sch 40S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 18" sch 80S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 18" sch 80S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 18" sch 80S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 18" sch 80S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 8" sch 40S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 8" sch 40S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 2" sch 80S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 3" sch 80S	ASTM A312-09 ASME SA312-07, 09 add
	Pipe, 2" sch 40S	ASTM A312-09 ASME SA312-07, 09 add
6910040-009	Slip on flange, 16" x 150#	A/SA 182/M-07
	Slip on flange, 18" x 150#	A/SA 182/M-07
	Slip on flange, 1-1/2" x 150#	A/SA 182/M-07
	Weld neck flange, 18" x 150#	A/SA 182/M-07
	Weld neck flange, 18" x 150#	A/SA 182/M-07
	Weld neck flange, 18" x 150#	A/SA 182/M-07
	Weld neck flange, 1/2" x 150#	ASME SA182-08
	Weld neck flange, 2" x 150#	A/SA 182/M-07
	Weld neck flange, 3" x 150#	ASME SA182-08
	Blind flange, 1-1/2" x 150#	A/SA 182/M-07
	Blind flange, 1/2" x 150#	A/SA 182/M-07
	Blind flange, 16" x 150#	A/SA 182/M-07
	Blind flange, 2" x 150#	A/SA 182/M-07
	Blind flange, 4" x 150#	A/SA 182/M-07
	Blind flange, 3" x 150#	A/SA 182/M-07
	Blind flange, 8" x 150#	A/SA 182/M-07
	Elbow, 1/2" sch 80S	A403-07A/SA403-08
	Elbow, 2" sch 80S	A403-07A/SA403-08
	Elbow, 18" sch 80S	A403-07A/SA403-08
	Elbow, 18" sch 80S	A403-07A/SA403-08
	Elbow, 2" sch 40S	A403-07A/SA403-08
	Tee, 2" sch 40S	A403-07A/SA403-08
	Tee, 18" sch 80S	A403-07A/SA403-08
	Weld neck flange, 2" x 150#	A/SA 182/M-07
6910040-012	Pipe, 8" sch 80S	ASME SA312-06
6910040-041	Pipe, 1/2" sch 40	ASME SA312-09
6910040-051	Slip-on flange, 8" x 150#	ASTM A182M-09a / ASME SA-182M