



# Technical Change Notice (TCN) – Part A

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PROJECT: River Protection Project Waste Treatment Plant

ISSUED BY  
RPP-WTP-PDC

JOB No.: 24590

<b>A1. Date:</b> <u>10/28/2010</u>	<b>RPP-WTP TCN No.:</b> <u>24590-QL-MRA-MKH0-00001-T0003</u>
<b>Title for TCN:</b> <u>LVP Filter Housing design and operating pressure change</u>	
<b>Supersedes Change Document</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

<b>A2. Project Only Information</b>	
<b>Part of DCP?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>ECN Needed?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>Cost and Schedule Impacts:</b>	
Not to exceed value: \$200,000	
Cost shown is for vendor to redo calculations. Change has a potential \$1,000,000 to \$1,500,000 cost avoidance.	
The current level 4 forecast schedule already incorporates the schedule impact of this change and shows a positive float of eight months.	

<b>CAM Approval(s)</b>		
		<u>12/7/10</u>
<i>Print/Type Name</i>	<i>Signature</i>	<i>Date</i>

**\*\*\* THIS PAGE NOT TO BE SENT TO SUPPLIER \*\*\***

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.



# Technical Change Notice (TCN) – Part B

PROJECT: River Protection Project Waste Treatment Plant

JOB No.: 24590

Date: 10/28/2010 RPP-WTP TCN No.: 24590-QL-MRA-MKH0-00001-T0003  
 Title for TCN: LVP Filter Housing design and operating pressure change  
 Supersedes Change Document  Yes  No

## B1. Affected RPP-WTP Documents

Identify by number and current revision the specifications, drawings (including data sheets and engineering lists), supplier documents provided to another supplier, and material requisitions, as applicable. Attach extra sheets, photographs, sketches, etc., as necessary to provide justification or describe the change.

B1.1 Long Form Material Requisition (LFMR) Number	Rev	LFMR Title
24590-QL-MRA-MKH0-00001	06	SAFE CHANGE HEPA FILTER HOUSING (Q)

### Justification for Change

NA

NA

**Attachments** (The following Material Requisition components, attached, are newly added or supersede any prior versions transmitted.)

NA

## B1.2 Added/Deleted Documents

**Added Documents** (The following documents are newly added or supersede any prior revisions transmitted)

Document Number	Rev	Document Number	Rev
NA			

**Deleted Documents** (The following documents are deleted and no longer valid)

Document Number	Rev	Document Number	Rev
NA			

## B1.3 Change Document(s)

Document Number	Rev	Document Title
24590-LAW-MKD-LVP-00013	2	Safe Change Housing

### Justification for Change

Lower operating and design pressure will lower fabrication and material costs



# Technical Change Notice (TCN) – Part B

PROJECT: River Protection Project Waste Treatment Plant

JOB No.: 24590

Date: 10/28/2010 RPP-WTP TCN No.: 24590-QL-MRA-MKH0-00001-T0003

Title for TCN: LVP Filter Housing design and operating pressure change

<p><b>Description of Change</b></p> <p><b>WAS</b> Page 1 of 5, line 2 Supporting Calculation 24590-LAW-MAC-LVP-00007</p> <p><b>IS</b> Page 1 of 5, line 2 Supporting Calculation 24590-LAW-M6C-LVP-00004</p> <p><b>WAS</b> Page 1 of 5, line 17 Maximum Operating Pressure in WG (-)100 (Note 1)</p> <p><b>IS</b> Page 1 of 5, line 17 Maximum Operating Pressure in WG (-) 91.5</p> <p><b>WAS</b> Page 1 of 5, line 17 Leak test Pressure (in WG) (-)125</p> <p><b>IS</b> Page 1 of 5, line 17 Leak Test Pressure in WG (-)115</p> <p><b>WAS</b> Page 1 of 5, line 18 Maximum Design Pressure in WG (-) 155 (Note 1)</p> <p><b>IS</b> Page 1 of 5, line 18 Maximum Design Pressure in WG (-) 115 (Note 1)</p> <p><b>WAS</b> Page 3 of 5, NOTE 1. Max Design Pressure includes 10% margin on exhauster design total static pressure, ref calculation 24590-LAW-MAC-LVP-00007 Rev B Structural Capability Pressure (-)195" W.G. (includes 25 % factor on max. design pressure)</p> <p><b>IS</b> Page 3 of 5, NOTE 1. Maximum Design Pressure is the Maximum Operating Pressure with (-)23.5 W.G added as a safety margin. The Structural Capability Pressure shall be equal to the Maximum Design Pressure, e.g (-)115 WG. Reference calculation 24590-LAW-M6C-LVP-00004 Rev 0A.</p>
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**B2. REQUIREMENTS REVIEW**

Client Approval 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 description.					



# Technical Change Notice (TCN) – Part B

PROJECT: River Protection Project Waste Treatment Plant

JOB No.: 24590

Date: 10/28/2010 RPP-WTP TCN No.: 24590-QL-MRA-MKH0-00001-T0003

Title for TCN: LVP Filter Housing design and operating pressure change

### B3. SIGNATURES AND DATES:

<b>Originator</b> Paul Meeuwsen	<b>Checker</b> Alfredo Jocson <i>[Signature]</i> 12/1/10
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### Reviews

E&NS - Dwight Krahn <i>[Signature]</i>	EQ - Bob Delannoy <i>[Signature]</i>	HVAC - Pat Sullivan <i>[Signature]</i>	MSD - Richard Peters <i>[Signature]</i>	PEQ - Jerry Dunn <i>[Signature]</i> 12/1/10
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### Approval(s)

EM - Janet Roth <i>[Signature]</i>			
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Date (inserted by final approver): 12/2/10

### B4. DISTRIBUTION:

E-mail Address/Recipient	Organization	E-mail Address/Recipient	Organization
WTP Acquisition Helpdesk	Procurement & Subcontracts		