



Drawing Change Notice

Page 1 of 2
CHANGE DOCUMENT NO.
24590-LAW-M5N-V17T-
00030

JOB NO. 24590	TITLE FOR CHANGE NOTICE Modifying depictions of LVP heaters		
DESIGN DOCUMENT NUMBER 24590-LAW-M5-V17T-00010	REV 4	DESIGN DOCUMENT NUMBER	REV

PART OF DESIGN CHANGE PACKAGE (DCP)? Yes No DCP No.: Rev:

JUSTIFICATION FOR NO DCP:

JUSTIFICATION FOR CHANGE

The PFD needs to be updated to match P&ID 24590-LAW-M6-LVP-00001002. This change was previously approved in TN-06-05324.

CAUSE CODE

34

Supersedes Change Document Yes No

ECN Needed Yes No

REQUIREMENTS REVIEW

Client Approval Required Yes No Interface Resolution Required * Yes No

Address any "yes" answers in the description

DESCRIPTION OF CHANGE

Modify the depiction of LVP heaters LVP-HTR-00001A/B, show LVP-HTR-00003A/B, as shown on Page 2.

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.

ORIGINATOR

Mike O'Neill

Originator

By: Mike O'Neill - mroneill

Org Name: BNI

Placed: Nov 06, 2013, 4:15 pm

CHECKER

Rich Peters

Checked

By: Rich Peters - rpeters1

Org Name: Melter Systems Lead

Placed: Nov 06, 2013, 5:35 pm

Reviews

E&NS

[Signature] 11/11/13

MS&PE - Serena Austen

[Signature]

COI - PETER DOUGLASS

[Signature]

Approval(s) *[Signature]*

MS&PE - Peter Ornel

[Signature]

LSL PEM/PE

[Signature]

Date (inserted by final approver): 20 NOV 13

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.

PLANT ITEM NUMBER	DESCRIPTION
OPERATING DUTY	
BATCH/OPERATING CAPACITY	

LVP-HTR-00001A HEATERS OFFGAS HEPA NON-SAFETY PREHEATER 14,000 LB/HR 75 RN	LVP-HTR-00002A HEATERS OFFGAS HEPA NON-SAFETY PREHEATER 14,000 LB/HR 75 RN
-------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------

LVP-HTR-00003A HEATERS OFFGAS HEPA NON-SAFETY PREHEATER 14,000 LB/HR 75 RN	LVP-HTR-00003B HEATERS OFFGAS HEPA SAFETY PREHEATER 14,000 LB/HR 3 + 13 RN
-------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------

LVP-HEPA-00001A MELTER OFFGAS HEPA FILTER N/A 8000 ACM @ 2.5 IN WG NOTE 7	LVP-HEPA-00001B MELTER OFFGAS HEPA FILTER N/A 8000 ACM @ 2.5 IN WG NOTE 7
------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------

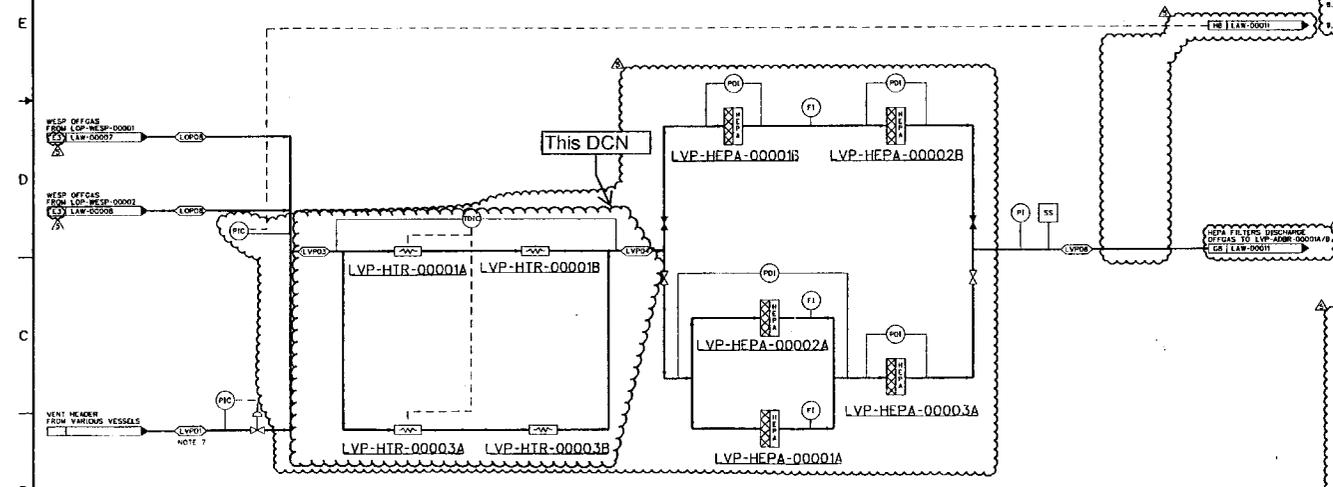
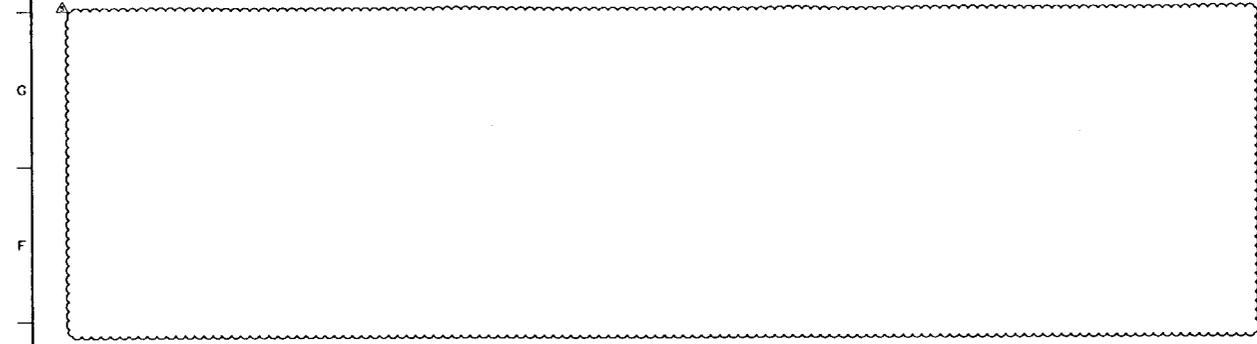
LVP-HEPA-00002A MELTER OFFGAS HEPA FILTER N/A 8000 ACM @ 2.5 IN WG NOTE 7	LVP-HEPA-00002B MELTER OFFGAS HEPA FILTER N/A 8000 ACM @ 2.5 IN WG NOTE 7
------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------

LVP-HEPA-00003A MELTER OFFGAS HEPA FILTER N/A 8000 ACM @ 2.5 IN WG NOTE 7	LVP-HEPA-00003B MELTER OFFGAS HEPA FILTER N/A 8000 ACM @ 2.5 IN WG NOTE 7
------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------

- NOTES:**
- CONTENTS OF THIS DRAWING ARE DANGEROUS WASTE PERMIT EFFECTIVE.
 - TO CONVERT ACM TO M3/HR MULTIPLY BY 12.
 - STREAM TABLE REMOVED IN ACCORDANCE WITH STANDARD 2. SECTION COVERED BY STATEMENT OF WORK W/FP CONTRACT NO. DE-SC27-00V1438.
 - BATCH/OPERATING CAPACITY VALUES ARE MINIMUM DESIGN VALUES. ACTUAL VALUES SUPPLEMENTED ON OTHER DESIGN MEDIA MAY BE LOWER.
 - REVISION 4 DELETED NOTES 4 EQUIPMENT DATA, REMOVED STREAM TABLE, CHANGES PERFORMANCES PER 24590-LAW-DCN-FR-02-004, 24590-LAW-DCN-FR-03-004 & 24590-LAW-DCN-FR-03-006, 24590-WFP-DCN-W-02-001 REV D, PER 24590-WFP-DCN-W-03-048 REV D.
 - REVISION 5 INCORPORATED 24590-LAW-MS-V17E-0005, 0006, 0007, AND 0008, DELETED/ADDED/UPDATED NOTES, TITLE BLOCK, REFERENCES, INSTRUMENTS AND EQUIPMENT.

- HOLDS:**
- 1. DELETED
- REFERENCES:**
- 1. 24590-LAW-DCN-FR-02-004, PROCESS FLOW DIAGRAM LEGEND 2. DELETED
 - 2. 24590-WFP-DCN-W-02-001, PROCESS FLOW DIAGRAM LEGEND 2. DELETED
 - 3. 24590-WFP-DCN-W-03-048, SYSTEM AND AREA LOCATORS LIST AND SYSTEM DIVISION OF RESPONSIBILITY
 - 4. 24590-WFP-DCN-W-03-048, COMPONENT IDENTIFIERS LIST
 - 5. 24590-LAW-DCN-FR-02-004, SYSTEM AND AREA LOCATORS LIST AND SYSTEM DIVISION OF RESPONSIBILITY
 - 6. 24590-LAW-DCN-FR-03-004, COMPONENT IDENTIFIERS LIST
 - 7. 24590-LAW-DCN-FR-03-006, STREAMS OF THE LAW OFFGAS HEPA ELECTRIC PREHEATERS
 - 8. 24590-LAW-DCN-FR-03-006, OFFGAS PIPE AND EXHAUSTER SIZING FOR LVP AND LVP SYSTEMS.
 - 9. DELETED

THE PROCESS CONDITIONS SHOWN ON THIS FLOW DIAGRAM ARE FOR DESIGN PURPOSES ONLY. THESE SHOULD BE USED AS A GUIDE FOR OPERATIONS, THEY DO NOT REPRESENT EXACT OR GUARANTEED OPERATING CONDITIONS. GUARANTEES ARE SPELLED OUT IN THE CONTRACT.



REV	DESCRIPTION	DATE
1	REVISED FOR REV D	
2	REVISED FOR REV E	
3	REVISED FOR REV F	

PROJECT NO.	24590	REVISION HISTORY
SITE	WATERBURY	RIVER PROTECTION PROJECT
AREA	24590	WASTE TREATMENT PLANT
PLANT NO.	24	24590-REVENUE CENTER PLACE
		RICHMOND, VA 23234
CONTRACTOR	TECHNIPON	CONTRACT NO.
DESIGNER	WALTON THOMAS	DATE
ENGINEER	DAVID WALKER	
OPERATOR	DAVID WALKER	
REVIEWER	DAVID WALKER	
DATE	04/11/00	
PROJECT APPROVED BY	DAVID WALKER	
DATE	04/11/00	
PROJECT NO.	24590	24590-LAW-MS-V17T-00010
SHEET NO.	2	

**PROCESS FLOW DIAGRAM
LAW SECONDARY
OFFGAS VESSEL VENT
PROCESS SYSTEM**