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		CHANGE DOCUMENT NO. 24590-LAW-3YD-LOP-00015

JOB NO. 24590	TITLE FOR CHANGE NOTICE Update Chapter 6 Description of HEPA Preheaters		
DESIGN DOCUMENT NUMBER 24590-LAW-3YD-LOP-00001		REV 3	DESIGN DOCUMENT NUMBER REV

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

JUSTIFICATION FOR NO DCP: _____

JUSTIFICATION FOR CHANGE
HEPA preheater design was changed which included a new tag convention. Description of preheaters was revised to reflect current design.

CAUSE CODE
34

Supersedes Change Document Yes No

REQUIREMENTS REVIEW

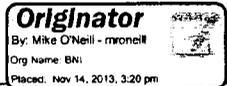
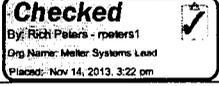
Client Approval Required Yes No Interface Resolution Required * Yes No

Address any "yes" answers in the description

DESCRIPTION OF CHANGE

Replace the second paragraph of section 6.4.1.1 in its entirety with the following:

The combined offgas stream is split and each stream is passed through one of two parallel normal process offgas heaters (LVP-HTR-00001A or LVP-HTR-00003A). These normal process offgas heaters utilize electric heating elements to increase the temperature of the combined offgas stream at least 18 °F (10 °C) in order to decrease the relative humidity of the offgas and prevent condensation in downstream components, particularly the HEPA filters. Sizing of these heaters is such that if one of them fails, the other unit can maintain the required combined stream offgas temperature increase on its own. In addition to these normal process heaters, there are Safety heaters (LVP-HTR-00001B and LVP-HTR-00003B) that are installed in series, one with each of the process heaters. Each of the Safety heaters are made up of 3 x 13 kW heater elements (39 kW total per Safety heater). Each of these elements can be turned on individually by PPJ as needed to maintain the required combined stream offgas temperature delta-T. These Safety heaters are only activated in the event that the normal process heaters fail to maintain the requisite combined stream delta-T [4.2.2.17.3].

ORIGINATOR Mike O'Neill		CHECKER Rich Peters	
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Reviews			
E&NS - <i>J. Handford 11/14/13</i>	C&I - <i>PETER DOUGLASS</i>	E - <i>Serena Wilkins</i>	MS&PE - <i>SERENA AUSTEN</i>
SE - <i>T. CHAYENKOVA</i>	P-OPS - <i>Accepted No Comments</i> By: Maurice Bunker - mbunker Org Name: Operations Placed: Nov 14, 2013, 4:07 pm	SU - <i>Accepted No Comments</i> By: Dave Boyd - dboyd Org Name: URS Placed: Nov 14, 2013, 3:48 pm	

Approval(s) *Don Crager Sr* *AK 11/15/13*

MS&PE - Peter Omel *LOL PEA/PE*

Date (inserted by final approver): 11-18-13

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.



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CHANGE DOCUMENT NO.
24590-LAW-3YN-LOP-
00015

JOB NO. 24590	TITLE FOR CHANGE NOTICE Update Chapter 6 Description of HEPA Preheaters		
DESIGN DOCUMENT NUMBER 24590-LAW-3YD-LOP-00001	REV 3	DESIGN DOCUMENT NUMBER	REV

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

JUSTIFICATION FOR NO DCP:

JUSTIFICATION FOR CHANGE HEPA preheater design was changed which included a new tag convention. Description of preheaters was revised to reflect current design.	CAUSE CODE 34
---	------------------

Supersedes Change Document Yes No

REQUIREMENTS REVIEW

Client Approval Required Yes No Interface Resolution Required * Yes No

Address any "yes" answers in the description

DESCRIPTION OF CHANGE

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The combined offgas stream is split and each stream is passed through one of two parallel normal process offgas heaters (LVP-HTR-00001A or LVP-HTR-00003A). These normal process offgas heaters utilize electric heating elements to increase the temperature of the combined offgas stream at least 18 °F (10 °C) in order to decrease the relative humidity of the offgas and prevent condensation in downstream components, particularly the HEPA filters. Sizing of these heaters is such that if one of them fails, the other unit can maintain the required combined stream offgas temperature increase on its own. In addition to these normal process heaters, there are Safety heaters (LVP-HTR-00001B and LVP-HTR-00003B) that are installed in series, one with each of the process heaters. Each of the Safety heaters are made up of 3 x 13 kW heater elements (39 kW total per Safety heater). Each of these elements can be turned on individually by PPJ as needed to maintain the required combined stream offgas temperature delta-T. These Safety heaters are only activated in the event that the normal process heaters fail to maintain the requisite combined stream delta-T [4.2.2.17.3].

ORIGINATOR Mike O'Neill	Originator By: Mike O'Neill - mronell Org Name: BNI Placed: Nov 14, 2013, 3:20 pm	CHECKER Rich Peters	Checked By: Rich Peters - rpeters1 Org Name: Melder Systems Lead Placed: Nov 14, 2013, 3:22 pm
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Reviews			
E&NS - <i>J. Hamblin 11/14/13</i>	C&I - <i>PETER DOUGLASS</i> <i>Pete D. Douglass</i>	E - <i>Serena Williams</i> <i>Serena Williams</i>	MS&PE - <i>SERENA AUSTEN</i> <i>Serena Austen</i>
SE - <i>T. CHAYENKOVA</i> <i>T. Chayenkova</i>	P-OPS - Accepted No Comments By: Maurice Bunker - mbunker Org Name: Operations Placed: Nov 14, 2013, 4:07 pm	SU - Accepted No Comments By: Dave Boyd - dboyd Org Name: URS Placed: Nov 14, 2013, 3:48 pm	

Approval(s) <i>Don Craig</i>	<i>AD 11/15/13</i>
MS&PE - <i>Peter Omel</i>	<i>LOL PEN/PE</i>

Date (inserted by final approver): 11-18-13

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