

Participant A															
Piping System	LOCA Category (gpm)	Base Case	LOCA Frequency for System			25 Years of Plant Operation			40 Years of Plant Operation			60 Years of Plant Operation			
			5% LB (cal-yr <sup>-1</sup> )	Mid Value (cal-yr <sup>-1</sup> )	5% UB (cal-yr <sup>-1</sup> )	5% LB Ratio	Mid Value Ratio	5% UB Ratio	5% LB Ratio	Mid Value Ratio	5% UB Ratio	5% LB Ratio	Mid Value Ratio	5% UB Ratio	
Recirculation	1 (> 100)	Developed from service history	8.00E-06	2.40E-05	7.20E-05	1	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		8.00E-06	2.40E-05	7.20E-05	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585	
	3 (> 5,000)		8.00E-06	2.40E-05	7.20E-05	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195	
	4 (> 25,000)		8.00E-06	2.40E-05	7.20E-05	0.0015	0.03	0.0585	0.0015	0.03	0.0585	0.0015	0.03	0.0585	
	5 (> 100,000)		8.00E-06	2.40E-05	7.20E-05	0.0005	0.01	0.0195	0.0005	0.01	0.0195	0.0005	0.01	0.0195	
	6 (> 500,000)														
Feed Water	1 (> 100)	Developed from service history	1.33E-06	4.00E-06	1.20E-05	1	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		1.33E-06	4.00E-06	1.20E-05	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585	
	3 (> 5,000)		1.33E-06	4.00E-06	1.20E-05	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195	
	4 (> 25,000)		1.33E-06	4.00E-06	1.20E-05	0.0015	0.03	0.0585	0.0015	0.03	0.0585	0.0015	0.03	0.0585	
	5 (> 100,000)		1.33E-06	4.00E-06	1.20E-05	0.0005	0.01	0.0195	0.0005	0.01	0.0195	0.0005	0.01	0.0195	
	6 (> 500,000)														
Steam Line	1 (> 100)	Developed from service history	1.67E-07	5.00E-07	1.50E-06	1	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		1.67E-07	5.00E-07	1.50E-06	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585	
	3 (> 5,000)		1.67E-07	5.00E-07	1.50E-06	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195	
	4 (> 25,000)		1.67E-07	5.00E-07	1.50E-06	0.0015	0.03	0.0585	0.0015	0.03	0.0585	0.0015	0.03	0.0585	
	5 (> 100,000)		1.67E-07	5.00E-07	1.50E-06	0.0005	0.01	0.0195	0.0005	0.01	0.0195	0.0005	0.01	0.0195	
	6 (> 500,000)														
High Pressure Core Spray Lines, Low Pressure Core Spray Lines	1 (> 100)	Developed from service history	3.33E-06	1.00E-05	3.00E-05	1	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		3.33E-06	1.00E-05	3.00E-05	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585	
	3 (> 5,000)		3.33E-06	1.00E-05	3.00E-05	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195	
	4 (> 25,000)		3.33E-06	1.00E-05	3.00E-05	0.0015	0.03	0.0585	0.0015	0.03	0.0585	0.0015	0.03	0.0585	
	5 (> 100,000)		3.33E-06	1.00E-05	3.00E-05	0.0005	0.01	0.0195	0.0005	0.01	0.0195	0.0005	0.01	0.0195	
	6 (> 500,000)														
Low Pressure Core Spray Lines	1 (> 100)	Developed from service history	0.00E+00	0.00E+00	0.00E+00	1	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		0.00E+00	0.00E+00	0.00E+00	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585	
	3 (> 5,000)		0.00E+00	0.00E+00	0.00E+00	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195	



	5 (> 100,000)													
	6 (> 500,000)													
Drain Lines	1 (> 100)	Developed from service history	1.83E-06	5.50E-06	1.65E-05	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		1.83E-06	5.50E-06	1.65E-05	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585
	3 (> 5,000)		1.83E-06	5.50E-06	1.65E-05	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195
	4 (> 25,000)		1.83E-06	5.50E-06	1.65E-05	0.0015	0.03	0.0585	0.0015	0.03	0.0585	0.0015	0.03	0.0585
	5 (> 100,000)													
	6 (> 500,000)													
Head Spray	1 (> 100)	Developed from service history	0.00E+00	0.00E+00	0.00E+00	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		0.00E+00	0.00E+00	0.00E+00	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585
	3 (> 5,000)		0.00E+00	0.00E+00	0.00E+00	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195
	4 (> 25,000)		0.00E+00	0.00E+00	0.00E+00	0.0015	0.03	0.0585	0.0015	0.03	0.0585	0.0015	0.03	0.0585
	5 (> 100,000)													
	6 (> 500,000)													
Safety Relief Valve Lines	1 (> 100)	Developed from service history	5.00E-07	1.50E-06	4.50E-06	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		5.00E-07	1.50E-06	4.50E-06	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585
	3 (> 5,000)		5.00E-07	1.50E-06	4.50E-06	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195
	4 (> 25,000)		5.00E-07	1.50E-06	4.50E-06	0.0015	0.03	0.0585	0.0015	0.03	0.0585	0.0015	0.03	0.0585
	5 (> 100,000)	5.00E-07	1.50E-06	4.50E-06	0.0005	0.01	0.0195	0.0005	0.01	0.0195	0.0005	0.01	0.0195	
	6 (> 500,000)													
Reactor Core Isolation Cooling Lines	1 (> 100)	Developed from service history	3.33E-07	1.00E-06	3.00E-06	1	1	1	1	1	1	1	1	1
	2 (> 1,500)		3.33E-07	1.00E-06	3.00E-06	0.015	0.3	0.585	0.015	0.3	0.585	0.015	0.3	0.585
	3 (> 5,000)		3.33E-07	1.00E-06	3.00E-06	0.005	0.1	0.195	0.005	0.1	0.195	0.005	0.1	0.195
	4 (> 25,000)													
	5 (> 100,000)													
	6 (> 500,000)													
<b>Summary of Relative Contributions</b>														
LOCA Category						25 Years of Plant Operation			40 Years of Plant Operation			60 Years of Plant Operation		
						5% LB	Mid Value	5% UB	5% LB	Mid Value	5% UB	5% LB	Mid Value	5% UB













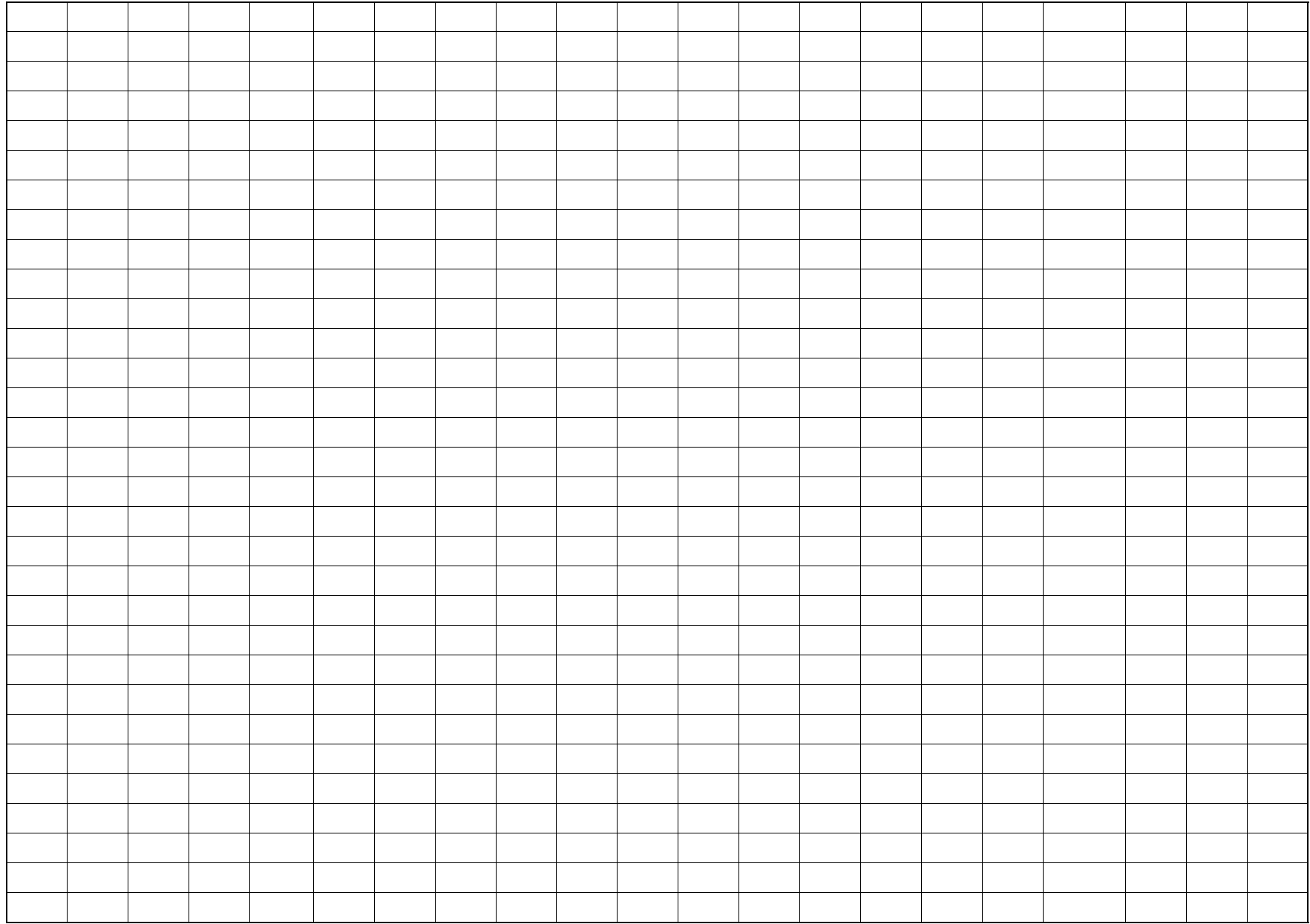




















## Participant B

Piping System	LOCA Category (gpm)	Base Case	LOCA Frequency for S	
			5% LB (cal-yr <sup>-1</sup> )	Mid Value (cal-yr <sup>-1</sup> )
Recirculation	1 (> 100)	BWR-1	8.00E-06	8.00E-06
	2 (> 1,500)		4.00E-06	4.00E-06
	3 (> 5,000)		2.00E-06	2.00E-06
	4 (> 25,000)		1.00E-06	1.00E-06
	5 (> 100,000)		5.00E-07	5.00E-07
	6 (> 500,000)			
Feed Water	1 (> 100)	BWR-2	2.00E-06	2.00E-06
	2 (> 1,500)		7.00E-07	7.00E-07
	3 (> 5,000)		2.45E-07	2.45E-07
	4 (> 25,000)		8.58E-08	8.58E-08
	5 (> 100,000)		3.00E-08	3.00E-08
	6 (> 500,000)			
Steam Line	1 (> 100)	BWR-2	2.00E-06	2.00E-06
	2 (> 1,500)		7.00E-07	7.00E-07
	3 (> 5,000)		2.45E-07	2.45E-07
	4 (> 25,000)		8.58E-08	8.58E-08
	5 (> 100,000)		3.00E-08	3.00E-08
	6 (> 500,000)			
High Pressure Core Spray Lines	1 (> 100)	BWR-2	2.00E-06	2.00E-06
	2 (> 1,500)		7.00E-07	7.00E-07
	3 (> 5,000)		2.45E-07	2.45E-07
	4 (> 25,000)		8.58E-08	8.58E-08

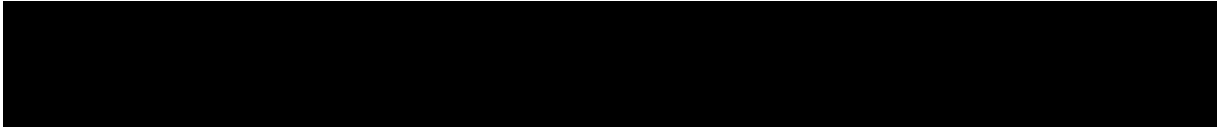
	5 (> 100,000)			
	6 (> 500,000)			
Low Pressure Core Spray Lines	1 (> 100)	BWR-2	2.00E-06	2.00E-06
	2 (> 1,500)		7.00E-07	7.00E-07
	3 (> 5,000)		2.45E-07	2.45E-07
	4 (> 25,000)		8.58E-08	8.58E-08
	5 (> 100,000)			
	6 (> 500,000)			
Residual Heat Removal System	1 (> 100)	BWR-2	2.00E-06	2.00E-06
	2 (> 1,500)		7.00E-07	7.00E-07
	3 (> 5,000)		2.45E-07	2.45E-07
	4 (> 25,000)		8.58E-08	8.58E-08
	5 (> 100,000)		3.00E-08	3.00E-08
	6 (> 500,000)			
Reactor Water Cleanup System	1 (> 100)	BWR-2	2.00E-06	2.00E-06
	2 (> 1,500)		7.00E-07	7.00E-07
	3 (> 5,000)		2.45E-07	2.45E-07
	4 (> 25,000)		8.58E-08	8.58E-08
	5 (> 100,000)		3.00E-08	3.00E-08
	6 (> 500,000)			
Control Rod Drive Piping	1 (> 100)	BWR-1	8.00E-06	8.00E-06
	2 (> 1,500)		4.00E-06	4.00E-06
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			

<b>Standby Liquid Control Lines</b>	<b>1 (&gt; 100)</b>	<b>BWR-2</b>	<b>2.00E-06</b>	<b>2.00E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>7.00E-07</b>	<b>7.00E-07</b>
	<b>3 (&gt; 5,000)</b>		<b>2.45E-07</b>	<b>2.45E-07</b>
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Instrumentation Lines</b>	<b>1 (&gt; 100)</b>	<b>BWR-1</b>	<b>8.00E-06</b>	<b>8.00E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>4.00E-06</b>	<b>4.00E-06</b>
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Drain Lines</b>	<b>1 (&gt; 100)</b>	<b>BWR-1</b>	<b>8.00E-06</b>	<b>8.00E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>4.00E-06</b>	<b>4.00E-06</b>
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Head Spray</b>	<b>1 (&gt; 100)</b>	<b>BWR-1</b>	<b>8.00E-06</b>	<b>8.00E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>4.00E-06</b>	<b>4.00E-06</b>
	<b>3 (&gt; 5,000)</b>		<b>2.00E-06</b>	<b>2.00E-06</b>
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
	<b>1 (&gt; 100)</b>	<b>BWR-1</b>	<b>8.00E-06</b>	<b>8.00E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>4.00E-06</b>	<b>4.00E-06</b>

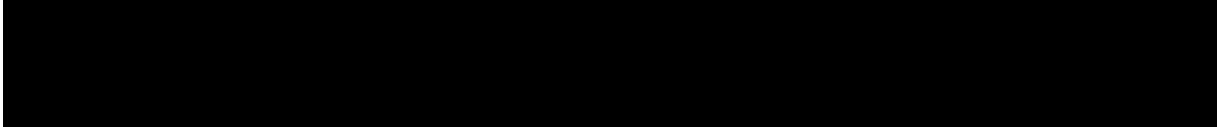
<b>Safety Relief Valve Lines</b>	<b>3 (&gt; 5,000)</b>		<b>2.00E-06</b>	<b>2.00E-06</b>
	<b>4 (&gt; 25,000)</b>		<b>1.00E-06</b>	<b>1.00E-06</b>
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Reactor Core Isolation Cooling Lines</b>	<b>1 (&gt; 100)</b>	<b>BWR-2</b>	<b>2.00E-06</b>	<b>2.00E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>7.00E-07</b>	<b>7.00E-07</b>
	<b>3 (&gt; 5,000)</b>		<b>2.45E-07</b>	<b>2.45E-07</b>
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			

<b>LOCA Category (gpm)</b>				
<b>1</b>				
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				
<b>6</b>				

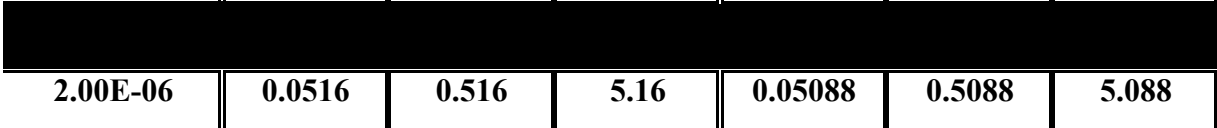
System	25 Years of Plant Operation			40 Years of Plant Operation			
	5% UB (cal yr <sup>-1</sup> )	5% LB Ratio	Mid Value Ratio	5% UB Ratio	5% LB Ratio	Mid Value Ratio	5% UB Ratio
8.00E-06	0.1	1	10	0.0056	0.056	0.56	
4.00E-06	0.1	1	10	0.0056	0.056	0.56	
2.00E-06	0.1	1	10	0.0056	0.056	0.56	
1.00E-06	0.1	1	10	0.056	0.56	5.6	
5.00E-07	0.1	1	10	0.056	0.56	5.6	
2.00E-06	0.1	1	10	0.1	1	10	
7.00E-07	0.15	1.5	15	0.15	1.5	15	
2.45E-07	0.2	2	20	0.2	2	20	
8.58E-08	0.2	2	20	0.2	2	20	
3.00E-08	0.2	2	20	0.2	2	20	
2.00E-06	0.08	0.8	8	0.08	0.8	8	
7.00E-07	0.08	0.8	8	0.08	0.8	8	
2.45E-07	0.08	0.8	8	0.08	0.8	8	
8.58E-08	0.08	0.8	8	0.08	0.8	8	
3.00E-08	0.08	0.8	8	0.08	0.8	8	
2.00E-06	0.02	0.2	2	0.02	0.2	2	
7.00E-07	0.02	0.2	2	0.02	0.2	2	
2.45E-07	0.02	0.2	2	0.02	0.2	2	
8.58E-08	0.02	0.2	2	0.02	0.2	2	



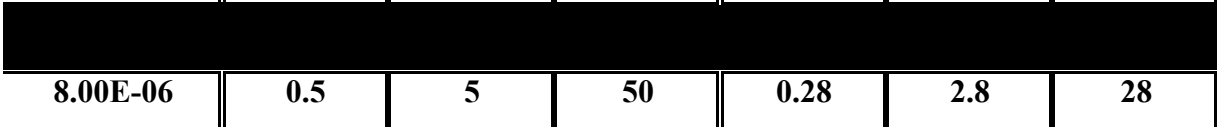
<b>2.00E-06</b>	<b>0.0316</b>	<b>0.316</b>	<b>3.16</b>	<b>0.03088</b>	<b>0.3088</b>	<b>3.088</b>
<b>7.00E-07</b>	<b>0.03228</b>	<b>0.3228</b>	<b>3.228</b>	<b>0.03128</b>	<b>0.3128</b>	<b>3.128</b>
<b>2.45E-07</b>	<b>0.03328</b>	<b>0.3328</b>	<b>3.328</b>	<b>0.03184</b>	<b>0.3184</b>	<b>3.184</b>
<b>8.58E-08</b>	<b>0.03464</b>	<b>0.3464</b>	<b>3.464</b>	<b>0.0326</b>	<b>0.326</b>	<b>3.26</b>



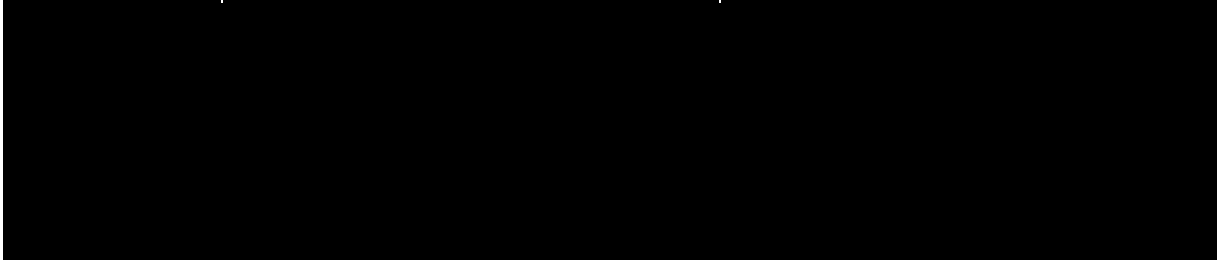
<b>2.00E-06</b>	<b>0.0516</b>	<b>0.516</b>	<b>5.16</b>	<b>0.05088</b>	<b>0.5088</b>	<b>5.088</b>
<b>7.00E-07</b>	<b>0.05228</b>	<b>0.5228</b>	<b>5.228</b>	<b>0.05128</b>	<b>0.5128</b>	<b>5.128</b>
<b>2.45E-07</b>	<b>0.05328</b>	<b>0.5328</b>	<b>5.328</b>	<b>0.05184</b>	<b>0.5184</b>	<b>5.184</b>
<b>8.58E-08</b>	<b>0.05464</b>	<b>0.5464</b>	<b>5.464</b>	<b>0.0526</b>	<b>0.526</b>	<b>5.26</b>
<b>3.00E-08</b>	<b>0.05668</b>	<b>0.5668</b>	<b>5.668</b>	<b>0.05376</b>	<b>0.5376</b>	<b>5.376</b>



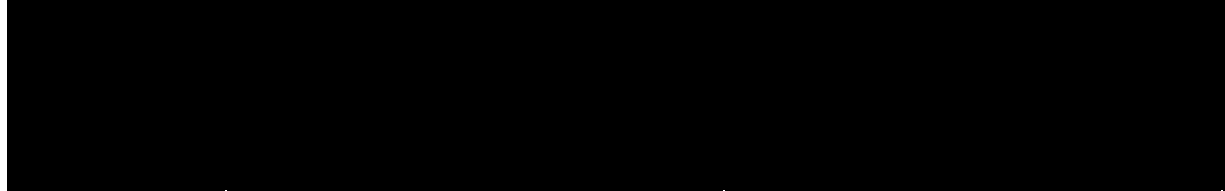
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<b>7.00E-07</b>	<b>0.05228</b>	<b>0.5228</b>	<b>5.228</b>	<b>0.05128</b>	<b>0.5128</b>	<b>5.128</b>
<b>2.45E-07</b>	<b>0.05328</b>	<b>0.5328</b>	<b>5.328</b>	<b>0.05184</b>	<b>0.5184</b>	<b>5.184</b>
<b>8.58E-08</b>	<b>0.05464</b>	<b>0.5464</b>	<b>5.464</b>	<b>0.0526</b>	<b>0.526</b>	<b>5.26</b>
<b>3.00E-08</b>	<b>0.05668</b>	<b>0.5668</b>	<b>5.668</b>	<b>0.05376</b>	<b>0.5376</b>	<b>5.376</b>



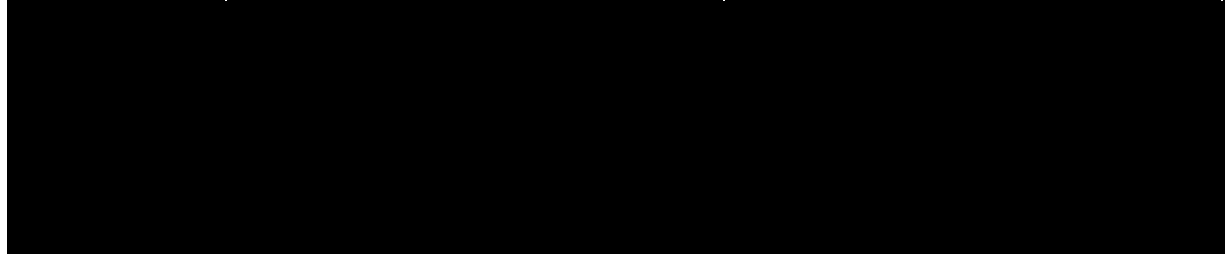
<b>8.00E-06</b>	<b>0.5</b>	<b>5</b>	<b>50</b>	<b>0.28</b>	<b>2.8</b>	<b>28</b>
<b>4.00E-06</b>	<b>0.5</b>	<b>5</b>	<b>50</b>	<b>0.28</b>	<b>2.8</b>	<b>28</b>



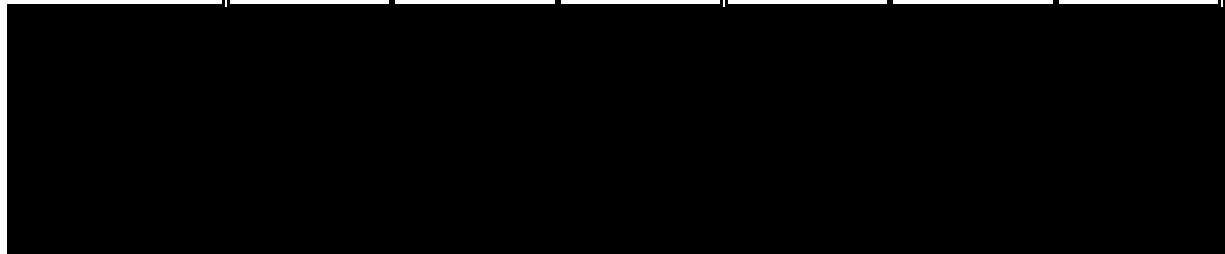
<b>2.00E-06</b>	<b>0.025</b>	<b>0.25</b>	<b>2.5</b>	<b>0.025</b>	<b>0.25</b>	<b>2.5</b>
<b>7.00E-07</b>	<b>0.025</b>	<b>0.25</b>	<b>2.5</b>	<b>0.025</b>	<b>0.25</b>	<b>2.5</b>
<b>2.45E-07</b>	<b>0.025</b>	<b>0.25</b>	<b>2.5</b>	<b>0.025</b>	<b>0.25</b>	<b>2.5</b>



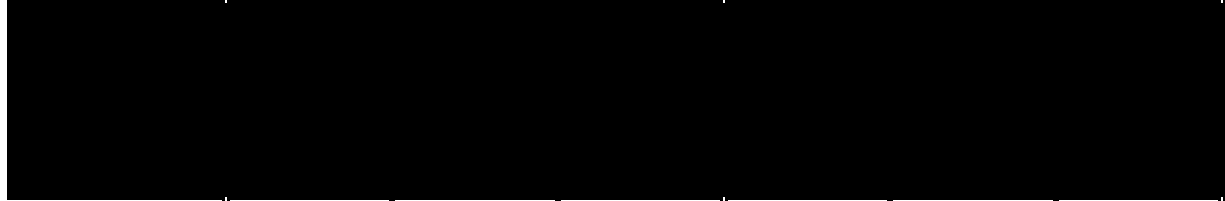
<b>8.00E-06</b>	<b>1</b>	<b>10</b>	<b>100</b>	<b>1.008</b>	<b>10.08</b>	<b>100.8</b>
<b>4.00E-06</b>	<b>0.5</b>	<b>5</b>	<b>50</b>	<b>0.504</b>	<b>5.04</b>	<b>50.4</b>



<b>8.00E-06</b>	<b>1</b>	<b>10</b>	<b>100</b>	<b>1.008</b>	<b>10.08</b>	<b>100.8</b>
<b>4.00E-06</b>	<b>0.5</b>	<b>5</b>	<b>50</b>	<b>0.504</b>	<b>5.04</b>	<b>50.4</b>



<b>8.00E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.0056</b>	<b>0.056</b>	<b>0.56</b>
<b>4.00E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.0056</b>	<b>0.056</b>	<b>0.56</b>
<b>2.00E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.0056</b>	<b>0.056</b>	<b>0.56</b>



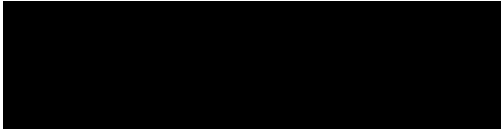
<b>8.00E-06</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.028</b>	<b>0.28</b>	<b>2.8</b>
<b>4.00E-06</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.028</b>	<b>0.28</b>	<b>2.8</b>



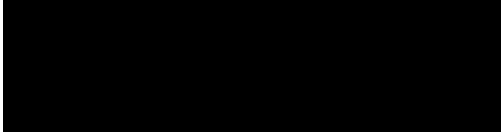


**60 Years of Plant Operation**

<b>5% LB Ratio</b>	<b>Mid Value Ratio</b>	<b>5% UB Ratio</b>
<b>0.0044</b>	<b>0.044</b>	<b>0.44</b>
<b>0.0044</b>	<b>0.044</b>	<b>0.44</b>
<b>0.0044</b>	<b>0.044</b>	<b>0.44</b>
<b>0.044</b>	<b>0.44</b>	<b>4.4</b>
<b>0.044</b>	<b>0.44</b>	<b>4.4</b>
<b> </b>		
<b>0.1</b>	<b>1</b>	<b>10</b>
<b>0.15</b>	<b>1.5</b>	<b>15</b>
<b>0.2</b>	<b>2</b>	<b>20</b>
<b>0.2</b>	<b>2</b>	<b>20</b>
<b>0.2</b>	<b>2</b>	<b>20</b>
<b> </b>		
<b>0.08</b>	<b>0.8</b>	<b>8</b>
<b>0.08</b>	<b>0.8</b>	<b>8</b>
<b>0.08</b>	<b>0.8</b>	<b>8</b>
<b>0.08</b>	<b>0.8</b>	<b>8</b>
<b>0.08</b>	<b>0.8</b>	<b>8</b>
<b> </b>		
<b>0.02</b>	<b>0.2</b>	<b>2</b>
<b>0.02</b>	<b>0.2</b>	<b>2</b>
<b>0.02</b>	<b>0.2</b>	<b>2</b>
<b>0.02</b>	<b>0.2</b>	<b>2</b>



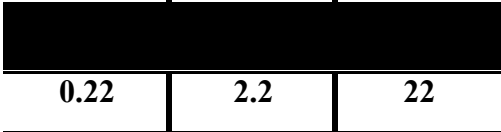
<b>0.03072</b>	<b>0.3072</b>	<b>3.072</b>
<b>0.031</b>	<b>0.31</b>	<b>3.1</b>
<b>0.03144</b>	<b>0.3144</b>	<b>3.144</b>
<b>0.03204</b>	<b>0.3204</b>	<b>3.204</b>



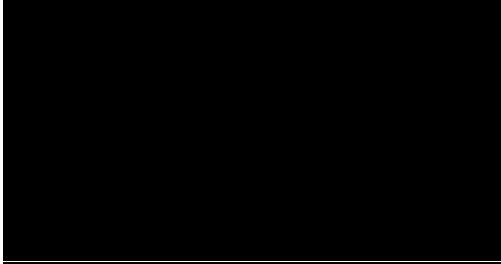
<b>0.05072</b>	<b>0.5072</b>	<b>5.072</b>
<b>0.051</b>	<b>0.51</b>	<b>5.1</b>
<b>0.05144</b>	<b>0.5144</b>	<b>5.144</b>
<b>0.05204</b>	<b>0.5204</b>	<b>5.204</b>
<b>0.05296</b>	<b>0.5296</b>	<b>5.296</b>



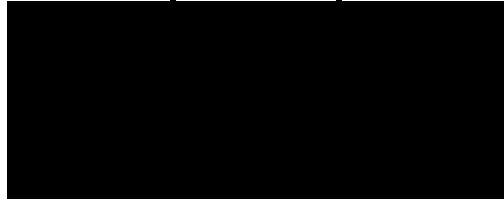
<b>0.05072</b>	<b>0.5072</b>	<b>5.072</b>
<b>0.051</b>	<b>0.51</b>	<b>5.1</b>
<b>0.05144</b>	<b>0.5144</b>	<b>5.144</b>
<b>0.05204</b>	<b>0.5204</b>	<b>5.204</b>
<b>0.05296</b>	<b>0.5296</b>	<b>5.296</b>



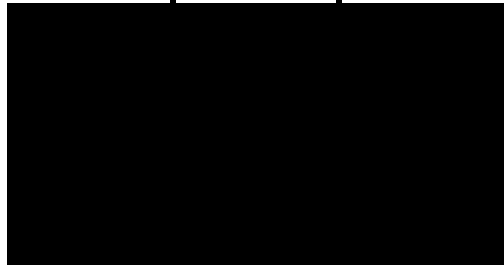
<b>0.22</b>	<b>2.2</b>	<b>22</b>
<b>0.22</b>	<b>2.2</b>	<b>22</b>



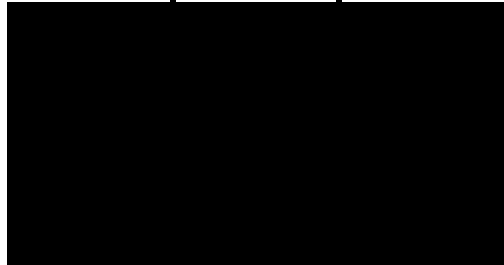
<b>0.025</b>	<b>0.25</b>	<b>2.5</b>
<b>0.025</b>	<b>0.25</b>	<b>2.5</b>
<b>0.025</b>	<b>0.25</b>	<b>2.5</b>



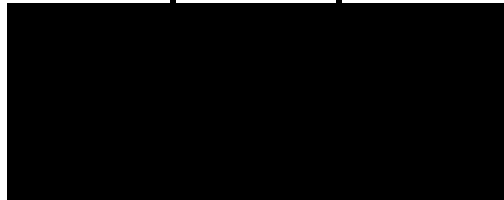
<b>1.056</b>	<b>10.56</b>	<b>105.6</b>
<b>0.528</b>	<b>5.28</b>	<b>52.8</b>



<b>1.056</b>	<b>10.56</b>	<b>105.6</b>
<b>0.528</b>	<b>5.28</b>	<b>52.8</b>



<b>0.0044</b>	<b>0.044</b>	<b>0.44</b>
<b>0.0044</b>	<b>0.044</b>	<b>0.44</b>
<b>0.0044</b>	<b>0.044</b>	<b>0.44</b>



<b>0.022</b>	<b>0.22</b>	<b>2.2</b>
<b>0.022</b>	<b>0.22</b>	<b>2.2</b>



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]

































































### Participant C

Piping System	LOCA Category (gpm)	Base Case	LOCA Frequency for S	
			5% LB (cal-yr <sup>-1</sup> )	Mid Value (cal-yr <sup>-1</sup> )
Recirculation	1 (> 100)	Dave Harris modified	1.00E-03	1.00E-03
	2 (> 1,500)		6.00E-04	6.00E-04
	3 (> 5,000)		5.00E-04	5.00E-04
	4 (> 25,000)		4.00E-04	4.00E-04
	5 (> 100,000)		3.00E-06	3.00E-06
	6 (> 500,000)			
Feed Water	1 (> 100)	Dave Harris modified	6.00E-05	6.00E-05
	2 (> 1,500)		5.00E-06	5.00E-06
	3 (> 5,000)		2.00E-06	2.00E-06
	4 (> 25,000)		3.00E-07	3.00E-07
	5 (> 100,000)			
	6 (> 500,000)			
Steam Line	1 (> 100)	Dave Harris modified	6.00E-07	6.00E-07
	2 (> 1,500)		5.00E-08	5.00E-08
	3 (> 5,000)		2.00E-08	2.00E-08
	4 (> 25,000)		3.00E-09	3.00E-09
	5 (> 100,000)		8.00E-10	8.00E-10
	6 (> 500,000)			
High Pressure Core Spray Lines	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			

	5 (> 100,000)			
	6 (> 500,000)			
Low Pressure Core Spray Lines	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Residual Heat Removal System	1 (> 100)	Dave Harris modified	6.00E-05	6.00E-05
	2 (> 1,500)		5.00E-06	5.00E-06
	3 (> 5,000)		2.00E-06	2.00E-06
	4 (> 25,000)		3.00E-07	3.00E-07
	5 (> 100,000)		3.00E-07	3.00E-07
	6 (> 500,000)			
Reactor Water Cleanup System	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Control Rod Drive Piping	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			



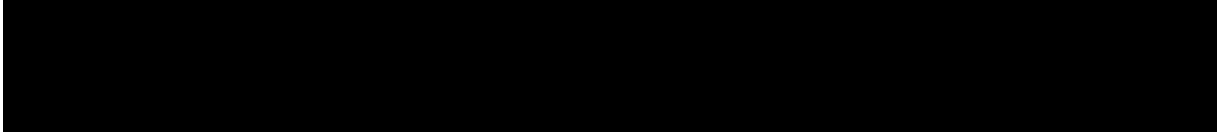
<b>Standby Liquid Control Lines</b>	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
<b>Instrumentation Lines</b>	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
<b>Drain Lines</b>	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
<b>Head Spray</b>	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
	1 (> 100)			
	2 (> 1,500)			

<b>Safety Relief Valve Lines</b>	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
<b>Reactor Core Isolation Cooling Lines</b>	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			

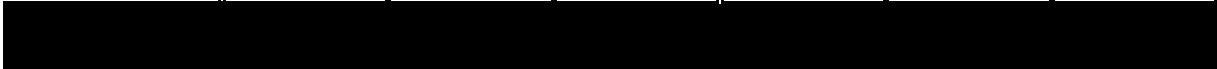
<b>LOCA Category (gpm)</b>				
1				
2				
3				
4				
5				
6				

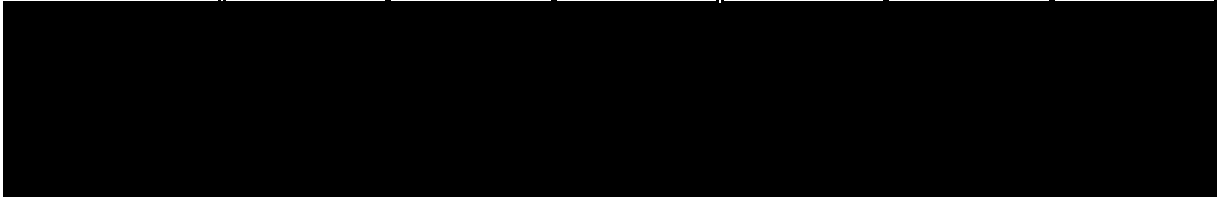
System	25 Years of Plant Operation			40 Years of Plant Operation		
	5% UB (cal yr <sup>-1</sup> )	5% LB Ratio	Mid Value Ratio	5% UB Ratio	5% LB Ratio	Mid Value Ratio
1.00E-03	0.05	1	10	0.015	0.3	3
6.00E-04	0.04	1	10	0.0133333	0.3333333	3.3333333
5.00E-04	0.04	1	20	0.016	0.4	8
4.00E-04	0.03	1	20	0.015	0.5	10
3.00E-06	0.03	1	30	0.04	1.3333333	40
6.00E-05	0.05	1	10	0.05	1	10
5.00E-06	0.04	1	10	0.04	1	10
2.00E-06	0.04	1	20	0.04	1	20
3.00E-07	0.03	1	20	0.05	1.6666667	33.333333
6.00E-07	0.05	1	10	0.05	1	10
5.00E-08	0.04	1	10	0.04	1	10
2.00E-08	0.04	1	20	0.04	1	20
3.00E-09	0.03	1	20	0.05	1.6666667	33.333333
8.00E-10	0.03	1	30	0.05	2.5	75

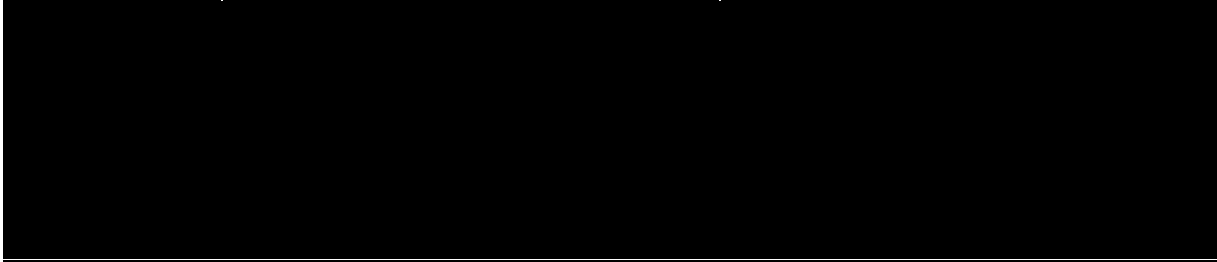


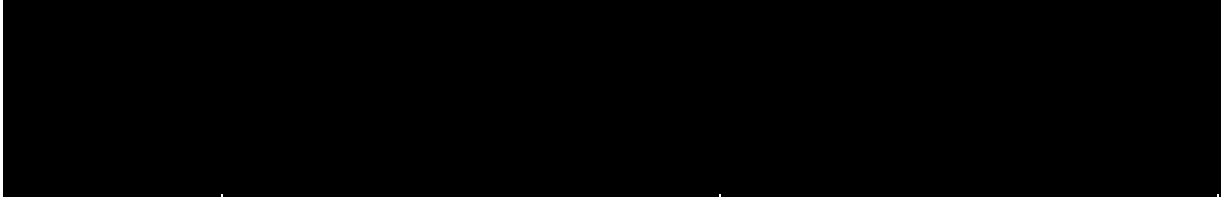



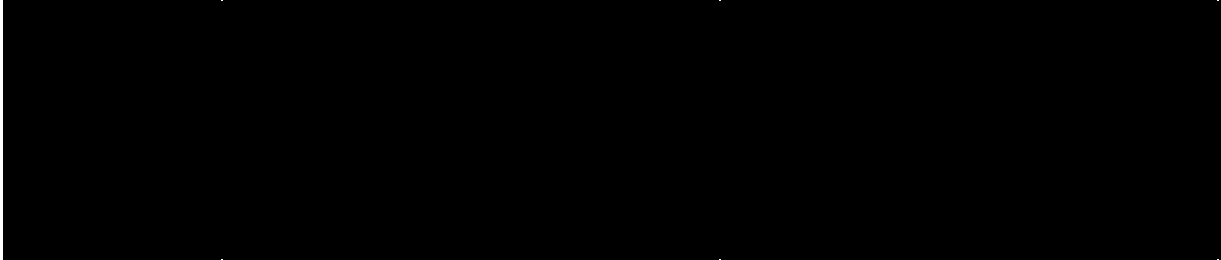
<b>6.00E-05</b>	<b>0.05</b>	<b>1</b>	<b>10</b>	<b>0.05</b>	<b>1</b>	<b>10</b>
<b>5.00E-06</b>	<b>0.04</b>	<b>1</b>	<b>10</b>	<b>0.04</b>	<b>1</b>	<b>10</b>
<b>2.00E-06</b>	<b>0.04</b>	<b>1</b>	<b>20</b>	<b>0.04</b>	<b>1</b>	<b>20</b>
<b>3.00E-07</b>	<b>0.03</b>	<b>1</b>	<b>20</b>	<b>0.05</b>	<b>1.6666667</b>	<b>33.333333</b>
<b>3.00E-07</b>	<b>0.03</b>	<b>1</b>	<b>30</b>	<b>0.05</b>	<b>1.6666667</b>	<b>50</b>

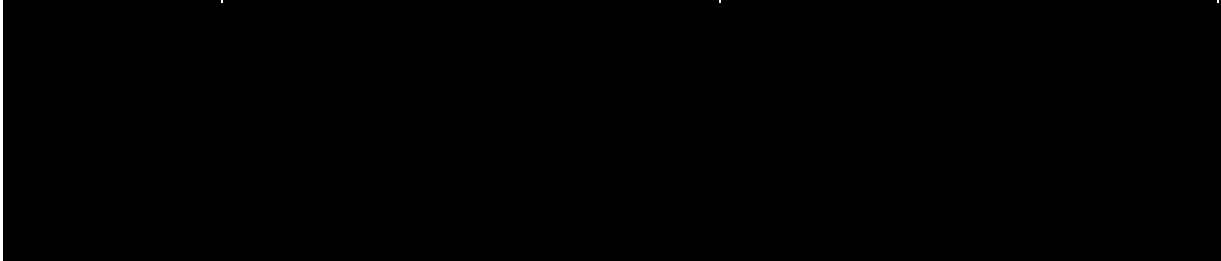


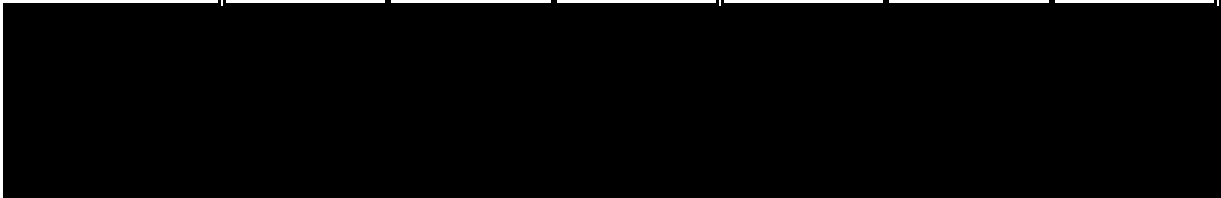



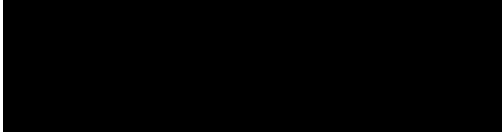





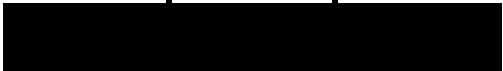

**60 Years of Plant Operation**

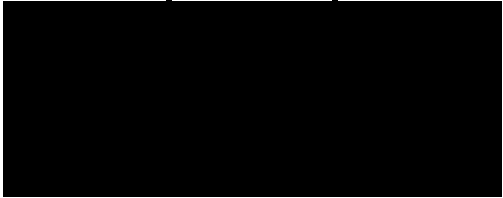
<b>5% LB Ratio</b>	<b>Mid Value Ratio</b>	<b>5% UB Ratio</b>
0.0035	0.07	0.7
0.004	0.1	1
0.0048	0.12	2.4
0.0045	0.15	3
0.04	1.3333333	40
<b>[REDACTED]</b>		
0.05	1	10
0.056	1.4	14
0.06	1.5	30
0.08	2.6666667	53.333333
<b>[REDACTED]</b>		
0.05	1	10
0.056	1.4	14
0.06	1.5	30
0.08	2.6666667	53.333333
0.08	3.75	112.5
<b>[REDACTED]</b>		

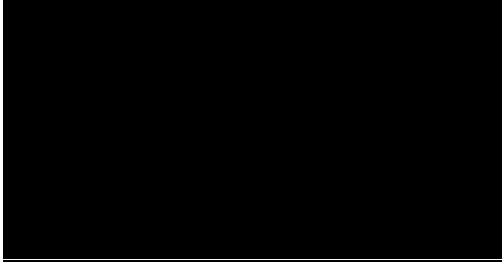


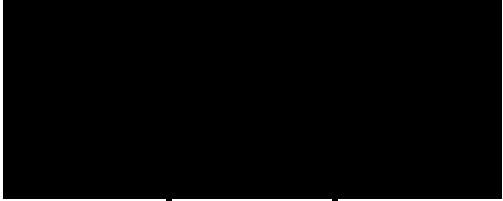
<b>0.05</b>	<b>1</b>	<b>10</b>
<b>0.056</b>	<b>1.4</b>	<b>14</b>
<b>0.06</b>	<b>1.5</b>	<b>30</b>
<b>0.08</b>	<b>2.6666667</b>	<b>53.333333</b>
<b>0.08</b>	<b>2.6666667</b>	<b>80</b>



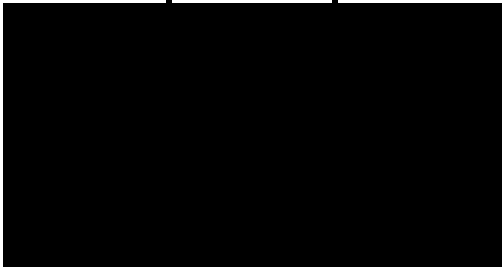



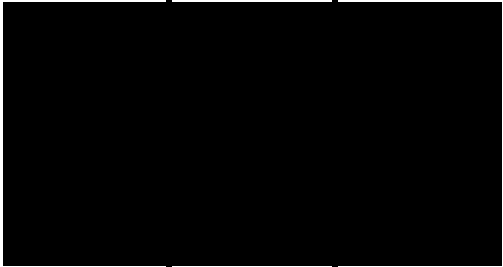


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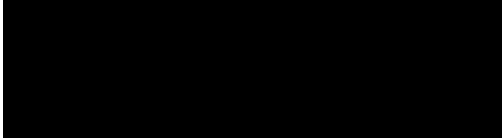


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### Participant D

Piping System	LOCA Category (gpm)	Base Case	LOCA Frequency for S	
			5% LB (cal-yr <sup>-1</sup> )	Mid Value (cal-yr <sup>-1</sup> )
Recirculation	1 (> 100)	Bengt Lydell's BWR-1 values for LOCA cat. 1 @ 25 years.	3.17E-06	9.50E-06
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)		1.53E-07	4.60E-07
	4 (> 25,000)		5.00E-08	1.50E-07
	5 (> 100,000)		1.00E-08	3.00E-08
	6 (> 500,000)			
Feed Water	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Steam Line	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
High Pressure Core Spray Lines	1 (> 100)	Percent contribution	3.17E-06	9.50E-06
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)		1.53E-07	4.60E-07
	4 (> 25,000)		5.00E-08	1.50E-07

	5 (> 100,000)			
	6 (> 500,000)			
Low Pressure Core Spray Lines	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Residual Heat Removal System	1 (> 100)	Percent contribution	3.17E-06	9.50E-06
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)		1.53E-07	4.60E-07
	4 (> 25,000)		5.00E-08	1.50E-07
	5 (> 100,000)		1.00E-08	3.00E-08
	6 (> 500,000)			
Reactor Water Cleanup System	1 (> 100)	Percent contribution	3.17E-06	9.50E-06
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)		1.53E-07	4.60E-07
	4 (> 25,000)		5.00E-08	1.50E-07
	5 (> 100,000)			
	6 (> 500,000)			
Control Rod Drive Piping	1 (> 100)	Percent contribution	3.17E-06	9.50E-06
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)		1.53E-07	4.60E-07
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			

<b>Standby Liquid Control Lines</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Instrumentation Lines</b>	<b>1 (&gt; 100)</b>	<b>Percent contribution</b>	<b>3.17E-06</b>	<b>9.50E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>4.00E-07</b>	<b>1.20E-06</b>
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Drain Lines</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Head Spray</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			

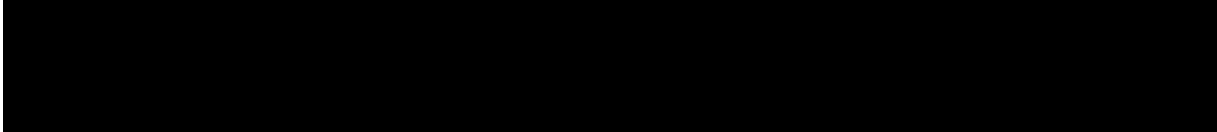
<b>Safety Relief Valve Lines</b>	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Reactor Core Isolation Cooling Lines</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			

<b>LOCA Category (gpm)</b>				
<b>1</b>				
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				
<b>6</b>				

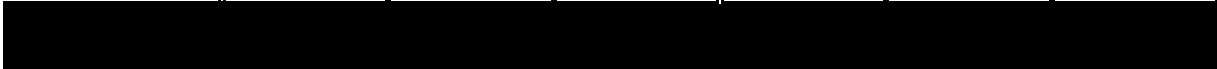
System	25 Years of Plant Operation			40 Years of Plant Operation		
	5% UB (cal yr <sup>-1</sup> )	5% LB Ratio	Mid Value Ratio	5% UB Ratio	5% LB Ratio	Mid Value Ratio
2.85E-05	1.5	2	2.5	2	2.5	3
3.60E-06	1.5	2	2.5	2	2.5	3
1.38E-06	1.5	2	2.5	2	2.5	3
4.50E-07	1.5	2	2.5	2	2.5	3
9.00E-08	1.5	2	2.5	2	2.5	3
2.85E-05	0.9	1.2	1.5	1.5	1.875	2.25
3.60E-06	0.9	1.2	1.5	1.5	1.875	2.25
1.38E-06	0.6428571	0.8571429	1.0714286	1	1.25	1.5
4.50E-07	0.6428571	0.8571429	1.0714286	1	1.25	1.5





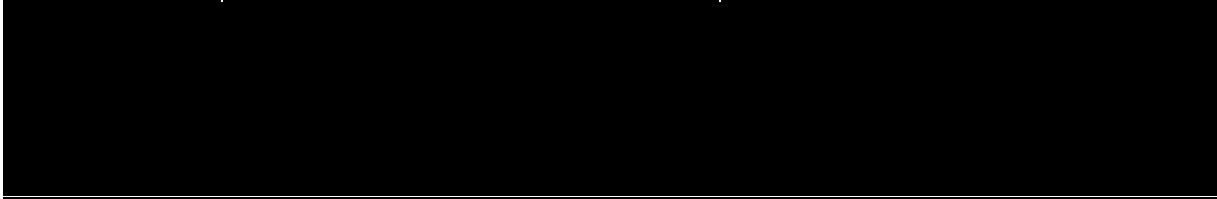
<b>2.85E-05</b>	<b>0.9</b>	<b>1.2</b>	<b>1.5</b>	<b>1.5</b>	<b>1.875</b>	<b>2.25</b>
<b>3.60E-06</b>	<b>0.9</b>	<b>1.2</b>	<b>1.5</b>	<b>1.5</b>	<b>1.875</b>	<b>2.25</b>
<b>1.38E-06</b>	<b>0.6428571</b>	<b>0.8571429</b>	<b>1.0714286</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>
<b>4.50E-07</b>	<b>0.6428571</b>	<b>0.8571429</b>	<b>1.0714286</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>
<b>9.00E-08</b>	<b>0.6428571</b>	<b>0.8571429</b>	<b>1.0714286</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>

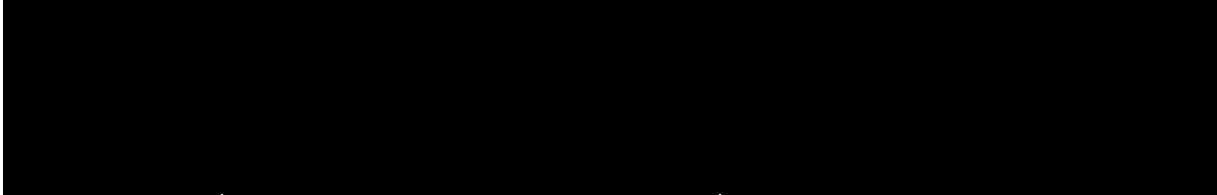


<b>2.85E-05</b>	<b>0.9</b>	<b>1.2</b>	<b>1.5</b>	<b>1.5</b>	<b>1.875</b>	<b>2.25</b>
<b>3.60E-06</b>	<b>0.9</b>	<b>1.2</b>	<b>1.5</b>	<b>1.5</b>	<b>1.875</b>	<b>2.25</b>
<b>1.38E-06</b>	<b>0.6428571</b>	<b>0.8571429</b>	<b>1.0714286</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>
<b>4.50E-07</b>	<b>0.6428571</b>	<b>0.8571429</b>	<b>1.0714286</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>

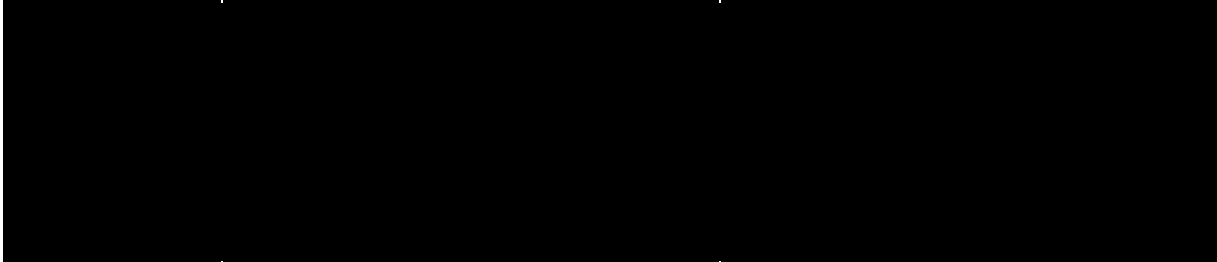


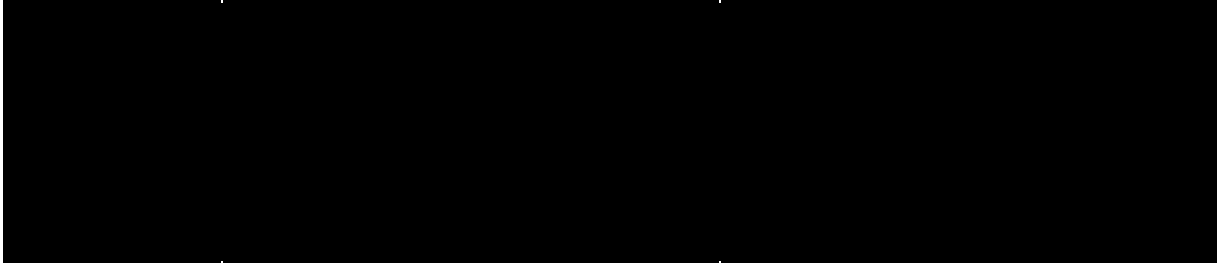
<b>2.85E-05</b>	<b>0.6</b>	<b>0.8</b>	<b>1</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>
<b>3.60E-06</b>	<b>0.6</b>	<b>0.8</b>	<b>1</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>
<b>1.38E-06</b>	<b>0.2142857</b>	<b>0.2857143</b>	<b>0.3571429</b>	<b>0.3333333</b>	<b>0.4166667</b>	<b>0.5</b>

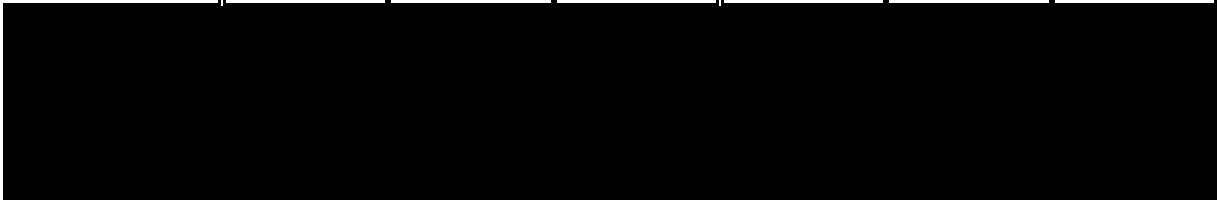


<b>2.85E-05</b>	<b>0.6</b>	<b>0.8</b>	<b>1</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>
<b>3.60E-06</b>	<b>0.6</b>	<b>0.8</b>	<b>1</b>	<b>1</b>	<b>1.25</b>	<b>1.5</b>





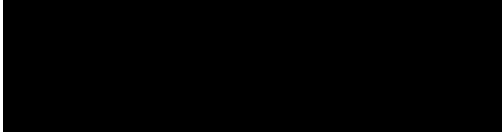
**Summary of Relative Contributions**

	25 Years of Plant Operation			40 Years of Plant Operation		
	5% LB (%)	Mid Value (%)	5% UB (%)	5% LB (%)	Mid Value (%)	5% UB (%)
	70	90	95	65	85	90
	70	90	95	65	85	90
	65	80	90	60	75	85
	65	80	90	60	75	85
	65	80	90	60	75	85
	100	100	100	100	100	100

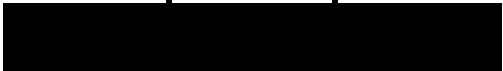
**60 Years of Plant Operation**

<b>5% LB Ratio</b>	<b>Mid Value Ratio</b>	<b>5% UB Ratio</b>
2.5	3	3.5
2.5	3	3.5
2.5	3	3.5
2.5	3	3.5
2.5	3	3.5
2.5	3	3.5
2.5	3	3.5
1.25	1.5	1.75
1.25	1.5	1.75



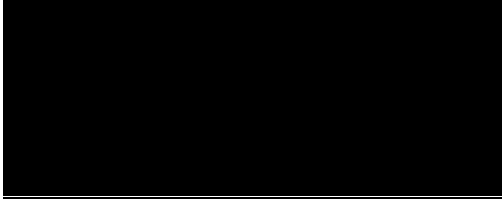
2.5	3	3.5
2.5	3	3.5
1.25	1.5	1.75
1.25	1.5	1.75
1.25	1.5	1.75

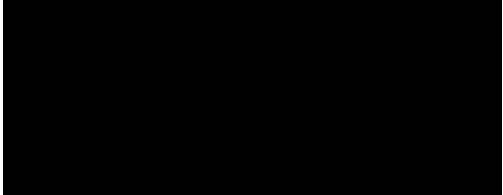


2.5	3	3.5
2.5	3	3.5
1.25	1.5	1.75
1.25	1.5	1.75



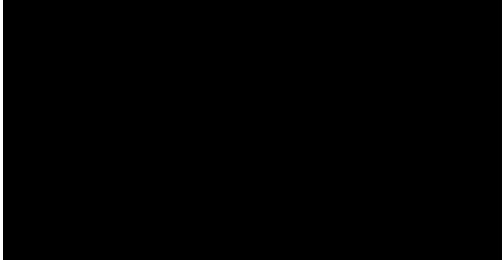
1.6666667	2	2.3333333
1.6666667	2	2.3333333
0.4166667	0.5	0.5833333

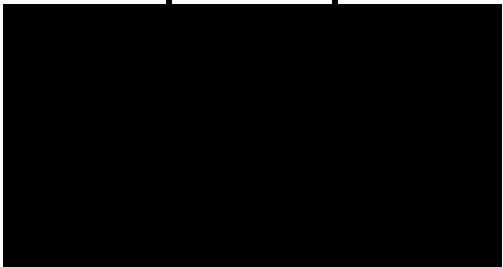


1.6666667	2	2.3333333
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1.6666667	2	2.3333333
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<b>60 Years of Plant Operation</b>		
<b>5% LB (%)</b>	<b>Mid Value (%)</b>	<b>5% UB (%)</b>
60	80	85
60	80	85
60	75	85
60	75	85
60	75	85
100	100	100





[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]





































































### Participant E

Piping System	LOCA Category (gpm)	Base Case	LOCA Frequency for S	
			5% LB (cal-yr <sup>-1</sup> )	Mid Value (cal-yr <sup>-1</sup> )
Recirculation	1 (> 100)	BWR-1, Lydell Base case	3.17E-06	9.50E-06
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)		1.53E-07	4.60E-07
	4 (> 25,000)		5.00E-08	1.50E-07
	5 (> 100,000)		1.00E-08	3.00E-08
	6 (> 500,000)		1.67E-09	5.00E-09
Feed Water	1 (> 100)	% contribution		
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)		1.53E-07	4.60E-07
	4 (> 25,000)		5.00E-08	1.50E-07
	5 (> 100,000)		1.00E-08	3.00E-08
	6 (> 500,000)		1.67E-09	5.00E-09
Steam Line	1 (> 100)	% contribution		
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
High Pressure Core Spray Lines	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			

	5 (> 100,000)			
	6 (> 500,000)			
Low Pressure Core Spray Lines	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Residual Heat Removal System	1 (> 100)	% contribution		
	2 (> 1,500)		4.00E-07	1.20E-06
	3 (> 5,000)		1.53E-07	4.60E-07
	4 (> 25,000)		5.00E-08	1.50E-07
	5 (> 100,000)		1.00E-08	3.00E-08
	6 (> 500,000)		1.67E-09	5.00E-09
Reactor Water Cleanup System	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Control Rod Drive Piping	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			

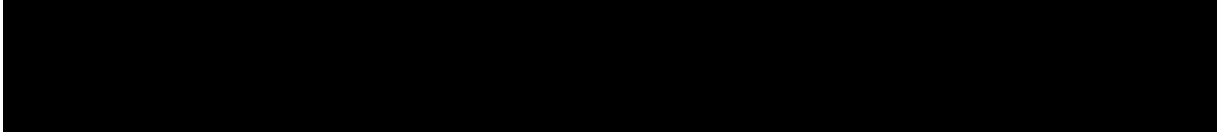
<b>Standby Liquid Control Lines</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Instrumentation Lines</b>	<b>1 (&gt; 100)</b>	<b>% contribution</b>	<b>3.17E-06</b>	<b>9.50E-06</b>
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Drain Lines</b>	<b>1 (&gt; 100)</b>	<b>% contribution</b>	<b>3.17E-06</b>	<b>9.50E-06</b>
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Head Spray</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			

<b>Safety Relief Valve Lines</b>	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Reactor Core Isolation Cooling Lines</b>	<b>1 (&gt; 100)</b>	<b>% contribution</b>		
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>		<b>1.53E-07</b>	<b>4.60E-07</b>
	<b>4 (&gt; 25,000)</b>		<b>5.00E-08</b>	<b>1.50E-07</b>
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			

<b>LOCA Category (gpm)</b>				
<b>1</b>				
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				
<b>6</b>				

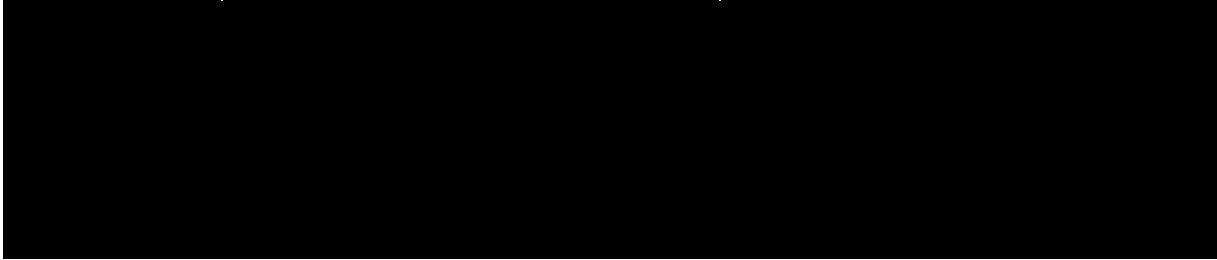


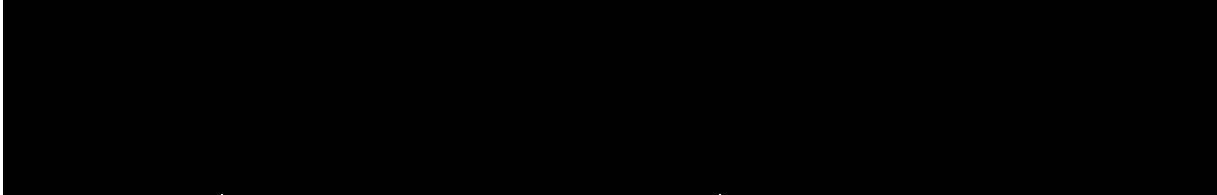


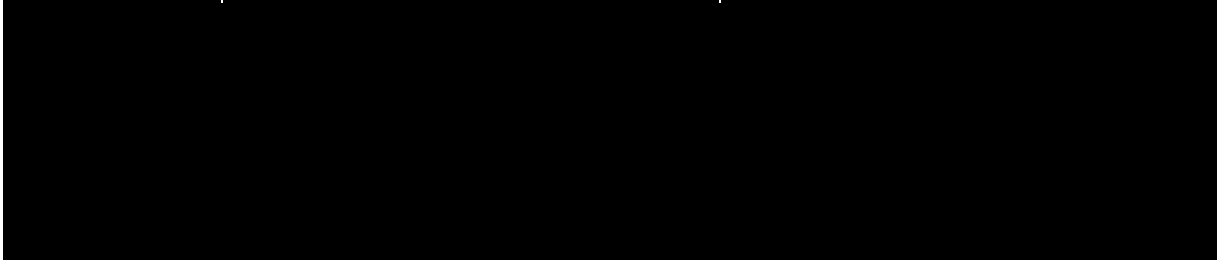
<b>3.60E-06</b>	<b>0.03</b>	<b>0.45</b>	<b>1.5</b>	<b>0.03</b>	<b>0.75</b>	<b>3</b>
<b>1.38E-06</b>	<b>0.004</b>	<b>0.2</b>	<b>1</b>	<b>0.0008</b>	<b>0.068</b>	<b>0.8</b>
<b>4.50E-07</b>	<b>0.0016</b>	<b>0.16</b>	<b>1.6</b>	<b>0.00024</b>	<b>0.052</b>	<b>1.2</b>
<b>9.00E-08</b>	<b>0.0003333</b>	<b>0.1</b>	<b>2.3333333</b>	<b>6.667E-05</b>	<b>0.0333333</b>	<b>1.6666667</b>
<b>1.50E-08</b>	<b>1.667E-06</b>	<b>0.0006667</b>	<b>0.0333333</b>	<b>3.333E-07</b>	<b>0.0002333</b>	<b>0.0233333</b>



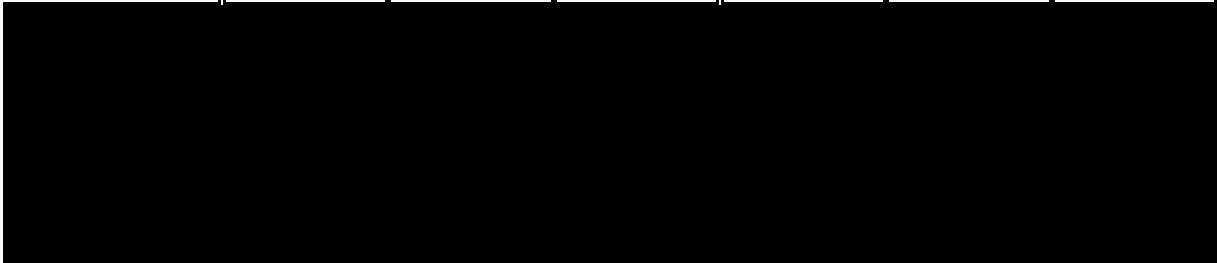



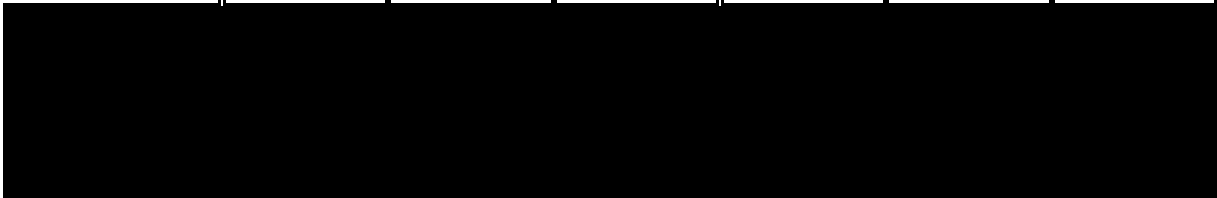



<b>2.85E-05</b>	<b>9.9</b>	<b>49.5</b>	<b>99</b>	<b>3.465</b>	<b>16.335</b>	<b>34.65</b>



<b>2.85E-05</b>	<b>9.9</b>	<b>49.5</b>	<b>99</b>	<b>3.465</b>	<b>16.335</b>	<b>34.65</b>




<b>1.38E-06</b>	<b>0.002</b>	<b>0.1</b>	<b>0.5</b>	<b>0.0004</b>	<b>0.034</b>	<b>0.4</b>
<b>4.50E-07</b>	<b>0.0008</b>	<b>0.08</b>	<b>0.8</b>	<b>0.00012</b>	<b>0.026</b>	<b>0.6</b>

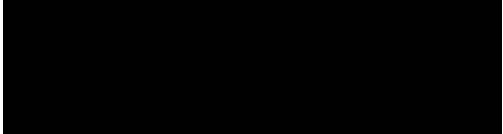
**Summary of Relative Contributions**

	<b>25 Years of Plant Operation</b>			<b>40 Years of Plant Operation</b>		
	<b>5% LB (%)</b>	<b>Mid Value (%)</b>	<b>5% UB (%)</b>	<b>5% LB (%)</b>	<b>Mid Value (%)</b>	<b>5% UB (%)</b>
	70	90	95	70	90	95
	60	80	90	60	80	90
	60	80	90	60	80	90
	60	80	90	60	80	90
	90	95	100	90	95	100
	90	95	100	90	95	100





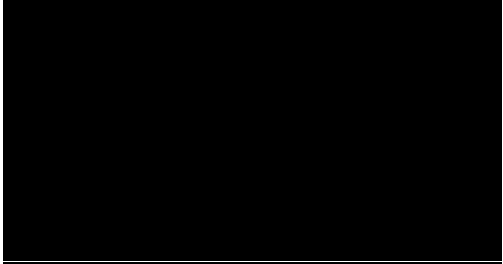


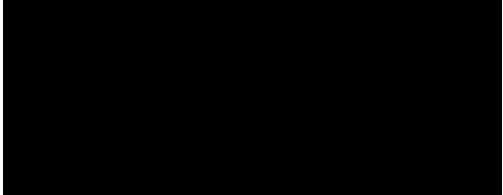



<b>0.03</b>	<b>0.75</b>	<b>3</b>
<b>0.0008</b>	<b>0.068</b>	<b>0.8</b>
<b>0.00024</b>	<b>0.052</b>	<b>1.2</b>
<b>6.667E-05</b>	<b>0.0333333</b>	<b>1.6666667</b>
<b>3.333E-07</b>	<b>0.0002333</b>	<b>0.0233333</b>



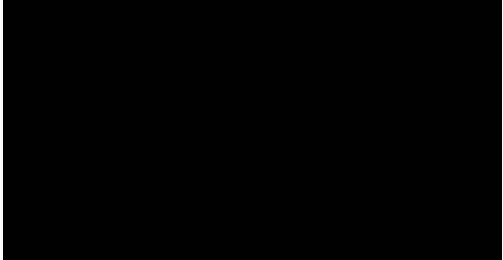




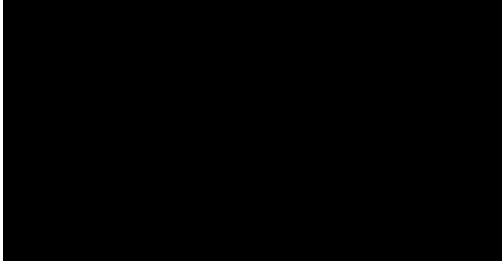
3.465	16.335	34.65
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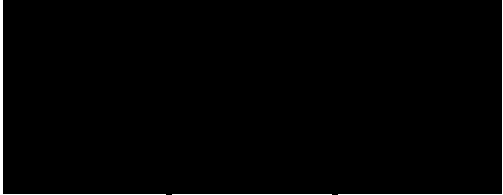
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3.465	16.335	34.65
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<b>0.0004</b>	<b>0.034</b>	<b>0.4</b>
<b>0.00012</b>	<b>0.026</b>	<b>0.6</b>

<b>60 Years of Plant Operation</b>		
<b>5% LB (%)</b>	<b>Mid Value (%)</b>	<b>5% UB (%)</b>
<b>70</b>	<b>90</b>	<b>95</b>
<b>60</b>	<b>80</b>	<b>90</b>
<b>60</b>	<b>80</b>	<b>90</b>
<b>60</b>	<b>80</b>	<b>90</b>
<b>90</b>	<b>95</b>	<b>100</b>
<b>90</b>	<b>95</b>	<b>100</b>

[REDACTED]

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[REDACTED]

[REDACTED]



































































## Participant F

Piping System	LOCA Category (gpm)	Base Case	LOCA Frequency for S	
			5% LB (cal-yr <sup>-1</sup> )	Mid Value (cal-yr <sup>-1</sup> )
Recirculation	1 (> 100)	geometric average of Bill and Bengt's updated base case estimates; EF = 3 on uncertainties	7.48E-06	2.24E-05
	2 (> 1,500)		1.46E-06	4.38E-06
	3 (> 5,000)		5.20E-07	1.56E-06
	4 (> 25,000)		1.63E-07	4.90E-07
	5 (> 100,000)		4.20E-08	1.26E-07
	6 (> 500,000)			
Feed Water	1 (> 100)	average Recirculation numbers above	7.48E-06	2.24E-05
	2 (> 1,500)		1.46E-06	4.38E-06
	3 (> 5,000)		5.20E-07	1.56E-06
	4 (> 25,000)		1.63E-07	4.90E-07
	5 (> 100,000)		4.20E-08	1.26E-07
	6 (> 500,000)			
Steam Line	1 (> 100)	average Recirculation numbers above	7.48E-06	2.24E-05
	2 (> 1,500)		1.46E-06	4.38E-06
	3 (> 5,000)		5.20E-07	1.56E-06
	4 (> 25,000)		1.63E-07	4.90E-07
	5 (> 100,000)		4.20E-08	1.26E-07
	6 (> 500,000)			
High Pressure Core Spray Lines	1 (> 100)	average Recirculation numbers above	7.48E-06	2.24E-05
	2 (> 1,500)		1.46E-06	4.38E-06
	3 (> 5,000)		5.20E-07	1.56E-06
	4 (> 25,000)		1.63E-07	4.90E-07

	5 (> 100,000)			
	6 (> 500,000)			
Low Pressure Core Spray Lines	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Residual Heat Removal System	1 (> 100)	average Recirculation numbers above	7.48E-06	2.24E-05
	2 (> 1,500)		1.46E-06	4.38E-06
	3 (> 5,000)		5.20E-07	1.56E-06
	4 (> 25,000)		1.63E-07	4.90E-07
	5 (> 100,000)		4.20E-08	1.26E-07
	6 (> 500,000)			
Reactor Water Cleanup System	1 (> 100)	average Recirculation numbers above	7.48E-06	2.24E-05
	2 (> 1,500)		1.46E-06	4.38E-06
	3 (> 5,000)		5.20E-07	1.56E-06
	4 (> 25,000)		1.63E-07	4.90E-07
	5 (> 100,000)		4.20E-08	1.26E-07
	6 (> 500,000)			
Control Rod Drive Piping	1 (> 100)	average Recirculation numbers above	7.48E-06	2.24E-05
	2 (> 1,500)		1.46E-06	4.38E-06
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			

<b>Standby Liquid Control Lines</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Instrumentation Lines</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Drain Lines</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Head Spray</b>	<b>1 (&gt; 100)</b>	<b>average</b>	<b>7.48E-06</b>	<b>2.24E-05</b>
	<b>2 (&gt; 1,500)</b>	<b>Recirculation</b>	<b>1.46E-06</b>	<b>4.38E-06</b>
	<b>3 (&gt; 5,000)</b>	<b>numbers above</b>	<b>5.20E-07</b>	<b>1.56E-06</b>
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
	<b>1 (&gt; 100)</b>	<b>average</b>	<b>7.48E-06</b>	<b>2.24E-05</b>
	<b>2 (&gt; 1,500)</b>	<b>Recirculation</b>	<b>1.46E-06</b>	<b>4.38E-06</b>

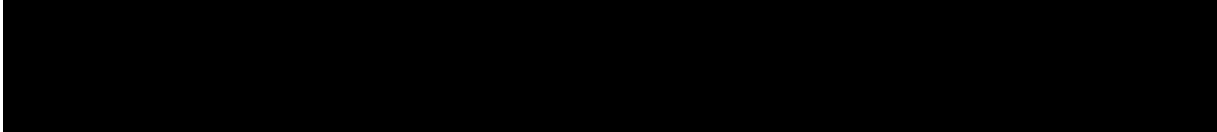


<b>Safety Relief Valve Lines</b>	<b>3 (&gt; 5,000)</b>		<b>5.20E-07</b>	<b>1.56E-06</b>
	<b>4 (&gt; 25,000)</b>		<b>1.63E-07</b>	<b>4.90E-07</b>
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Reactor Core Isolation Cooling Lines</b>	<b>1 (&gt; 100)</b>			
	<b>2 (&gt; 1,500)</b>			
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			

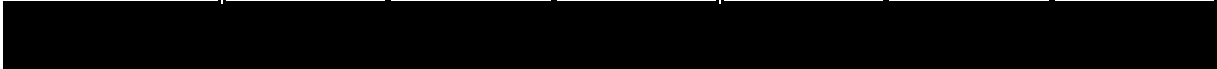
<b>LOCA Category (gpm)</b>				
<b>1</b>				
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				
<b>6</b>				

System	25 Years of Plant Operation			40 Years of Plant Operation		
	5% UB (cal yr <sup>-1</sup> )	5% LB Ratio	Mid Value Ratio	5% UB Ratio	5% LB Ratio	Mid Value Ratio
6.73E-05	0.3333333	1	3	0.09	0.45	2.25
1.31E-05	0.1111111	1	9	0.03	0.45	6.75
4.68E-06	0.1	1	10	0.0225	0.45	9
1.47E-06	0.05	1	20	0.01125	0.45	18
3.78E-07	0.025	1	40	0.005625	0.45	36
<b> </b>						
6.73E-05	0.6666667	2	6	0.18	0.9	4.5
1.31E-05	0.2222222	2	18	0.06	0.9	13.5
4.68E-06	0.2	2	20	0.045	0.9	18
1.47E-06	0.1	2	40	0.0225	0.9	36
3.78E-07	0.05	2	80	0.01125	0.9	72
<b> </b>						
6.73E-05	0.3333333	1	3	0.21	1.05	5.25
1.31E-05	0.1111111	1	9	0.07	1.05	15.75
4.68E-06	0.1	1	10	0.0525	1.05	21
1.47E-06	0.05	1	20	0.02625	1.05	42
3.78E-07	0.025	1	40	0.013125	1.05	84
<b> </b>						
6.73E-05	0.3333333	1	3	0.21	1.05	5.25
1.31E-05	0.1111111	1	9	0.07	1.05	15.75
4.68E-06	0.1	1	10	0.0525	1.05	21
1.47E-06	0.05	1	20	0.02625	1.05	42

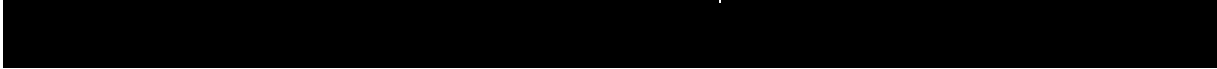


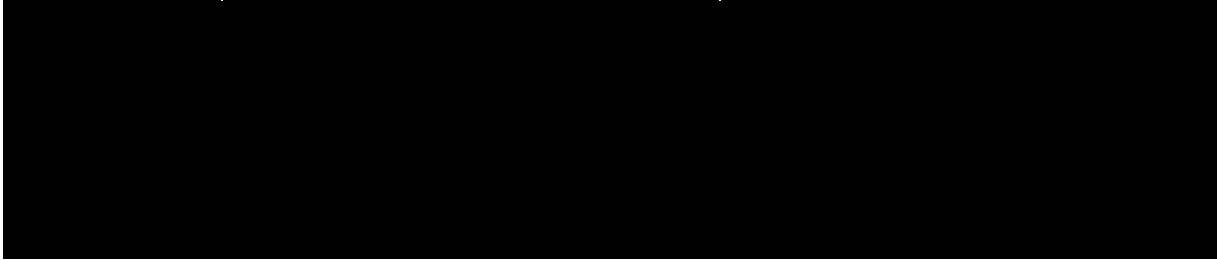
<b>6.73E-05</b>	<b>0.1666667</b>	<b>0.5</b>	<b>1.5</b>	<b>0.03</b>	<b>0.15</b>	<b>0.75</b>
<b>1.31E-05</b>	<b>0.0555556</b>	<b>0.5</b>	<b>4.5</b>	<b>0.01</b>	<b>0.15</b>	<b>2.25</b>
<b>4.68E-06</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.0075</b>	<b>0.15</b>	<b>3</b>
<b>1.47E-06</b>	<b>0.025</b>	<b>0.5</b>	<b>10</b>	<b>0.00375</b>	<b>0.15</b>	<b>6</b>
<b>3.78E-07</b>	<b>0.0125</b>	<b>0.5</b>	<b>20</b>	<b>0.001875</b>	<b>0.15</b>	<b>12</b>

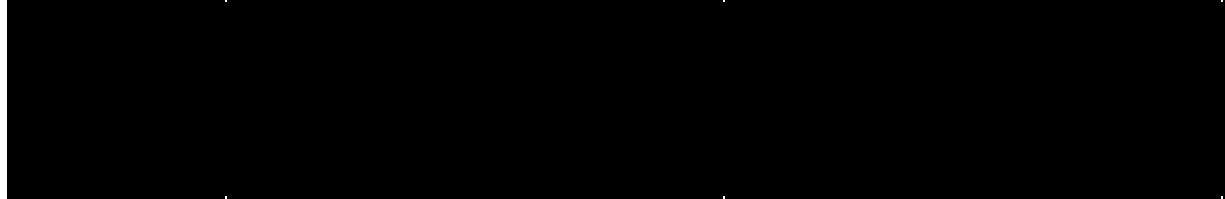


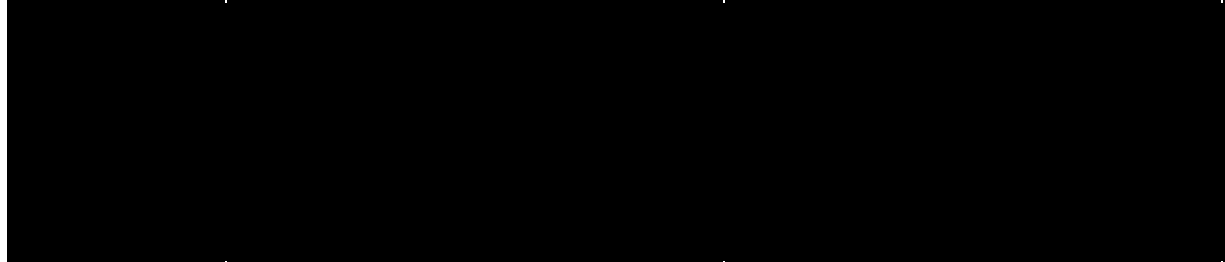
<b>6.73E-05</b>	<b>0.3333333</b>	<b>1</b>	<b>3</b>	<b>0.06</b>	<b>0.3</b>	<b>1.5</b>
<b>1.31E-05</b>	<b>0.1111111</b>	<b>1</b>	<b>9</b>	<b>0.02</b>	<b>0.3</b>	<b>4.5</b>
<b>4.68E-06</b>	<b>0.1</b>	<b>1</b>	<b>10</b>	<b>0.015</b>	<b>0.3</b>	<b>6</b>
<b>1.47E-06</b>	<b>0.05</b>	<b>1</b>	<b>20</b>	<b>0.0075</b>	<b>0.3</b>	<b>12</b>
<b>3.78E-07</b>	<b>0.025</b>	<b>1</b>	<b>40</b>	<b>0.00375</b>	<b>0.3</b>	<b>24</b>

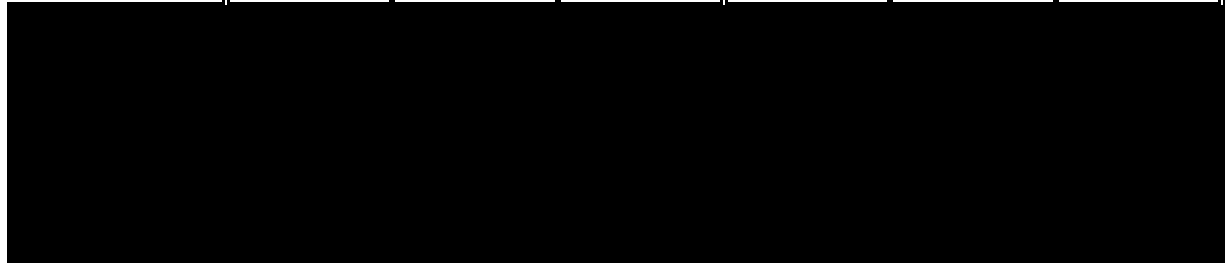


<b>6.73E-05</b>	<b>0.6666667</b>	<b>2</b>	<b>6</b>	<b>0.06</b>	<b>0.3</b>	<b>1.5</b>
<b>1.31E-05</b>	<b>0.2222222</b>	<b>2</b>	<b>18</b>	<b>0.02</b>	<b>0.3</b>	<b>4.5</b>

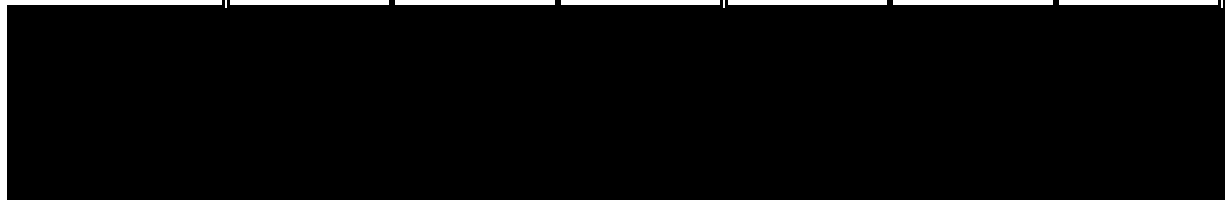


<b>6.73E-05</b>	<b>0.03333333</b>	<b>0.1</b>	<b>0.3</b>	<b>0.03</b>	<b>0.15</b>	<b>0.75</b>
<b>1.31E-05</b>	<b>0.01111111</b>	<b>0.1</b>	<b>0.9</b>	<b>0.01</b>	<b>0.15</b>	<b>2.25</b>
<b>4.68E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.0075</b>	<b>0.15</b>	<b>3</b>

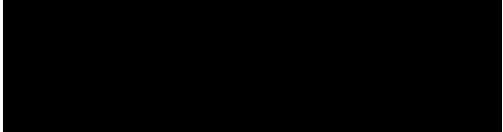


<b>6.73E-05</b>	<b>0.03333333</b>	<b>0.1</b>	<b>0.3</b>	<b>0.27</b>	<b>1.35</b>	<b>6.75</b>
<b>1.31E-05</b>	<b>0.01111111</b>	<b>0.1</b>	<b>0.9</b>	<b>0.09</b>	<b>1.35</b>	<b>20.25</b>

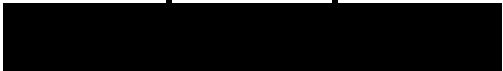


<b>60 Years of Plant Operation</b>		
<b>5% LB Ratio</b>	<b>Mid Value Ratio</b>	<b>5% UB Ratio</b>
<b>0.045</b>	<b>0.45</b>	<b>4.5</b>
<b>0.015</b>	<b>0.45</b>	<b>13.5</b>
<b>0.01125</b>	<b>0.45</b>	<b>18</b>
<b>0.0075</b>	<b>0.45</b>	<b>27</b>
<b>0.00375</b>	<b>0.45</b>	<b>54</b>
<b> </b>		
<b>0.09</b>	<b>0.9</b>	<b>9</b>
<b>0.03</b>	<b>0.9</b>	<b>27</b>
<b>0.0225</b>	<b>0.9</b>	<b>36</b>
<b>0.015</b>	<b>0.9</b>	<b>54</b>
<b>0.0075</b>	<b>0.9</b>	<b>108</b>
<b> </b>		
<b>0.105</b>	<b>1.05</b>	<b>10.5</b>
<b>0.035</b>	<b>1.05</b>	<b>31.5</b>
<b>0.02625</b>	<b>1.05</b>	<b>42</b>
<b>0.0175</b>	<b>1.05</b>	<b>63</b>
<b>0.00875</b>	<b>1.05</b>	<b>126</b>
<b> </b>		
<b>0.105</b>	<b>1.05</b>	<b>10.5</b>
<b>0.035</b>	<b>1.05</b>	<b>31.5</b>
<b>0.02625</b>	<b>1.05</b>	<b>42</b>
<b>0.0175</b>	<b>1.05</b>	<b>63</b>



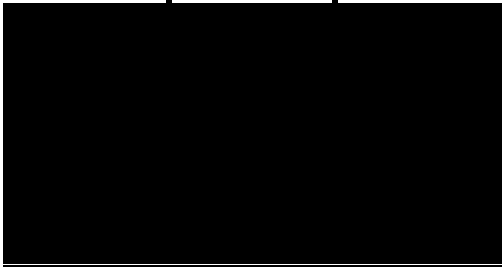
<b>0.015</b>	<b>0.15</b>	<b>1.5</b>
<b>0.005</b>	<b>0.15</b>	<b>4.5</b>
<b>0.00375</b>	<b>0.15</b>	<b>6</b>
<b>0.0025</b>	<b>0.15</b>	<b>9</b>
<b>0.00125</b>	<b>0.15</b>	<b>18</b>

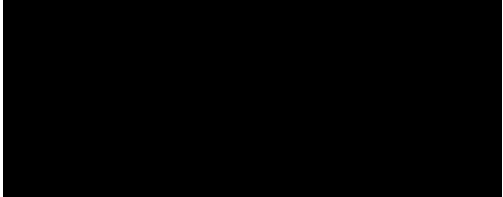


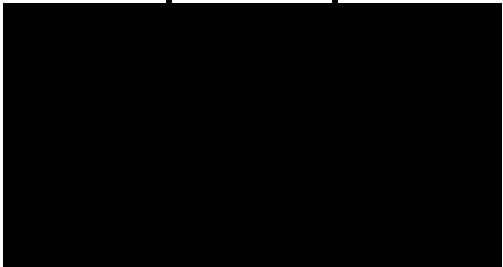
<b>0.03</b>	<b>0.3</b>	<b>3</b>
<b>0.01</b>	<b>0.3</b>	<b>9</b>
<b>0.0075</b>	<b>0.3</b>	<b>12</b>
<b>0.005</b>	<b>0.3</b>	<b>18</b>
<b>0.0025</b>	<b>0.3</b>	<b>36</b>

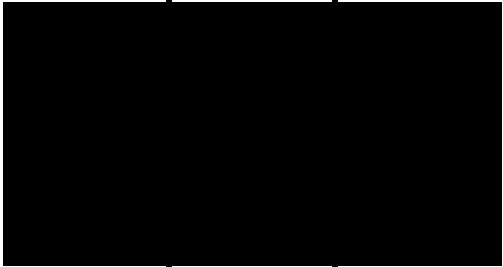


<b>0.03</b>	<b>0.3</b>	<b>3</b>
<b>0.01</b>	<b>0.3</b>	<b>9</b>

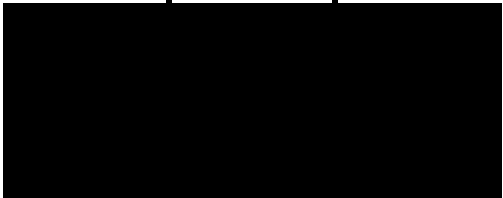


<b>0.015</b>	<b>0.15</b>	<b>1.5</b>
<b>0.005</b>	<b>0.15</b>	<b>4.5</b>
<b>0.00375</b>	<b>0.15</b>	<b>6</b>



<b>0.135</b>	<b>1.35</b>	<b>13.5</b>
<b>0.045</b>	<b>1.35</b>	<b>40.5</b>





[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]





































































### Participant G

Piping System	LOCA Category (gpm)	Base Case	LOCA Frequency for S	
			5% LB (cal-yr <sup>-1</sup> )	Mid Value (cal-yr <sup>-1</sup> )
Recirculation	1 (> 100)	BWR-1	2.74E-06	8.23E-06
	2 (> 1,500)		3.60E-07	1.08E-06
	3 (> 5,000)		1.34E-07	4.03E-07
	4 (> 25,000)		4.30E-08	1.29E-07
	5 (> 100,000)		4.38E-09	2.19E-08
	6 (> 500,000)			
Feed Water	1 (> 100)	BWR-2	9.58E-09	4.79E-08
	2 (> 1,500)		1.44E-09	7.18E-09
	3 (> 5,000)		5.06E-10	2.53E-09
	4 (> 25,000)		1.42E-10	7.08E-10
	5 (> 100,000)		6.92E-12	6.92E-11
	6 (> 500,000)			
Steam Line	1 (> 100)	BWR-2	9.58E-09	4.79E-08
	2 (> 1,500)		1.44E-09	7.18E-09
	3 (> 5,000)		5.06E-10	2.53E-09
	4 (> 25,000)		1.42E-10	7.08E-10
	5 (> 100,000)		6.92E-12	6.92E-11
	6 (> 500,000)			
High Pressure Core Spray Lines	1 (> 100)	BWR-1	1.65E-06	8.23E-06
	2 (> 1,500)		2.16E-07	1.08E-06
	3 (> 5,000)		8.06E-08	4.03E-07
	4 (> 25,000)		2.58E-08	1.29E-07

	5 (> 100,000)			
	6 (> 500,000)			
Low Pressure Core Spray Lines	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Residual Heat Removal System	1 (> 100)	BWR-1	1.65E-06	8.23E-06
	2 (> 1,500)		2.16E-07	1.08E-06
	3 (> 5,000)		8.06E-08	4.03E-07
	4 (> 25,000)		1.29E-08	1.29E-07
	5 (> 100,000)		2.19E-09	2.19E-08
	6 (> 500,000)			
Reactor Water Cleanup System	1 (> 100)	BWR-1	1.65E-06	8.23E-06
	2 (> 1,500)		2.16E-07	1.08E-06
	3 (> 5,000)		8.06E-08	4.03E-07
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Control Rod Drive Piping	1 (> 100)	BWR-1	1.65E-06	8.23E-06
	2 (> 1,500)		2.16E-07	1.08E-06
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			

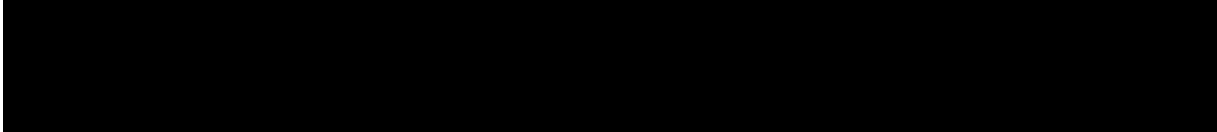
<b>Standby Liquid Control Lines</b>	<b>1 (&gt; 100)</b>	<b>BWR-1</b>	<b>2.74E-06</b>	<b>8.23E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>2.16E-07</b>	<b>1.08E-06</b>
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Instrumentation Lines</b>	<b>1 (&gt; 100)</b>	<b>BWR-1</b>	<b>2.74E-06</b>	<b>8.23E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>3.60E-07</b>	<b>1.08E-06</b>
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Drain Lines</b>	<b>1 (&gt; 100)</b>	<b>BWR-1</b>	<b>2.74E-06</b>	<b>8.23E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>3.60E-07</b>	<b>1.08E-06</b>
	<b>3 (&gt; 5,000)</b>			
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
<b>Head Spray</b>	<b>1 (&gt; 100)</b>	<b>BWR-1</b>	<b>1.65E-06</b>	<b>8.23E-06</b>
	<b>2 (&gt; 1,500)</b>		<b>2.16E-07</b>	<b>1.08E-06</b>
	<b>3 (&gt; 5,000)</b>		<b>8.06E-08</b>	<b>4.03E-07</b>
	<b>4 (&gt; 25,000)</b>			
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			
	<b>1 (&gt; 100)</b>	<b>BWR-2</b>	<b>9.58E-09</b>	<b>4.79E-08</b>
	<b>2 (&gt; 1,500)</b>		<b>1.44E-09</b>	<b>7.18E-09</b>

<b>Safety Relief Valve Lines</b>	<b>3 (&gt; 5,000)</b>		<b>5.06E-10</b>	<b>2.53E-09</b>
	<b>4 (&gt; 25,000)</b>		<b>1.42E-10</b>	<b>7.08E-10</b>
	<b>5 (&gt; 100,000)</b>		<b>6.92E-12</b>	<b>6.92E-11</b>
	<b>6 (&gt; 500,000)</b>			
<b>Reactor Core Isolation Cooling Lines</b>	<b>1 (&gt; 100)</b>	<b>BWR-2</b>	<b>9.58E-09</b>	<b>4.79E-08</b>
	<b>2 (&gt; 1,500)</b>		<b>1.44E-09</b>	<b>7.18E-09</b>
	<b>3 (&gt; 5,000)</b>		<b>5.06E-10</b>	<b>2.53E-09</b>
	<b>4 (&gt; 25,000)</b>		<b>7.08E-11</b>	<b>7.08E-10</b>
	<b>5 (&gt; 100,000)</b>			
	<b>6 (&gt; 500,000)</b>			

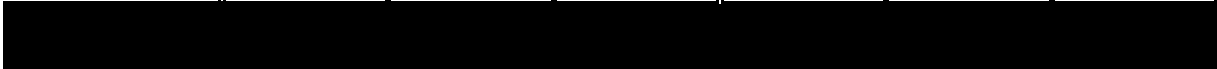
<b>LOCA Category (gpm)</b>				
<b>1</b>				
<b>2</b>				
<b>3</b>				
<b>4</b>				
<b>5</b>				
<b>6</b>				

System	25 Years of Plant Operation			40 Years of Plant Operation		
	5% UB (cal yr <sup>-1</sup> )	5% LB Ratio	Mid Value Ratio	5% UB Ratio	5% LB Ratio	Mid Value Ratio
2.47E-05	0.3	1.0	3.0	0.38	1.15	3.45
3.24E-06	0.3	1.0	3.0	0.38	1.15	3.45
1.21E-06	0.3	1.0	3.0	0.38	1.15	3.45
3.87E-07	0.3	1.0	3.0	0.38	1.15	3.45
1.10E-07	0.2	1.0	5.0	0.23	1.15	5.75
<b> </b>						
2.40E-07	0.2	1.0	5.0	0.2	1.1	5.3
3.59E-08	0.2	1.0	5.0	0.2	1.1	5.3
1.27E-08	0.2	1.0	5.0	0.2	1.1	5.3
3.54E-09	0.2	1.0	5.0	0.2	1.1	5.3
6.92E-10	0.1	1.0	10.0	0.1	1.1	10.6
<b> </b>						
2.40E-07	0.2	0.5	5.0	0.2	0.53	5.0
3.59E-08	0.2	0.5	5.0	0.2	0.53	5.0
1.27E-08	0.2	0.5	5.0	0.2	0.53	5.0
3.54E-09	0.2	0.5	5.0	0.2	0.53	5.0
6.92E-10	0.1	0.5	10.0	0.1	0.53	10.0
<b> </b>						
4.12E-05	0.03	0.15	1	0.03	0.18	1
5.40E-06	0.03	0.15	1	0.03	0.18	1
2.02E-06	0.03	0.15	1	0.03	0.18	1
1.29E-06	0.01	0.15	1.5	0.01	0.18	1.5



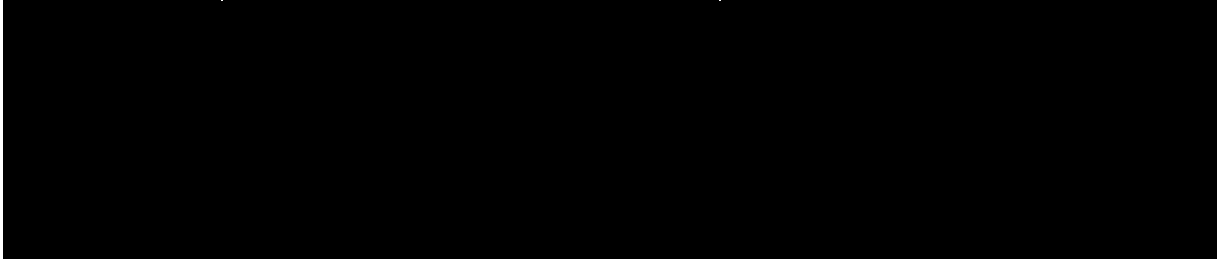
<b>4.12E-05</b>	<b>0.05</b>	<b>0.25</b>	<b>1.2</b>	<b>0.05</b>	<b>0.29</b>	<b>1.2</b>
<b>5.40E-06</b>	<b>0.05</b>	<b>0.25</b>	<b>1.2</b>	<b>0.05</b>	<b>0.29</b>	<b>1.2</b>
<b>2.02E-06</b>	<b>0.05</b>	<b>0.25</b>	<b>1.2</b>	<b>0.05</b>	<b>0.29</b>	<b>1.2</b>
<b>1.29E-06</b>	<b>0.02</b>	<b>0.25</b>	<b>2.5</b>	<b>0.02</b>	<b>0.29</b>	<b>2.5</b>
<b>2.19E-07</b>	<b>0.02</b>	<b>0.25</b>	<b>2.5</b>	<b>0.02</b>	<b>0.29</b>	<b>2.5</b>



<b>4.12E-05</b>	<b>0.03</b>	<b>0.18</b>	<b>1</b>	<b>0.03</b>	<b>0.21</b>	<b>1</b>
<b>5.40E-06</b>	<b>0.03</b>	<b>0.18</b>	<b>1</b>	<b>0.03</b>	<b>0.21</b>	<b>1</b>
<b>2.02E-06</b>	<b>0.03</b>	<b>0.18</b>	<b>1</b>	<b>0.03</b>	<b>0.21</b>	<b>1</b>

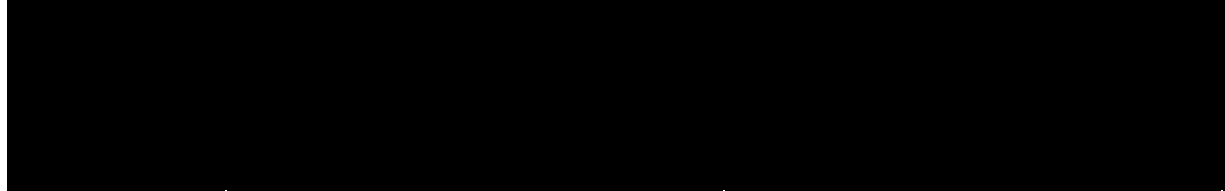


<b>4.12E-05</b>	<b>0.005</b>	<b>0.03</b>	<b>0.15</b>	<b>0.005</b>	<b>0.03</b>	<b>0.15</b>
<b>5.40E-06</b>	<b>0.005</b>	<b>0.03</b>	<b>0.15</b>	<b>0.005</b>	<b>0.03</b>	<b>0.15</b>

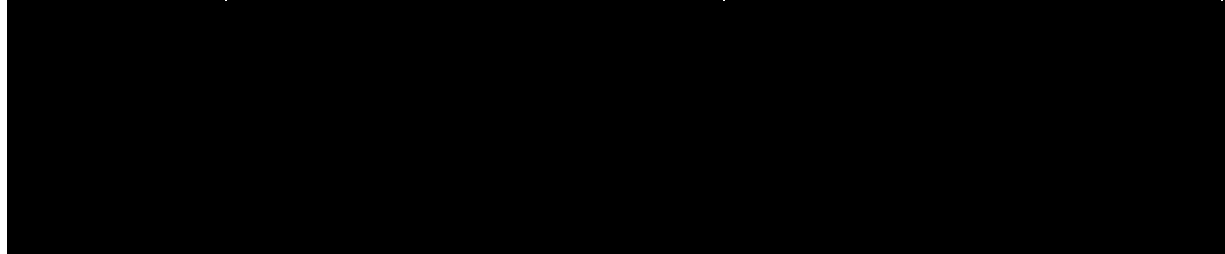




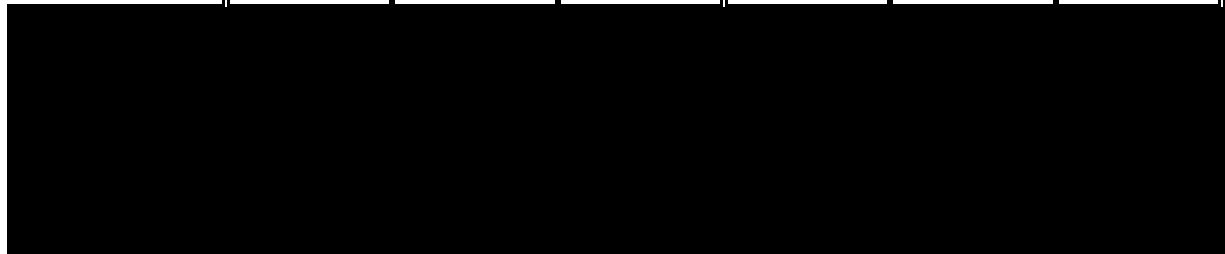
<b>4.12E-05</b>	<b>0.005</b>	<b>0.03</b>	<b>0.15</b>	<b>0.005</b>	<b>0.03</b>	<b>0.15</b>
<b>5.40E-06</b>	<b>0.005</b>	<b>0.03</b>	<b>0.15</b>	<b>0.005</b>	<b>0.03</b>	<b>0.15</b>



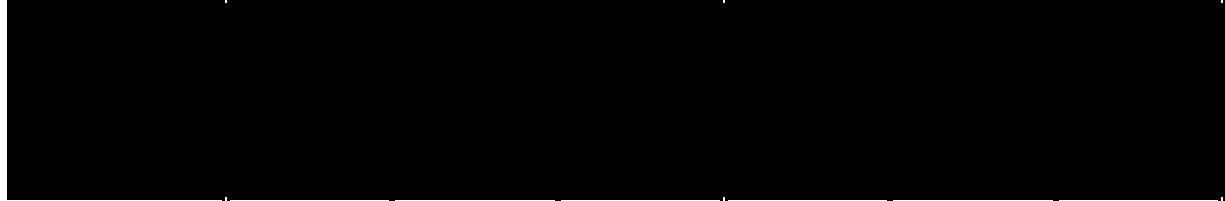
<b>2.47E-05</b>	<b>0.33</b>	<b>2</b>	<b>3</b>	<b>0.33</b>	<b>2.30</b>	<b>3</b>
<b>3.24E-06</b>	<b>0.33</b>	<b>2</b>	<b>3</b>	<b>0.33</b>	<b>2.30</b>	<b>3</b>



<b>2.47E-05</b>	<b>0.33</b>	<b>2</b>	<b>3</b>	<b>0.33</b>	<b>2.30</b>	<b>3</b>
<b>3.24E-06</b>	<b>0.33</b>	<b>2</b>	<b>3</b>	<b>0.33</b>	<b>2.30</b>	<b>3</b>



<b>4.12E-05</b>	<b>0.02</b>	<b>0.1</b>	<b>0.5</b>	<b>0.02</b>	<b>0.12</b>	<b>0.5</b>
<b>5.40E-06</b>	<b>0.02</b>	<b>0.1</b>	<b>0.5</b>	<b>0.02</b>	<b>0.12</b>	<b>0.5</b>
<b>2.02E-06</b>	<b>0.02</b>	<b>0.1</b>	<b>0.5</b>	<b>0.02</b>	<b>0.12</b>	<b>0.5</b>

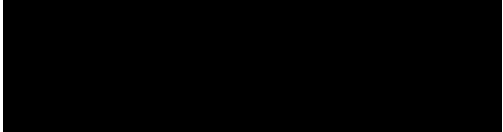


<b>2.40E-07</b>	<b>0.05</b>	<b>0.25</b>	<b>1.2</b>	<b>0.05</b>	<b>0.27</b>	<b>1.2</b>
<b>3.59E-08</b>	<b>0.05</b>	<b>0.25</b>	<b>1.2</b>	<b>0.05</b>	<b>0.27</b>	<b>1.2</b>

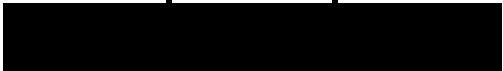


<b>60 Years of Plant Operation</b>		
<b>5% LB Ratio</b>	<b>Mid Value Ratio</b>	<b>5% UB Ratio</b>
<b>0.64</b>	<b>1.932</b>	<b>5.80</b>
<b>0.64</b>	<b>1.932</b>	<b>5.80</b>
<b>0.64</b>	<b>1.932</b>	<b>5.80</b>
<b>0.64</b>	<b>1.932</b>	<b>5.80</b>
<b>0.39</b>	<b>1.932</b>	<b>9.66</b>
<b>[REDACTED]</b>		
<b>0.2</b>	<b>1.1</b>	<b>5.3</b>
<b>0.2</b>	<b>1.1</b>	<b>5.3</b>
<b>0.2</b>	<b>1.1</b>	<b>5.3</b>
<b>0.2</b>	<b>1.1</b>	<b>5.3</b>
<b>0.1</b>	<b>1.1</b>	<b>10.7</b>
<b>[REDACTED]</b>		
<b>0.2</b>	<b>0.53</b>	<b>5.0</b>
<b>0.2</b>	<b>0.53</b>	<b>5.0</b>
<b>0.2</b>	<b>0.53</b>	<b>5.0</b>
<b>0.2</b>	<b>0.53</b>	<b>5.0</b>
<b>0.1</b>	<b>0.53</b>	<b>10.0</b>
<b>[REDACTED]</b>		
<b>0.05</b>	<b>0.30</b>	<b>1.5</b>
<b>0.05</b>	<b>0.30</b>	<b>1.5</b>
<b>0.05</b>	<b>0.30</b>	<b>1.5</b>
<b>0.02</b>	<b>0.30</b>	<b>3</b>



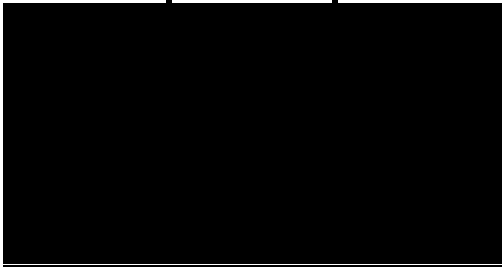
<b>0.1</b>	<b>0.48</b>	<b>2.5</b>
<b>0.1</b>	<b>0.48</b>	<b>2.5</b>
<b>0.1</b>	<b>0.48</b>	<b>2.5</b>
<b>0.05</b>	<b>0.48</b>	<b>5</b>
<b>0.05</b>	<b>0.48</b>	<b>5</b>



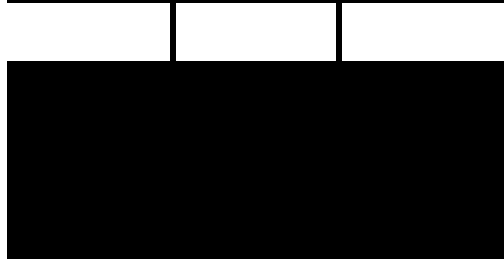
<b>0.05</b>	<b>0.35</b>	<b>2</b>
<b>0.05</b>	<b>0.35</b>	<b>2</b>
<b>0.05</b>	<b>0.35</b>	<b>2</b>



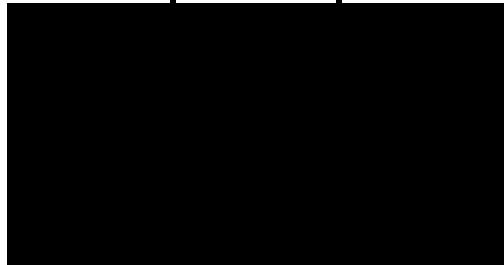
<b>0.01</b>	<b>0.05</b>	<b>0.2</b>
<b>0.01</b>	<b>0.05</b>	<b>0.2</b>



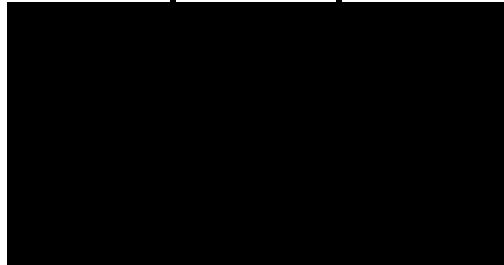
<b>0.01</b>	<b>0.05</b>	<b>0.2</b>
<b>0.01</b>	<b>0.05</b>	<b>0.2</b>



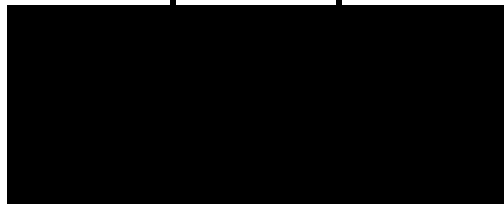
<b>0.33</b>	<b>3.86</b>	<b>3</b>
<b>0.33</b>	<b>3.86</b>	<b>3</b>



<b>0.33</b>	<b>3.86</b>	<b>3</b>
<b>0.33</b>	<b>3.86</b>	<b>3</b>



<b>0.04</b>	<b>0.19</b>	<b>1</b>
<b>0.04</b>	<b>0.19</b>	<b>1</b>
<b>0.04</b>	<b>0.19</b>	<b>1</b>



<b>0.05</b>	<b>0.27</b>	<b>1.2</b>
<b>0.05</b>	<b>0.27</b>	<b>1.2</b>













































































## Participant H

Piping System	LOCA Category (gpm)	Base Case	LOCA Frequency for System	
			5% LB (cal)	Mid Value
Recirculation	1 (> 100)	modified recirculation	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	2.88E-06
	4 (> 25,000)		2.92E-07	8.75E-07
	5 (> 100,000)		9.33E-08	2.80E-07
	6 (> 500,000)			
Feed Water	1 (> 100)	modified feedwater	1.08E-06	3.25E-06
	2 (> 1,500)		2.57E-07	7.70E-07
	3 (> 5,000)		8.67E-08	2.60E-07
	4 (> 25,000)		2.68E-08	8.05E-08
	5 (> 100,000)		7.88E-09	2.37E-08
	6 (> 500,000)			
Steam Line	1 (> 100)	modified feedwater	1.08E-06	3.25E-06
	2 (> 1,500)		2.57E-07	7.70E-07
	3 (> 5,000)		8.67E-08	2.60E-07
	4 (> 25,000)		2.68E-08	8.05E-08
	5 (> 100,000)		7.88E-09	2.37E-08
	6 (> 500,000)			
High Pressure/Low	1 (> 100)	modified feedwater	1.08E-06	3.25E-06
	2 (> 1,500)		2.57E-07	7.70E-07
	3 (> 5,000)		8.67E-08	2.60E-07



	4 (> 25,000)		2.68E-08	8.05E-08
	5 (> 100,000)			
	6 (> 500,000)			
Low Pressure Core Spray Lines	1 (> 100)			
	2 (> 1,500)			
	3 (> 5,000)			
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
Residual Heat Removal System	1 (> 100)	modified recirculation	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	2.88E-06
	4 (> 25,000)		2.92E-07	8.75E-07
	5 (> 100,000)		9.33E-08	2.80E-07
	6 (> 500,000)			
Reactor Water Cleanup System	1 (> 100)	modified recirculation	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	2.88E-06
	4 (> 25,000)		2.92E-07	8.75E-07
	5 (> 100,000)			
	6 (> 500,000)			
Control Rod Drive Piping	1 (> 100)	modified recirculation	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	0.00000288
	4 (> 25,000)			

	5 (> 100,000)			
	6 (> 500,000)			
<b>Standby Liquid Control Lines</b>	1 (> 100)	<b>modified recirculation</b>	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	2.88E-06
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
<b>Instrumentation Lines</b>	1 (> 100)	<b>modified recirculation</b>	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	0.00000288
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
<b>Drain Lines</b>	1 (> 100)	<b>modified recirculation</b>	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	0.00000288
	4 (> 25,000)			
	5 (> 100,000)			
	6 (> 500,000)			
<b>Head Spray</b>	1 (> 100)	<b>modified recirculation</b>	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	2.88E-06
	4 (> 25,000)			
	5 (> 100,000)			

	6 (> 500,000)			
<b>Safety Relief Valve Lines</b>	1 (> 100)	<b>modified recirculation</b>	1.04E-05	3.13E-05
	2 (> 1,500)		2.87E-06	8.60E-06
	3 (> 5,000)		9.60E-07	2.88E-06
	4 (> 25,000)		2.92E-07	8.75E-07
	5 (> 100,000)		9.33E-08	2.80E-07
	6 (> 500,000)			
<b>Reactor Core Isolation Cooling Lines</b>	1 (> 100)	<b>modified feedwater</b>	1.08E-06	3.25E-06
	2 (> 1,500)		2.57E-07	7.70E-07
	3 (> 5,000)		8.67E-08	2.60E-07
	4 (> 25,000)		2.68E-08	8.05E-08
	5 (> 100,000)			
	6 (> 500,000)			

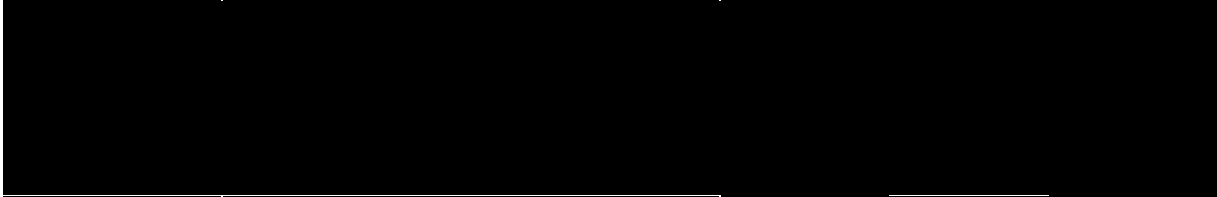
<b>LOCA Category (gpm)</b>				
1				
2				
3				
4				
5				
6				

	25 Years of Plant Operation			40 Years of Plant Operation		
5% UB (cal)	5% LB	Mid Value	5% UB	5% LB	Mid Value	5% UB
9.38E-05	0.02	0.1	0.5	0.05	0.5	5
2.58E-05	0.02	0.1	0.5	0.05	0.5	5
8.64E-06	0.02	0.1	0.5	0.05	0.5	5
2.63E-06	0.02	0.1	0.5	0.05	0.5	5
8.40E-07	0.02	0.1	0.5	0.05	0.5	5
9.75E-06	0.002	0.01	0.05	0.005	0.05	0.5
2.31E-06	0.002	0.01	0.05	0.01	0.1	1
7.80E-07	0.01	0.05	0.25	0.1	1	10
2.42E-07	0.02	0.1	0.5	0.25	2.5	25
7.10E-08	0.02	0.1	0.5	0.25	2.5	25
9.75E-06	0.01	0.1	1	0.05	0.5	5
2.31E-06	0.01	0.1	1	0.05	0.5	5
7.80E-07	0.01	0.1	1	0.05	0.5	5
2.42E-07	0.01	0.1	1	0.05	0.5	5
7.10E-08	0.01	0.1	1	0.05	0.5	5
9.75E-06	0.01	0.1	1	0.05	0.5	5
2.31E-06	0.01	0.1	1	0.05	0.5	5
7.80E-07	0.01	0.1	1	0.05	0.5	5

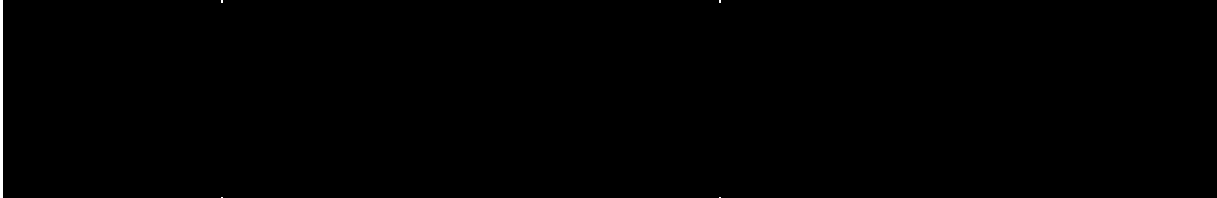
<b>2.42E-07</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>
<b>[Redacted]</b>						
<b>[Redacted]</b>						
<b>9.38E-05</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>
<b>2.58E-05</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>
<b>8.64E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>
<b>2.63E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>
<b>8.40E-07</b>	<b>0.02</b>	<b>0.2</b>	<b>2</b>	<b>0.04</b>	<b>0.4</b>	<b>4</b>
<b>[Redacted]</b>						
<b>9.38E-05</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.25</b>	<b>2.5</b>	<b>25</b>
<b>2.58E-05</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.25</b>	<b>2.5</b>	<b>25</b>
<b>8.64E-06</b>	<b>0.02</b>	<b>0.2</b>	<b>2</b>	<b>0.1</b>	<b>1</b>	<b>10</b>
<b>2.63E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>
<b>[Redacted]</b>						
<b>9.38E-05</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.5</b>	<b>5</b>	<b>50</b>
<b>2.58E-05</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.5</b>	<b>5</b>	<b>50</b>
<b>8.64E-06</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.5</b>	<b>5</b>	<b>50</b>
<b>[Redacted]</b>						



<b>9.38E-05</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>
<b>2.58E-05</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.02</b>	<b>0.2</b>	<b>2</b>
<b>8.64E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.02</b>	<b>0.2</b>	<b>2</b>



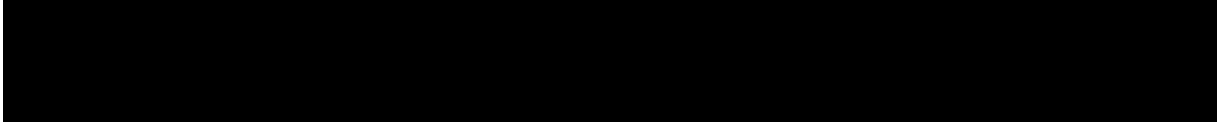
<b>9.38E-05</b>	<b>0.1</b>	<b>1</b>	<b>10</b>	<b>0.5</b>	<b>5</b>	<b>50</b>
<b>2.58E-05</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.1</b>	<b>1</b>	<b>10</b>
<b>8.64E-06</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.1</b>	<b>1</b>	<b>10</b>



<b>9.38E-05</b>	<b>0.1</b>	<b>1</b>	<b>10</b>	<b>0.2</b>	<b>2</b>	<b>20</b>
<b>2.58E-05</b>	<b>0.02</b>	<b>0.2</b>	<b>2</b>	<b>0.04</b>	<b>0.4</b>	<b>4</b>
<b>8.64E-06</b>	<b>0.05</b>	<b>0.5</b>	<b>5</b>	<b>0.1</b>	<b>1</b>	<b>10</b>



<b>9.38E-05</b>	<b>0.1</b>	<b>1</b>	<b>10</b>	<b>0.2</b>	<b>2</b>	<b>20</b>
<b>2.58E-05</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.02</b>	<b>0.2</b>	<b>2</b>
<b>8.64E-06</b>	<b>0.01</b>	<b>0.1</b>	<b>1</b>	<b>0.02</b>	<b>0.2</b>	<b>2</b>





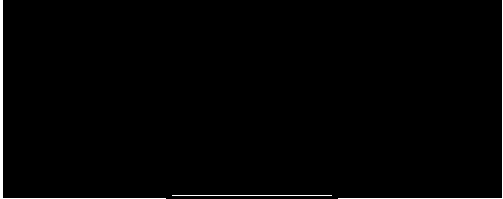
<b>60 Years of Plant Operation</b>		
<b>5% LB</b>	<b>Mid Value</b>	<b>5% UB</b>
<b>0.0025</b>	<b>0.25</b>	<b>25</b>
<b>0.0025</b>	<b>0.25</b>	<b>25</b>
<b>0.0025</b>	<b>0.25</b>	<b>25</b>
<b>0.0025</b>	<b>0.25</b>	<b>25</b>
<b>0.0025</b>	<b>0.25</b>	<b>25</b>
<b>[REDACTED]</b>		
<b>0.0025</b>	<b>0.25</b>	<b>25</b>
<b>0.005</b>	<b>0.5</b>	<b>50</b>
<b>0.05</b>	<b>5</b>	<b>500</b>
<b>0.125</b>	<b>12.5</b>	<b>1250</b>
<b>0.05</b>	<b>5</b>	<b>500</b>
<b>[REDACTED]</b>		
<b>0.05</b>	<b>2.5</b>	<b>125</b>
<b>0.1</b>	<b>5</b>	<b>250</b>
<b>0.1</b>	<b>5</b>	<b>250</b>
<b>0.1</b>	<b>5</b>	<b>250</b>
<b>0.1</b>	<b>5</b>	<b>250</b>
<b>[REDACTED]</b>		
<b>0.02</b>	<b>1</b>	<b>50</b>
<b>0.02</b>	<b>1</b>	<b>50</b>
<b>0.02</b>	<b>1</b>	<b>50</b>



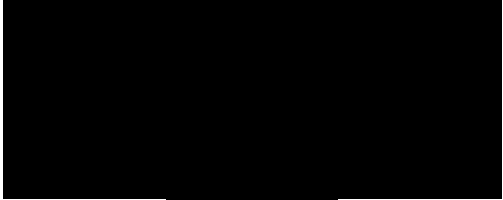
<b>0.02</b>	<b>1</b>	<b>50</b>
<b>[REDACTED]</b>		
<b>[REDACTED]</b>		
<b>0.05</b>	<b>2.5</b>	<b>125</b>
<b>0.05</b>	<b>2.5</b>	<b>125</b>
<b>0.05</b>	<b>2.5</b>	<b>125</b>
<b>0.05</b>	<b>2.5</b>	<b>125</b>
<b>0.032</b>	<b>1.6</b>	<b>80</b>
<b>[REDACTED]</b>		
<b>0.25</b>	<b>12.5</b>	<b>625</b>
<b>0.25</b>	<b>12.5</b>	<b>625</b>
<b>0.1</b>	<b>5</b>	<b>250</b>
<b>0.05</b>	<b>2.5</b>	<b>125</b>
<b>[REDACTED]</b>		
<b>0.005</b>	<b>0.5</b>	<b>50</b>
<b>0.0005</b>	<b>0.05</b>	<b>5</b>
<b>0.0005</b>	<b>0.05</b>	<b>5</b>
<b>[REDACTED]</b>		



<b>0.05</b>	<b>5</b>	<b>500</b>
<b>0.02</b>	<b>2</b>	<b>200</b>
<b>0.01</b>	<b>1</b>	<b>100</b>



<b>0.25</b>	<b>25</b>	<b>2500</b>
<b>0.05</b>	<b>5</b>	<b>500</b>
<b>0.05</b>	<b>5</b>	<b>500</b>



<b>0.1</b>	<b>10</b>	<b>1000</b>
<b>0.02</b>	<b>2</b>	<b>200</b>
<b>0.05</b>	<b>5</b>	<b>500</b>



<b>0.1</b>	<b>10</b>	<b>1000</b>
<b>0.01</b>	<b>1</b>	<b>100</b>
<b>0.01</b>	<b>1</b>	<b>100</b>

