

SUPPLEMENTARY INFORMATION
TECHNICAL SPECIFICATION REPORT
DOSE EQUIVALENT IODINE

1. Reactor power history starting 48 hours prior to the first sample in which the limit was exceeded.

DATE	TIME	AVERAGE REACTOR POWER
8-12-80	03:00	100%
8-13-80	14:00	
8-13-80	15:00	73%
8-13-80	16:00	71%
8-13-80	17:00	83%
8-13-80	18:00	95%
8-13-80	19:00	100%
8-13-80	21:00	
8-13-80	22:00	90%
8-13-80	23:00	56%
8-14-80	:00	25%
8-14-80	01:00	1%
8-14-80	02:00	0%
8-14-80	04:00	

Fuel burnup by core region.

See Attachment "A"

3. Clean-up flow history starting 48 hours prior to the first sample in which the limit was exceeded.

Purification flow was a constant 80 GPM for the entire 48 hour period prior to exceeding the DEQ iodine limit.

4. History of degassing operation, if any, starting 48 hours prior to the first sample in which the limit was exceeded.

There were no degassing operations during the 48 hours prior to exceeding the DEQ iodine limit.

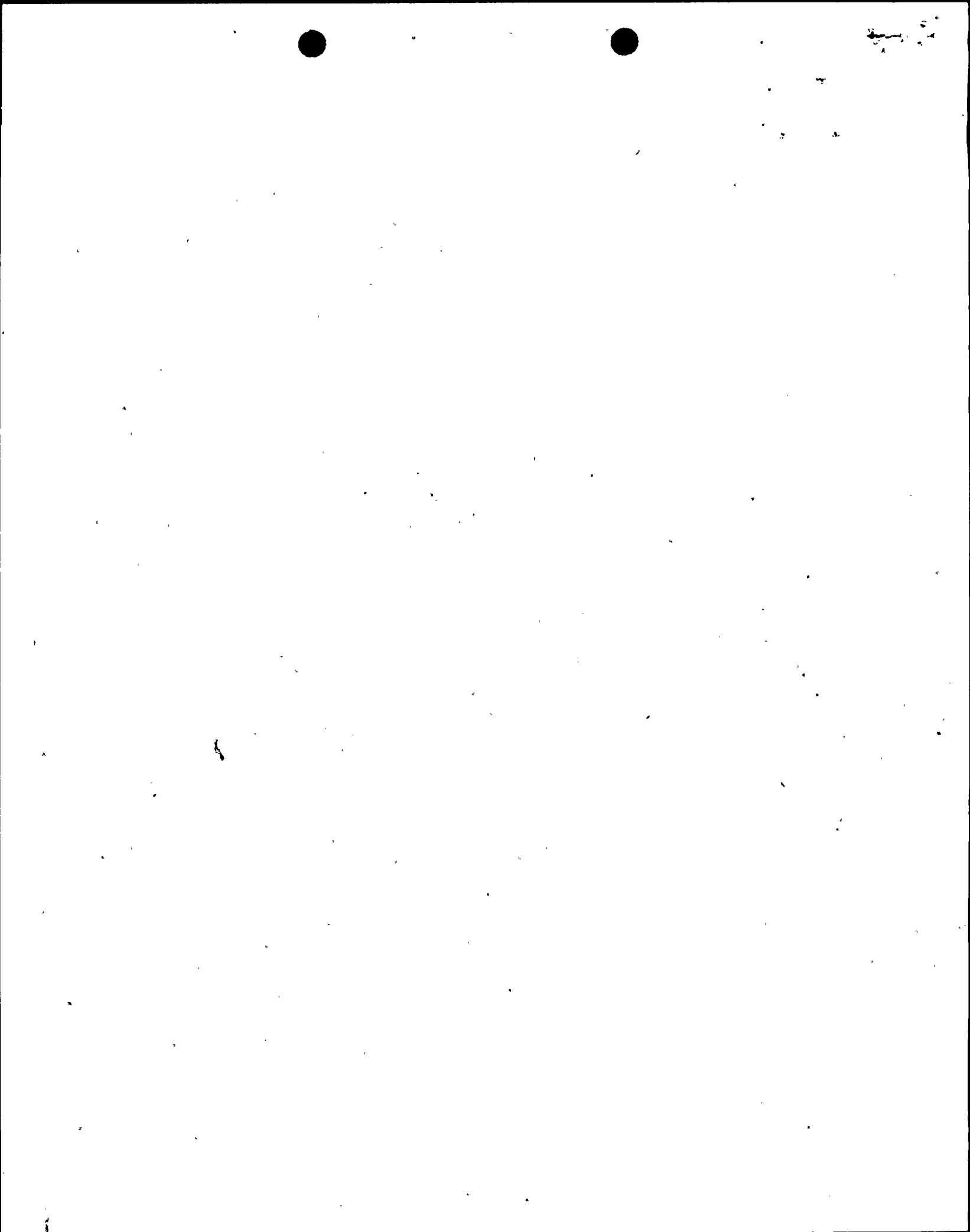
5. The time duration when the specific activity of the primary coolant exceeded 1.0 μ Ci/gram dose equivalent I-131.

DEQ iodine exceeded 1.0 μ Ci/gram for approximately 8.5 hours. .

RESULTS OF COOLANT SPECIFIC ACTIVITY ANALYSIS ($\mu\text{Ci}/\text{gram}$)

<u>DATE</u>	<u>TIME</u>	<u>I-131</u>	<u>I-132</u>	<u>I-133</u>	<u>I-135</u>	<u>DEQ</u>
8-13-80	0905					0.0768
8-13-80	1400	Dropped CEA #7				
8-13-80	1515					0.105
	1715					0.152
8-14-80	0320	0.7144	0.2256	2.169	0.2362	1.317
	0400	0.8044	0.2234	0.6963	0.2550	1.021
	0453	1.136	0.2621	1.910	0.3403	1.69
	0745	1.065	0.1646	0.8874	0.2631	1.332
	0952	0.8939	0.1119	1.828	0.1697	1.406
	1155	0.8283	0.0951	0.6375	0.1320	1.015
	1400					0.88

DEQ iodine continued decreasing and stabilized at approximately 0.025 $\mu\text{Ci}/\text{gram}$ on 8-18-80.



DATE

8-13-80

Florida Power & Light Company FUEL BURNUP PER ASSEMBLY

St. Lucie Plant Unit No. 1

✱

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LICENSEE EVENT REPORT
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ATTACHMENT "A"

↑
N

	Y	X	W	V	T	S	R	P	N	M	L	K	J	H	G	F	E	D	C	B	A	
21									.142	.194	.194	.142										
20					.139	.190	.188	1.085	1.836	1.090	.187	.189	.135									
19				.132	.746	1.052	.979	.981	.250	.986	.979	1.046	.752	.134								
18		.134	.169	1.991	.224	1.931	.221	2.047	.220	.937	.224	1.969	.169	.131								
17		.134	.759	1.981	.857	1.668	.827	1.912	1.185	1.893	.821	1.719	.865	1.968	.739	.136						
16		.184	1.073	.223	1.740	.238	1.705	.219	1.807	.204	1.680	.232	1.664	.220	1.073	.186						
15		.182	.965	1.946	.808	1.707	.879	1.815	1.190	1.809	.871	1.708	.806	1.948	.964	.184						
14	.135																					.139
13		1.075	.976	.218	1.903	.216	1.803	.208	1.204	.206	1.811	.215	1.871	.217	.963	1.084						
12	.186																					.189
11		1.824	.224	2.061	1.942	1.821	1.200	1.204	2.668	1.189	1.187	1.789	1.168	2.030	.225	1.806						.178
10	.185																					.178
9		1.085	.967	.217	1.872	.216	1.791	.206	1.211	.206	1.803	.214	1.853	.218	.969	1.084						.131
8	.134																					.131
7		.172	.943	1.931	.797	1.701	.872	1.805	1.198	1.820	.866	1.710	.830	1.934	.972	.171						
6		.182	1.083	.220	1.671	.234	1.707	.215	1.800	.215	1.687	.234	1.731	.222	1.080	.181						
5		.135	.744	1.991	.867	1.733	.816	1.903	1.193	1.913	.817	1.675	.861	1.980	.756	.134						
4		.133	.167	1.990	.216	1.923	.217	2.054	.220	1.941	.223	1.987	.167	.133								
3			.131	.747	1.067	.963	.981	.228	.992	.972	1.036	.755	.133									
2				.135	.181	.182	1.087	1.828	1.097	.187	.190	.139										
									.139	.191	.192	.141										

✱ 1.E + 4, MWD/MTU

