

*HRR*  
**From:** Naeem IQBAL  
**To:** Ronald Langstaff  
**Date:** 07/30/2004 10:29:55 AM  
**Subject:** Kewaunee Nuclear Plant Fire Modeling Results

Ron,

Attached are HRR and hot gas layer plots.

Naeem

**CC:** Mark Salley

*A-3*

**Mail Envelope Properties** (410A696D.1C9 : 0 : 37820)

**Subject:** Kewaunee Nuclear Plant Fire Modeling Results  
**Creation Date** 07/30/2004 10:29:49 AM  
**From:** Naeem IQBAL  
  
**Created By:** NXI@nrc.gov

**Recipients**

nrc.gov  
RAL4 (Ronald Langstaff)

nrc.gov  
MXS3 CC (Mark Salley)

**Post Office**

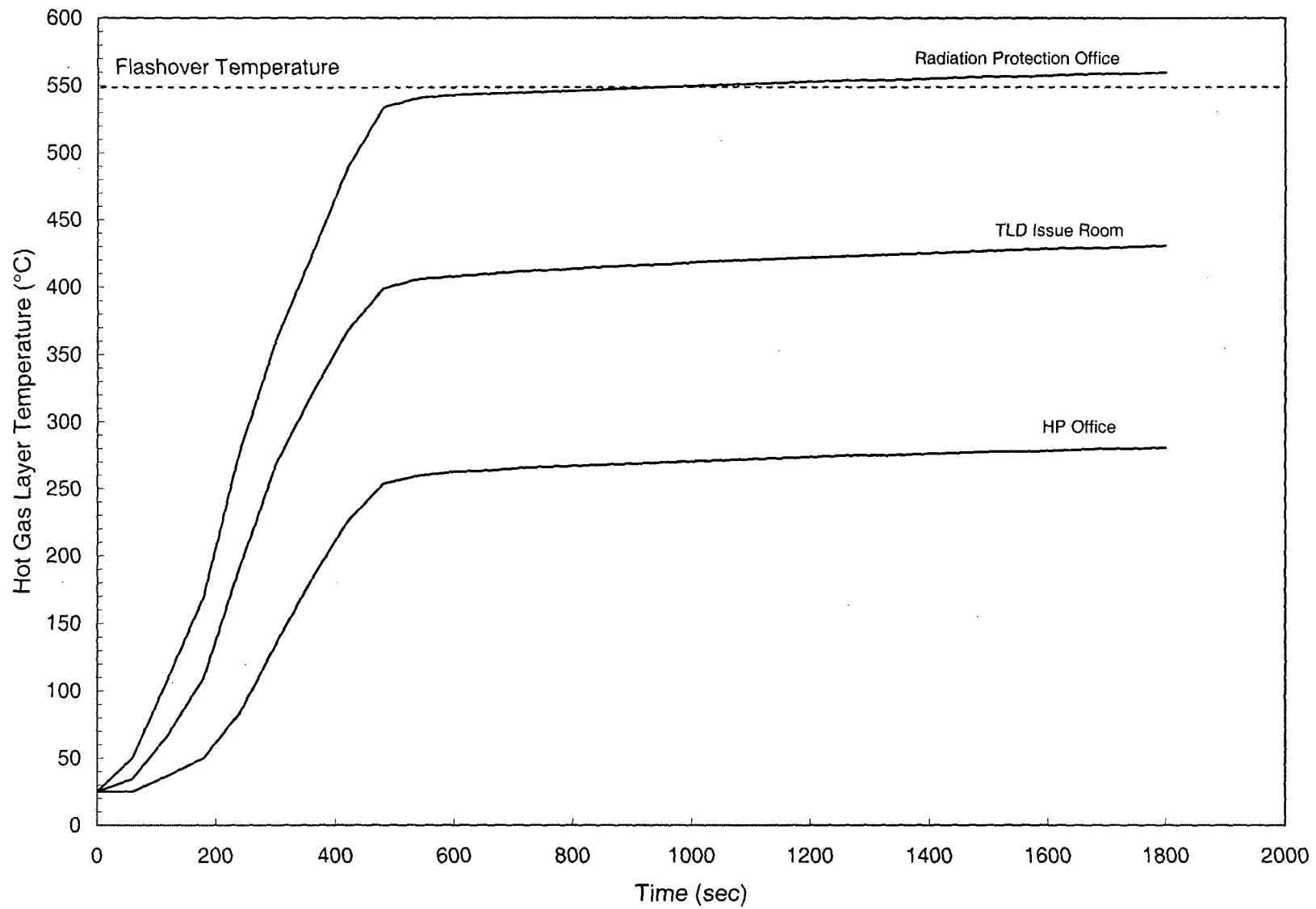
**Route**  
nrc.gov  
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<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	729	07/30/2004 10:29:49 AM
Temp_Compartment.xls	23040	07/30/2004 11:11:27 AM
HRR_Rad_Pro_Office.xls	20992	07/30/2004 11:13:57 AM

**Options**

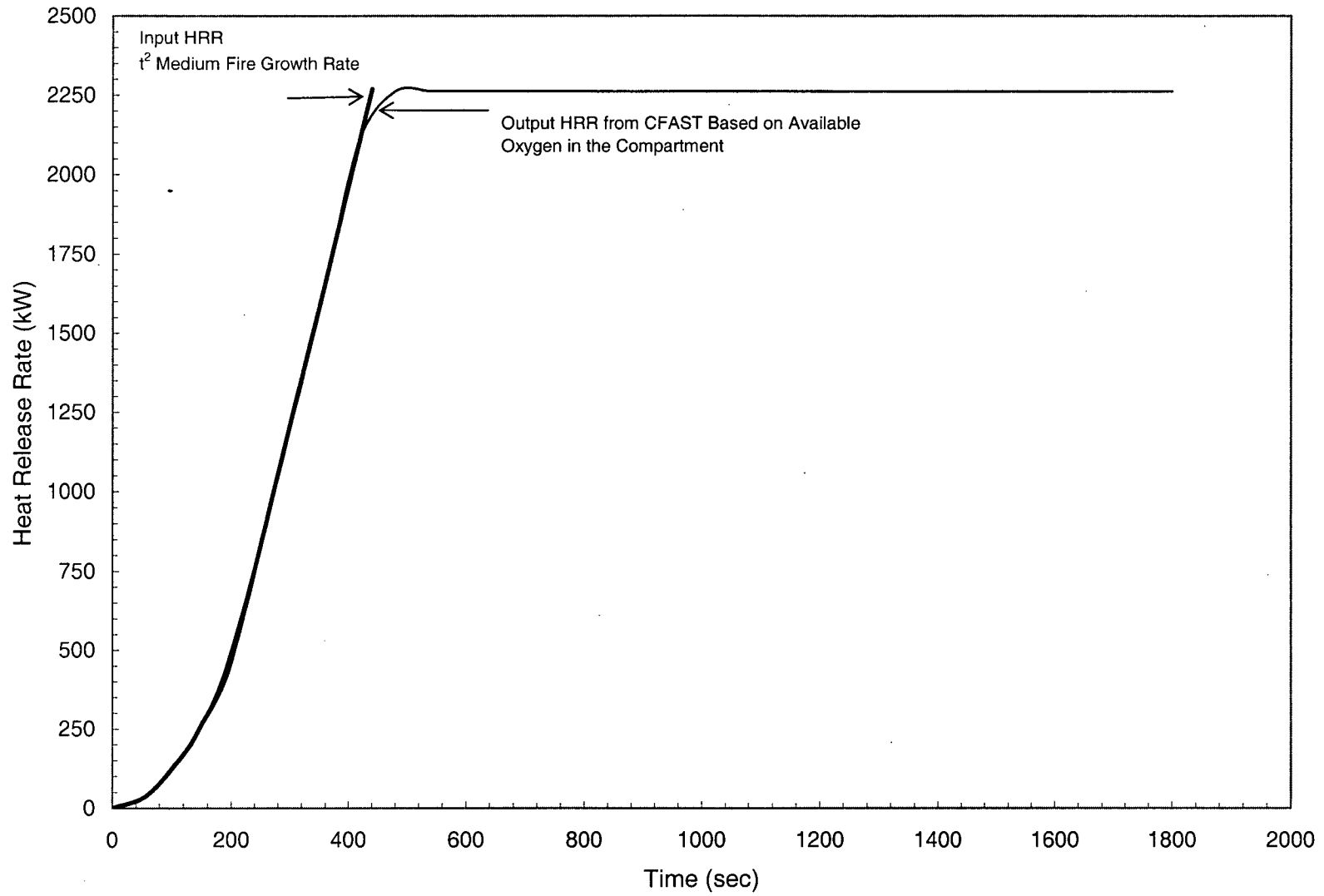
**Expiration Date:** None  
**Priority:** Standard  
**ReplyRequested:** No  
**Return Notification:** None

**Concealed Subject:** No  
**Security:** Standard



Temperature in Radiation Protection Office, TLD Issue Room, and HP Office

0	25	25	25
60	50	34.4	25
120	109	67.2	37
180	170	110	50.3
240	279	192	83.7
300	361	269	135
360	424	321	183
420	489	368	226
480	534	399	254
540	541	406	260
600	543	408	263
660	544	410	264
720	545	412	266
780	546	413	267
840	547	415	268
900	548	416	269
960	549	417	270
1020	550	419	271
1080	551	420	272
1140	552	421	273
1200	553	422	274
1260	554	423	275
1320	554	424	275
1380	555	425	276
1440	556	426	277
1500	557	427	278
1560	557	428	278
1620	558	429	279
1680	559	429	280
1740	559	430	280
1800	560	431	281



Heat Release Rate for Radiation Protection Office

0	0	0	0
60	42.192	60	42.2
120	168.768	120	169
150	263.7	180	387
200	468.8	240	769
440	2268.992	300	1218
		360	1667
		420	2115
		480	2262
		540	2262
		600	2262
		660	2262
		720	2262
		780	2262
		840	2261
		900	2261
		960	2261
		1020	2261
		1080	2261
		1140	2261
		1200	2261
		1260	2261
		1320	2261
		1380	2261
		1440	2261
		1500	2261
		1560	2261
		1620	2261
		1680	2261
		1740	2261
		1800	2261