

AEROTEST OPERATIONS, INC.

3455 FOSTORIA WAY • SAN RAMON, CA 94583 • (925) 866-1212 • FAX (925) 866-1716

15 July 2010

Director of Inspection and Enforcement U.S. Nuclear Regulatory Commission Washington, D.C. 20555

Subject:

Annual Summary of Changes, Tests, and Experiments at Aerotest

Radiography and Research Reactor (ARRR), Docket No. 50-228, for the

period of 1 July 2009 to 30 June 2010.

Gentlemen:

The enclosed report summarizes the ARRR operations from July 1, 2009 through June 30, 2010. This submittal complies with the requirements set forth in 10 CFR 50.59, "Authorization of Changes, Tests and Experiments." Summary forms of monthly operations and unscheduled power reductions are included.

No new or unusual problems have been noted during the year and reactor operations have remained stable with respect to safety and reliability.

Sincerely,

Alfredo W. Meren Reactor Supervisor

Aerotest Operations, Inc.

Llydo Ev Merin

4020

ANNUAL SUMMARY OF CHANGES, TESTS AND EXPERIMENTS PERFORMED AT THE

AEROTEST RADIOGRAPHY AND RESEARCH REACTOR

(ARRR)

DOCKET NO. 50-228

FOR THE PERIOD ENDING JUNE 30, 2010

BY

ALFREDO W. MEREN REACTOR SUPERVISOR

APPROVED BY

Sandred War

SANDRA L. WARREN GENERAL MANGER

AEROTEST OPERATIONS, INC.

SECTION I.

Part 1 - Changes

 Updated Procedures and Safety Analysis Report have previously been submitted to the Nuclear Regulatory Commission as part of the facility's relicensing application package. No changes have yet been implemented.

Part 2 – Experiments

No new experiments were performed during the year. The experiments performed in this reporting period were as follows:

Experiment No. 114: Neutron radiography performed in the radiography facilities.

SECTION II

ARRR MONTHLY OPERATING SUMMARY

Date (Operating Hours	Kilowatt- Hours	Accumulated kW-h	Expts & Irradiations	Unscheduled Shutdowns
7-09	136	21,794	13,838,466	23	0
8-09	135	21,668	13,860,134	23	0
9-09	125	20,049	13,880,183	22	0
10-09	132	24,230	13,904,413	23	3
11-09	127	23,347	13,927,760	23	1
12-09	142	26,082	13,953,842	23	5
1-10	119	21,857	13,975,699	18	0
2-10	129	23,679	13,999,378	23	1
3-10	148	27,252	14,026,630	27	0
4-10	150	28,018	14,054,648	23	0
5-10	140	26,116	14,080,764	26	0
6-10	145	27,110	14,107,874	26	1
Totals	1628	291,202	14,107,874	280	11

ARRR UNSCHEDULED POWER REDUCTIONS

TYPE OF SCRAM							CHANNEL AFFECTED						
NO.	DATE	AUTO	MAN	Spurious	OP. ERROR	CAL	1	2	3	4	Earthquake	H2O	COMMENTS
1	10-13-09	X		X			Х	. X	X	Х			power outage
2	10-14-09	X		X			Х	X	X	Х			shim rod drop
3	10-29-09	X		Х			X	Х	X	Х			power surge
4	11-23-09	X		X			Х	Х		Х			no visible alarm
-5	12-10-09	X		Х			X	X	X	X		"	shim rod drop
6	12-15-09	X		X			Х	X	X	Х			no visible alarm
7	12-16-09	X		X			X	X	X	Х			no visible alarm
8	12-17-09	X		X			Х	X	X	Х			no visible alarm
9	12-17-09	X		X			Х	Х	X	Х			no visible alarm
10	2-10-10	X		Х			X	Х	X	Х			power surge
11	6-1-10	X		Х			Х	Х	X	Х			reg rod drop due
12	,												to loose bulb in
13													CONT/ON lamp
14													
15						<u> </u>							
16													
17													
18											<u> </u>		
19	·										,		
20										Ŀ			
21													
22				ļ				ļ		<u> </u>			
23								<u> </u>	ļ	<u> </u>			
24							ļ		<u></u>	ļ			
25			-,				ļ	ļ		ļ			
26							 	<u> </u>		ļ			
27		ļ					I			<u> </u>			
28		,		<u> </u>		<u> </u>	 	<u> </u>	_	<u> </u>			
29				<u> </u>		ļ	 		<u> </u>	_			
30					ļ		 			_			
31							Щ.	<u> </u>		<u> </u>			
32				ļ				<u> </u>		_			
33							<u> </u>			<u> </u>			
34										<u> </u>			
35													
36													
37					,								
38					·							<u> </u>	
39							<u> </u>		ļ	_			
40										<u> </u>			