



AEROTEST OPERATIONS, INC.

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28 July 2011

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 2010 to 30 June 2011.

Gentlemen:

The enclosed report summarizes the ARRR operations from July 1, 2010 through June 30, 2011. 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.

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NRC

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, 2011

BY



ALFREDO W. MEREN
REACTOR SUPERVISOR

APPROVED BY



SANDRA L. WARREN
GENERAL MANAGER

AEROTEST OPERATIONS, INC.

SECTION I

Part 1 - Changes

Due to its unsuccessful attempt to avoid closure of its facility by working with the federal government to secure a commercial transfer of the facility and to comply with NRC requirements to resolve foreign ownership issues, Aerotest Operations, Inc. voluntarily ceased reactor operations on Oct. 15, 2010.

EnergySolutions, LLC has been commissioned by Aerotest Operations, Inc. to develop a Decommissioning Plan for the facility, which will include a Historical Site Assessment, Characterization Plan, Characterization Report, Environmental Report and a report of estimated neutron activation products in facility structural materials for the possible closeout and release of the facility.

Part 2 - Experiments

No new experiments were performed during the year. The experiment performed in the reporting period was 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
7-10	150	28,143	14,136,017	25	0
8-10	145	27,087	14,163,104	27	1
9-10	133	25,071	14,188,175	23	2
10-10	47	7,853	14,196,028	11	0
11-10	0	0	14,196,028	0	0
12-10	0	0	14,196,028	0	0
1-11	2	293	14,196,321	0	3
2-11	0	0	14,196,322	0	0
3-11	0	0	14,196,322	0	0
4-11	0	0	14,196,322	0	0
5-11	0	0	14,196,322	0	0
6-11	0	0	14,196,322	0	0
Totals	477	88,447	14,196,322	86	6

ARRR UNSCHEDULED POWER REDUCTIONS

TYPE OF SCRAM							CHANNEL AFFECTED					COMMENTS	
NO.	DATE	AUTO	MAN	Spurious	OP. ERROR	CAL	1	2	3	4	Earthquake		H2O
1	8-28-10	X		X					X				CH3 high spurious
2	9-1-10	X		X					X				CH3 high spurious
3	9-8-10	X		X			X	X	X	X			no visible alarm
4	1-5-11	X		X			X	X	X	X			dropped rod?
5	1-24-11	X			X		X	X	X	X			switching ranges
6	1-24-11	X		X						X			CH4 low hysteresis
7													
8													
9													
10													
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