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AUTH.NAME AUTHOR AFFILIATION
MAIER,J.E. Baltimore Gas & Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
CRUTCHFIELD,D. Operating Reactors Branch 5

SUBJECT: Discusses results of containment surveillance program conducted on 810713-22.Detailed evaluation will be submitted by 810930.

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JOHN E. MAIER
VICE PRESIDENT

TELEPHONE
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July 29, 1981

Director of Nuclear Reactor Regulation
Attention: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Containment Tendon Surveillance Program
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Crutchfield:

The 1981 Tendon Surveillance began on July 13th and was completed on July 22nd. A total of eighteen (18) tendons were tested to determine their current lift off force. None of the tendons were found to have a force level less than the technical specification limit of 636 kips. The average tendon force was 714.5 kips which was derived from a weighted average of fourteen (14) tendons retensioned in June 1980 and four (4) tendons retensioned at 1000 hours after initial stressing.

The attached Table 1 lists for each tendon the last lock off force, predicted and measured lift off force and a ratio of measured over predicted lift off force. Predicted lift off forces were based on curves of tendon losses from initial pre-stressing to the retensioning in June 1980.

Two (2) load cells were reinstalled under tendon heads 93 and 133 and later calibrated. The remaining two (2) load cells under tendon heads 13 and 63 were recalibrated to check the previous calibrations. All four load cells are currently functioning and monitoring tendon forces.

A detailed evaluation of the tendon surveillance results will be presented in a final report of the Ginna Tendon Evaluation. This report will be submitted by about September 30, 1981.

Very truly yours,

John E. Maier

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Attachment

TABLE 1

Tendon Surveillance Results

Tendon No.	Seq.	Lock Off (Last) (Kips)	Predicted Lift Off (Kips)	Measured Lift Off (Kips)	Measured / Predicted
13	1	761	737	730	0.991
155	2	754	745	738	0.991
17	3	776	760	727	0.957
21	4	765	749	725	0.968
51	5	765	748	710	0.949
53	6	761	742	734	0.989
62	7	773	754	716	0.950
63	8	769	740	722	0.976
74	9	746	680	731	1.075
76	10	754	729	713	0.978
84	11	753	732	714	0.975
93	12	761	740	713	0.964
125	13	768	755	705	0.934
133	14	757	734	734	1.000
33	15	770	655	679	1.037
36	16	763	667	657	0.985
111	17	744	637	646	1.014
116	18	757	634	690	1.088