



## LAKE ENGINEERING CO.

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November 7, 2019

U S Nuclear Regulatory Commission  
Attn: Document Control Room  
Washington, DC 20555-0001

Subject: Potentially Degraded Snubber SF1154 Hydraulic Fluid Batch ZJS1518  
Final Report per 10 CFR Part 21

We have completed our evaluation pertaining to fluid from the subject batch that was provided by Lake Engineering Company and have concluded that it does not represent a substantial safety hazard at any of the US nuclear plants to which it was provided or at which it was ultimately used. The plant specific status in this regard is summarized in the below table:

FACILITY	STATUS RE: BATCH ZJS1518 FLUID	COMMENTS
Three Mile Island	Fluid used in one safety related snubber	No substantial safety hazards
Nine Mile Point	Fluid used in one safety related snubber	No substantial safety hazards
Clinton	Fluid used in some installed snubbers	No substantial safety hazards
Point Beach Unit 2	Fluid used in one safety related snubber	No substantial safety hazards
Duane Arnold	Fluid used in some installed snubbers	No substantial safety hazards
Indian Point 2 <sup>1</sup>	Fluid used in one installed snubber	No substantial safety hazards
Palisades <sup>2</sup>	Fluid used in one safety related snubber	No substantial safety hazards

- 1 Fluid was originally provided to Wyle Laboratories (currently NTS) and was subsequently installed in one snubber at Indian Point 2.
- 2 Fluid was originally provided to Fronek Anchor/Darling Enterprises where it was used in a Bergen-Paterson snubber that was then shipped to Palisades Station.

Very truly yours,

LAKE ENGINEERING COMPANY

D. P. Brown, P.E.  
President

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cc: P. Guay - QA Mgr.

IE19  
NRR