RELATED CORRESPONDENCE

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	)	
PUGET SOUND POWER & LIGHT COMPANY, et al.,	)	DOCKET NOS. STN 50-522 50-523
(Skagit Nuclear Power Project, Units 1 and 2)	)	

PREFILED TESTIMONY OF ALAN GREGORY
October 18, 1979

Q. Would you state your name and address please?

A. Alan Gregory, Gregory Geoscience Ltd., 1750 Corkwood Crescent, Ottawa, Canada K2C2E5. A statement of my qualifications will follow.

Q. What have you done in relation to the Skagit Nuclear Project?

A. Two independent summary analyses of continued aeromagnetic data and Landsat-Sattelite data were completed in six man-days of work. To date these analyses have yet to be integrated with each other or with krown geography, topography, or other data.

Q. Would you express your tentative conclusions?

A. A complex of older east striking faults occurs in the Skagit River Valley and, to a lesser extent, south of the Valley. A complex of younger, northwest striking

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faults and shear zones cut and offset the older faults. The younger faults are subparallel to, and include, the proposed Bellingham Bay-Lake Chaplin fault. North striking faults of undetermined relative age occur also. The thrust plane of a Church Mountain-Decatur plate has not been defined yet. In the immediate vicinity of the plant site there are two east striking faults with major strike offset. Of these two east-west trending faults, one comes within 1/2 mile of the southern boundary to the proposed plant site, the other two north striking faults of undetermined magnitude can be found along the eastern border of the proposed plant site. These faults are quite different from those proposed by EdCon.

Q. Will you be refining your analysis?

A. Yes, and I will submit expanded testimony at that time.