

DCS - MS 016

JUL 29 1981

Docket No. 50-309

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MEMORANDUM FOR: F. Wayne Houston, Chief
Ident Evaluation Branch
Division of Systems Integration

THRU: Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

FROM: Glode Requa, Project Manager
Operating Reactors Branch #3
Division of Licensing

SUBJECT: MAINE YANKEE - EXCLUSION AREA BOUNDARY (EAB) ATMOSPHERIC
DISPERSION FACTOR (X/Q) CALCULATIONS



Maine Yankee has submitted their accident X/Q value of 5.36×10^{-4} sec/m³, for 0-2 hours and 610 m Exclusion area Boundary, which was obtained by application of the SKIRON Code, described in attachment 1, to site meteorological data spanning from January to December 1977 which was adjusted to take account of the change in acceptable exceedance probability from the value of 0.6% called for in the draft Regulatory Guide 1.XXX at the time the calculation was originally performed to the current acceptable exceedance probability of 0.5%, specified in Regulatory Guide 1.145.

Attachment 2 documents the atmospheric dispersion factor calculation using 1977 data and attachment 3 documents the atmospheric dispersion factor calculation using 1979 meteorological data.

Please have attachments 1, 2 & 3 reviewed and provide a written determination on the adequacy and accuracy of the Maine Yankee accident X/Q methodology and results by August 14, 1981. The attachments should be returned to me at that time, TAC No. 46680 should be used for this effort.

Original signed by:

Glode Requa, Project Manager
Operating Reactors Branch #3
Division of Licensing

Attachments:
As stated

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PDR AD0CK 05000309
PDR

OFFICE	ORB#3:DL	ORB#3:DL	ORB#3:DL			
SURNAME	PMKreutzer	GRequa/pn	RAClark			
DATE	7/21/81	7/29/81	7/29/81			