

U. S. Dept. of Commerce (MCSA)  
East and Coast Geodetic Survey  
Baltimore, Md. (J. Tison, Jr.)

DATE OF DOCUMENT: <b>12-13-67</b>	DATE RECEIVED <b>12-21-67</b>	NO.: <b>4182</b>
LTR. <b>X</b>	MEMO:	REPORT:
		OTHER:

Gold Price

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the following in accordance  
with:

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**Nowell: 12-22**

**w/1 cy. — FOR ACTION**

(10 copies rec'd)

two-page) On The Site Seismicity  
Three Mile Island Nuclear Station  
Pittsburgh, Pa., dated 12-12-67

Info Copies to:

**H. Price & Staff**

**Boyd**

**Levine**

**Morris/Skovholt**

**Long:**

**w/original**

**2-extras**

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**1-T. Conner (OGC)**

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U. S. ATOMIC ENERGY COMMISSION

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U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY  
ROCKVILLE, MD. 20852

50-587

December 13, 1967

IN REPLY REFER TO: C23

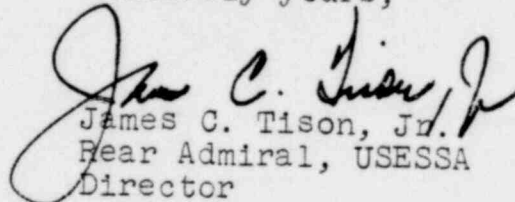
Mr. Harold L. Price  
Director of Regulations  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. Price:

In accordance with your request, we are forwarding 10 copies of our report on the seismicity of Dauphin County, Pennsylvania, and vicinity. The Coast and Geodetic Survey has reviewed and evaluated the information on the seismic activity of the area as presented by the Metropolitan Edison Company in their "Preliminary Safety Analysis Report" and we are now submitting our conclusions on the seismicity factors.

If we may be of further assistance to you, please do not hesitate to contact us.

Sincerely yours,

  
James C. Tison, Jr.  
Rear Admiral, USESSA  
Director

Enclosure

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REPORT ON THE SITE SEISMICITY FOR THE THREE MILE  
ISLAND NUCLEAR STATION NEAR MIDDLETON, PENNSYLVANIA

At the request of the Division of Reactor Licensing of the Atomic Energy Commission, the Seismology Division of the Coast and Geodetic Survey has evaluated the seismicity of the area around the proposed reactor site on Three Mile Island, Londonderry Township, Dauphin County, Pennsylvania, and has reviewed the similar analysis made by the applicant in the "Preliminary Safety Analysis Report" of the Metropolitan Edison Company. The applicant's report of the seismicity of the area is comprehensive and satisfactory for evaluating the seismicity factor of the site.

Based upon the review of the seismic history of the site and the surrounding area and the related geologic considerations, the Coast and Geodetic Survey agree with the applicant that an acceleration of 0.06 g would be adequate for representing earthquake disturbances likely to occur within the lifetime of the facility. In addition, we agree that an acceleration of 0.12 g would represent the ground motion from the maximum earthquake likely to affect the site.

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We believe this value would provide the adequate basis for designing protection against the loss of function of components important to safety.

U. S. Coast and Geodetic Survey  
Rockville, Maryland 20852

December 12, 1967

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