



Wayne H. Jens
Vice President
Nuclear Operations

Fermi-2
6400 North Dixie Highway
Newport, Michigan 48186
(313) 586-4150

June 26, 1985
NE-85-0904

Mr. James M. Taylor
Director, Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Taylor:

- Reference: (1) Fermi 2
NRC Docket No. 50-341
NRC License No. NPF-33
- (2) Letter from Mr. Stanley
Nietubicz to NRC Region III
- (3) 50 FR 24602, Notice Re: Fermi 2

Subject: Evacuation and Localized Flood Conditions

Detroit Edison has reviewed the concern expressed by Mr. Stanley Nietubicz in the letter to the NRC noted as reference 2 above. Specifically, this concern related to flooding of the beach areas around Fermi 2, with emphasis on the Village of Estral Beach. This response is being submitted relative to the 10CFR2.206 notice contained in Reference (3) above.

Initially it should be noted that flooding of the Stoney Point beach area and the impact on Point Aux Peaux Road was briefly mentioned in the Atomic Safety and Licensing Board hearings in 1982. Flooding along the Lake Erie shoreline in the vicinity of Estral Beach is primarily a wind-induced phenomenon. The Fermi 2 Final Safety Analysis Report, Section 2.4.2.1.5, analyzed the most severe storms between 1966 and 1974. These storms and associated flooding were always accompanied by either northeast or east winds. A recent storm occurring March 30-31, 1985, exhibited these typical characteristics. Peak wind speed was approximately 40 mph and from the E-NE direction. Comparing the location of Estral Beach with the Fermi 2 reactor site shows that any release from Fermi 2 under such wind conditions will not be in the direction of Estral Beach and, in fact, will be away from it.

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Mr. B. J. Youngblood
June 26, 1985
NE-85-0904
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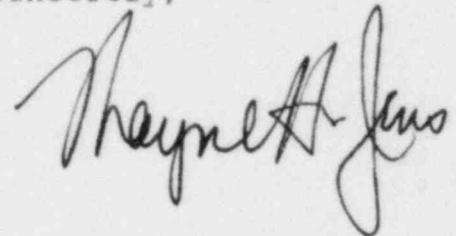
It is also important to note that flooding of this nature is not an instantaneous phenomenon. These flood-producing winds are generally in the range of 30-45 mph and sustained for 18-24 hours. As such, there is time for advanced warning via either the National Oceanographic and Atmospheric Agency (NOAA) or Emergency Broadcast System (EBS). Should an incident occur at Fermi 2 during a storm where local flooding has occurred, persons who had not already evacuated because of the flooding could be moved with Road Commission heavy vehicles (if an evacuation were considered to be the most appropriate protective action).

These isolated, temporary flooding conditions do not impact any of the paved, secondary routes which will be the primary routes used for evacuation. To improve access to these paved routes, Detroit Edison has voluntarily committed to assist Stoney Point and the Village of Estral Beach in the improvement of its unpaved roads as evidenced by the commitment letters attached herewith. To date, certain road enhancements have been initiated but have not yet been completed by these communities.

The likelihood of having an event at Fermi 2 requiring evacuation is extremely remote. The likelihood of such an event occurring simultaneously with a flood is even more unlikely. As such, Detroit Edison believes that the above concern does not present an undue risk to the health and safety of the public because of extremely low probability of such an occurrence and because of the availability of alternatives to move such a small number of people should it occur.

Any questions regarding this matter can be directed to Mr. O. K. Earle (313) 586-4211 or to Mr. Thomas Randazzo, RERP Supervisor, at (313) 586-4320.

Sincerely,



cc: Mr. P. M. Byron
Mr. F. Kantor
Mr. M. David Lynch
Mr. B. J. Youngblood
USNRC Document Control Desk
Washington, D. C. 20555

Maurice L. Vermeulen
Manager

T. RANDAZZO

DEC 9 1983

Wayne-Monroe Division
111 East First St.
Monroe, Michigan 48166
(313) 243-5341
1-397-4290

Detroit
Edison

December 8, 1983

Mr. John Powell, President
Village of Estral Beach
Monroe County, Berlin Township
P. O. Box 107
Newport, MI 48166

Dear Mr. Powell:

We have had several discussions with you regarding your request for an alternate evacuation route out of Estral Beach. You have stated that as part of improving the North Dike, you would like to provide a roadway on top of the dike for this purpose following the recommendations of your Engineers, Rama Rao & Alfred, Inc. You have requested that Detroit Edison contribute \$60,000 towards construction of this roadway.

As you know, representatives of the Monroe County Board of Commissioners have met with representatives of Detroit Edison to discuss the Board's concerns relative to Radiological Emergency Planning. One of the concerns discussed was an alternate evacuation route out of Estral Beach. The Board stated that if Detroit Edison would work with the elected officials of Estral Beach to address, and satisfy, Estral Beach's concern regarding such a route, the County Board would be satisfied.

To maintain our good relations with the Estral Beach Community and to foster a good neighbor relationship, we agree to participate in sharing the cost of constructing an alternate evacuation route out of Estral Beach.

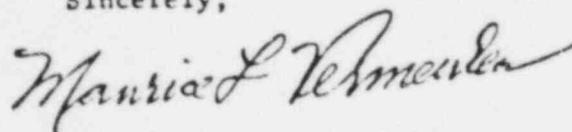
Please accept this letter as an agreement between Detroit Edison and the Village of Estral Beach to share in the cost of the construction of the alternate route as proposed by your Engineers, Rama Rao & Alfred, Inc. It is possible that rock may be made available from our Fermi site which could be crushed into 8" C.I.P. gravel for the roadway by your contractor.

Charges to Detroit Edison should be limited to \$50,000, less the cost of material made available by Edison. It is necessary that all charges must be documented so as to withstand any audit by Detroit Edison or outside agency.

Please proceed with the necessary work at your convenience. Contact T. Randazzo on 586-4320 to make arrangements for the aggregate.

If further discussion is necessary, please contact me.

Sincerely,



cc: A. T. Westover, Sr.

FEB 09 1984

RAMA RAO & ALFRED, INC.

18447 WEST 8 MILE ROAD
DETROIT, MICHIGAN 48219

CONSULTING ENGINEERS

(313) 535 - 9580

January 23, 1984

DETROIT EDISON COMPANY
Wayne-Monroe Division
111 East First Street
Monroe, Michigan 48161

Attention: Mr. Maurice L. Vermeulen,
Manager.

Subject: Financial Assistance for the Construction
of an Alternate Evacuation Route for the
Village of Estral Beach, Monroe County, Michigan.

Dear Mr. Vermeulen:

We have been advised by Mr. John Powell, President, Village of Estral Beach, to convey to you that the Village has accepted your offer for financial assistance in the amount of \$50,000.00 as your share towards the construction of the proposed alternate evacuation route.

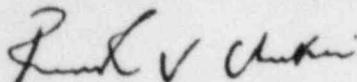
As desired by you, the Village of Estral Beach has also agreed to accept your letter of December 8, 1983, addressed to Mr. John Powell, as an agreement between the Village and Detroit Edison for sharing the construction cost for the abovementioned project.

The Village Council and Mr. Powell appreciate your cooperation and positive attitude towards the project. Further, the Village of Estral Beach considers it a matter of prime importance to maintain a cordial relationship with its neighbors, including Detroit Edison. We expect that the work will progress through mutual understanding and cooperation.

Currently, the Village is in the process of procuring funds for implementing some important projects, one of which is the dyke improvement project. We will be contacting you as soon as we start the project, or as necessary. Thank you.

Very truly yours,

RAMA RAO & ALFRED, INC.



Rama Rao V. Cherukuri, P.E.,
President

cc: Mr. John Powell, President
Village of Estral Beach

RVC/ew

Maurice L. Vermeulen
Manager

Wayne-Monroe Division
111 East First St.
Monroe, Michigan 48161
(313) 240-5341
1-397-4290

**Detroit
Edison**

T. RANDAZZO

SEP 26 1983

September 26, 1983

Mr. Robert J. Norwood, Supervisor
Frenchtown Township
Frenchtown Charter Township Hall
2744 Vivian Road
Monroe, MI 48161

Dear Mr. Norwood:

In several discussions with you regarding an alternate evacuation route out of Stony Point, you have agreed to take responsibility for managing such a project. As you are aware, we have provided testimony, accepted by the NRC, during the licensing hearings and it was determined that the existing roadway out of Stony Point is adequate as an evacuation route. However, to maintain our good relations with the community as a good neighbor, we agree to participate in the cost of constructing an alternate route for the Stony Point area.

The County Board of Commissioners arranged for an engineering feasibility study for such a route. This study was completed by Dansard-Grohnke-Long, Limited and was issued in April, 1983. The study included an estimated cost for the necessary work of \$125,000. The major portion of the cost (\$87,500) was for aggregate. We have a source of aggregate available from our Fermi site and we are investigating if it can be released to you.

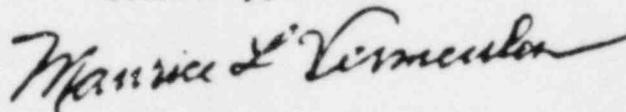
Please accept this letter as an agreement between Detroit Edison and Frenchtown Township for the construction of an alternate route out of Stony Point as recommended in the study conducted by Dansard-Grohnke-Long, Limited. Aggregate from the Fermi site may be made available to you and/or your contractor.

Charges to Detroit Edison should be limited to that contained in the engineering study less the cost of material available from Edison. Documentation of charges must withstand an audit.

Please proceed with the necessary work at your convenience. Contact T. Randazzo on 586-4320 to make arrangements for the aggregate.

If further discussion is necessary, please contact me.

Sincerely,



cc: A. T. Westover, Sr.

**Detroit
Edison**

Maurice L. Vermeulen
Manager

Wayne-Monroe Division
111 East First St.
Monroe, Michigan 48161
(313) 243-5341
1-397-4290

September 11, 1984

V. WANDAZZO
SEP 14 1984

Mr. Robert J. Norwood, Supervisor
Frenchtown Township
Frenchtown Charter Township Hall
2744 Vivian Road
Monroe, MI 48161

Dear Mr. Norwood:

Some time ago you hosted a meeting which included T. Hennessey, representatives of Detroit Edison, and James Spas to discuss the alternative evacuation route out of Stony Point. Subsequent to this meeting, J. Spas provided a list of items he felt necessary so the needs of the Brest Bay Grove Association could be met in conjunction with the construction of this new route. Although several months have elapsed since our meeting, we are now ready to address the J. Spas' list and the revised estimates by Hennessey Engineers, Inc.

In a letter to you dated September 26, 1983, the Detroit Edison Company agreed to contribute up to \$125,000 for the construction of an alternative route out of Stony Point as recommended in the study conducted by Dansard-Grohnke-Long, Limited. This study was performed through the Monroe County Road Commission. Subsequently, Hennessey Engineers, Inc., the Township Engineers, have revised this estimate to include a cost of approximately \$180,000 with stone secured from the Fermi site. Stone is no longer available from the site so we made an inquiry from both the Sibley Quarry and Franz Stone to determine costs of delivered stone. They appear to be competitive with each other and the cost approaches the Hennessey estimate for trucking and crushing or about \$5.50/ton.

Based on our meeting on this subject and the revised estimates of construction, we authorize you to proceed with construction of this alternative route at a project cost not to exceed \$216,000.

This authorization requires the Township to have all project management responsibility and includes several items delineated in J. Spas' letter. These requests can probably be satisfied by your construction specification bid if you include keeping the boat ramp in existence, providing signs identifying the evacuation route and addressing some ordinance and construction technique requests regarding road use and dust control. The other requests in J. Spas' letter, specifically items 1, 5, 6, 9 and 10 will not be authorized by Detroit Edison.

Mr. Robert J. Norwood
September 11, 1984
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It will be necessary that proper documentation of all costs associated with this construction be provided along with your requests for payment of bills. This documentation should be audit ready by either Detroit Edison or an outside Agency.

All bills, with proper Township authorization, should be sent to Mr. Thomas Randazzo and mailed to 6400 N. Dixie Highway, Newport, MI, 48166.

If you have any questions, please contact me directly or Tom Randazzo on 586-4320.

Sincerely,

Maurice L. Veerman

MLV/sak

cc: J. Spas
A. Westover, Sr.

bc: L. K. Bassett
H. F. Heffner
J. L. Jones
✓ I. Randazzo