

## PMFermiCOLPEm Resource

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**From:** Sandylakeerie@aol.com  
**Sent:** Wednesday, October 05, 2011 5:21 PM  
**To:** Muir, Jessie  
**Cc:** mkeeganj@comcast.net; Olson, Bruce; FermiCOL Resource  
**Subject:** Re: Closeout: 9/26/11 Meeting Between the NRC Staff and DTE to Discuss Respon...

Jeesie

Thanks for your response. I am not sure that the EIS will address the thermal concern, if the EIS does not include the thermal plume from the Monroe plant and Fermi 2.

These waters are subject to wind and also impacted by rain events that impact flow and direction. That couple with the fact that these waters are shallow - usually less than 18' - mean that there needs to be an assessment of the variance of water temperatures from the heated discharges as they 'ripple' away from the discharge. Where I live on the southern shores of Maumee Bay, the Toledo Edison Bayshore Power plant which uses about 750 mgd daily keeps the water from freezing two to three miles east from the plant. I can actually watch the path of the thermal plume and its path in the winter. It is never safe to ice skate or ice fish here - 2.3 miles east of the plant.

I suggest you 'truth' test the hypothetical thermal plume from the observed by assessing the thermal impacts distances amongst the two existing plants and then do the hypothetical on the third. The assessment needs to be done in the winter when it is fairly easy to see the extent of the thermal plume's impact on the water.

The thermal plume studies I have seen suggest the thermal plume is far less impactful than what the waters and ice tell us.

Thanks

Sandy Bihn

In a message dated 10/5/2011 4:54:17 P.M. Eastern Daylight Time, [Jessie.Muir@nrc.gov](mailto:Jessie.Muir@nrc.gov) writes:

Sandy,

Thanks for your comment about Lake Erie and associated thermal plume and water withdrawal concerns. The draft Environmental Impact Statement (EIS) we are preparing for Fermi Unit 3 does address these issues.

Your address (and email) is currently on the Fermi 3 mailing list so you will be receiving a copy of the draft EIS once its published. After its published, we will start a 75-day comment period. We encourage you to read the EIS and submit any comments you may have during that comment period. If you have any additional questions now or after you receive the draft EIS, please let me know and I will do my best to get you an answer.

Thanks,

Jessie

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**From:** Dent, Kimberly  
**Sent:** Wednesday, October 05, 2011 8:46 AM  
**To:** Olson, Bruce; Muir, Jessie  
**Cc:** [Sandylakeerie@aol.com](mailto:Sandylakeerie@aol.com); [mkeeganj@comcast.net](mailto:mkeeganj@comcast.net)  
**Subject:** FW: Closeout: 9/26/11 Meeting Between the NRC Staff and DTE to Discuss Respon...

Please see comment below

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**From:** [Sandylakeerie@aol.com](mailto:Sandylakeerie@aol.com) [<mailto:Sandylakeerie@aol.com>]

**Sent:** Wednesday, October 05, 2011 8:42 AM

**To:** Dent, Kimberly

**Cc:** [mkeeganj@comcast.net](mailto:mkeeganj@comcast.net)

**Subject:** Re: Closeout: 9/26/11 Meeting Between the NRC Staff and DTE to Discuss Respon...

The thermal plume from the Detroit Edison Monroe coal fired plant was a contributor - perhaps significant - to the algal blume that extended to bear the Detroit River. Though Fermi 3 will have a cooling tower - the additional water withdrawal and thermal plume need to be looked at in the EIS carefully. While NRCS/Detroit Edison claimed that the thermal plume from Monroe does not extend to Fermi 3 - I think that there is satellite imagery and scientists that would say otherwise.

In a very fragile western Lake Erie - this could be an argument that at a minimum this is the wrong location for a nuclear plant because of the problems in Lake Erie.

Sandy

In a message dated 10/5/2011 8:03:14 A.M. Eastern Daylight Time, [Kimberly.Dent@nrc.gov](mailto:Kimberly.Dent@nrc.gov) writes:

Accession No.: ML112720110

TO: Ryan Whited

FROM: Bruce Olson

DATE: September 29, 2011

SUBJECT: MEETING BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION  
STAFF AND DETROIT EDISON COMPANY TO DISCUSS RESPONSES TO REQUEST  
FOR ADDITIONAL INFORMATION FOR THE FERMI 3 PROJECT ENVIRONMENTAL  
REVIEW

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**Received Date:** 10/5/2011 5:21:50 PM  
**From:** Sandylakeerie@aol.com

**Created By:** Sandylakeerie@aol.com

**Recipients:**  
"mkeeganj@comcast.net" <mkeeganj@comcast.net>  
Tracking Status: None  
"Olson, Bruce" <Bruce.Olson@nrc.gov>  
Tracking Status: None  
"FermiCOL Resource" <FermiCOL.Resource@nrc.gov>  
Tracking Status: None  
"Muir, Jessie" <Jessie.Muir@nrc.gov>  
Tracking Status: None

**Post Office:** aol.com

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