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To: [Hamre, John G.](#)
Subject: Filing Accepted for Case: 08-2018-CV-02937; Environmental Law and Policy Center, et al. vs. North Dakota Public Service Commission, et al.; Envelope Number: 3293199
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Filing Accepted

Envelope Number: 3293199

Case Number: 08-2018-CV-02937

Case Style: Environmental Law and
Policy Center, et al. vs. North Dakota
Public Service Commission, et al.



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Filing Details	
Court	Burleigh County - South Central District
Case Number	08-2018-CV-02937
Case Style	Environmental Law and Policy Center, et al. vs. North Dakota Public Service Commission, et al.
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Filed By	John Hamre
Filing Attorney	Illona Jeffcoat-Sacco

Document Details	
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08-2018-CV-02937

Hamre, John G.

From: Fahn, Patrick J.
Sent: Tuesday, February 28, 2017 4:13 PM
To: Christmann, Randel D.; Fedorchak, Julie L.
Cc: Schuh, John M.; Jeffcoat-Sacco, Illona; Hamre, John G.
Subject: FW: Meridian Davis Refinery Info
Attachments: DavisRefineryPTCAApplication.pdf

I received this information from the Department of Health regarding the proposed Davis Refinery.

John, please docket in the I-case.

Patrick Fahn

Director, Public Utilities Division

North Dakota Public Service Commission

600 E Boulevard, Dept 408, Bismarck, ND 58505-0480

701-328-4077

pfahn@nd.gov

From: Kautzman, Rheanna M.
Sent: Tuesday, February 28, 2017 3:37 PM
To: Fahn, Patrick J. <pfahn@nd.gov>
Cc: Thorstenson, Craig D. <cthorstenson@nd.gov>
Subject: Meridian Davis Refinery Info

Hi Patrick,

Here (https://www3.epa.gov/ttn/atw/pte/june13_89.pdf) is an EPS guidance document where they have set policy/clarified rule regarding several Prevention of Significant Deterioration (PSD) topics (See Pages 12 -15). PSD is a higher level of pre-construction review than for smaller, non-PSD subject, sources. For Refineries, if they emit over 100 tons per year of any of the criteria pollutants (PM, CO, NOx, SO2, VOC, ...), they would be subject to the PSD review process.

Since Meridian has stated that they intend to build in two phases, up to a 55,000 bbl/day refinery, they needed to submit an air preconstruction application for the full project for Department review. They are applying under a synthetic minor permit to stay under 100 tons per year and out of PSD review—a situation which is discussed in the guidance document.

I hope this answers your question, if you have any more questions please let me or Craig know.

Rheanna Kautzman
Environmental Scientist
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October 6, 2016

Mr. Terry L. O'Clair, P.E.
Director, Division of Air Quality
North Dakota Department of Health
918 East Divide Avenue
Bismarck, North Dakota 58501

Dear Mr. O'Clair:

On behalf of Meridian Energy Group, Inc., I am pleased to submit the attached Permit Application for Air Contaminant Sources pursuant to obtaining a Permit to Construct for the proposed Davis Refinery Project in Billings County, just west of Belfield, North Dakota. This application and related documents includes our estimate of federally enforceable limits of CO, NO_x, PM₁₀, PM_{2.5}, O₃ (as VOCs), SO₂ and HAPs, for the proposed facility.

The Application and supporting documentation has been prepared by Vepica USA, Inc. and Zia Engineering and Environmental Consultants, LLC in accordance with requirements outlined within the Division of Air Quality's stationary source category designation in Section 33-15-14-01 and related National Ambient Air Quality Standards (NAAQS) for new sources. The process description information provided is based on the engineering design presently being developed by Vepica specifically for the complex, high-conversion crude oil refinery system proposed for the Project. The estimated Emissions Inventory for the Project was calculated in accordance with Environmental Protection Agency (EPA) guidelines, and EPA's Emission Estimation Protocol for Petroleum Refineries, Version 3, utilizing the Emission Factors compiled in AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources, including applicable published updates and supplements. The physical and operational design of the proposed Davis Refinery is reflected in the emissions inventory and in the selection of related control technologies and operational constraints proposed for the project. These add-on pollution control technologies and operational constraints result in emissions levels that allow the facility to qualify as a Synthetic Minor Source in accordance with the Division of Air Quality's requirements.

The emissions modeling and air quality impact analysis will follow under separate cover and will be contained in Exhibit D. The modeling was conducted by Vepica/ZIA on behalf of Meridian. The modeling was conducted in accordance with the Division of Air Quality Criteria Pollutant Modeling Requirements for a Permit to Construct, Site Specific Guidance issued by the Department for the Davis Refinery and other Departments and EPA guidance and policy

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documents, and the pre-application dispersion modeling protocol dated August 2016 and related comments of the Department received in memo dated September, 16, 2016. In conducting their analysis, Vepica/ZIA used EPA approved computer models appropriate for the type of source, projected emissions, and local area topography and meteorology to determine the ambient air quality impact consistent with the Department's guidance. The modeling results indicate that the potential Project emissions do not exceed significance levels for impacts to adjacent properties and will therefore not cause an exceedance of the Ambient Air Quality Standards (AAQS) or the PSD Class I increment levels and Air Quality Related Values (AQRVs) for the Theodore Roosevelt Memorial National Park.

Meridian Energy Group has on several occasions discussed the proposed Project with representatives of the Division of Air Quality prior to submitting this Application. The information and advice received during each of those discussions has been extremely helpful, and has been incorporated into this Application and its exhibits. Meridian plans to continue to work closely with your Agency during your review of this Application. Meridian will be coordinating with NDDoH personnel this week regarding the transfer of electronic files of calculation notes and airshed modeling. A digital master disk of the entire Application (including Exhibit D) will be delivered to the Department under separate cover.

It is Meridian's intention to meet with you and other members of your staff, at your convenience, in the near future to discuss the Project in greater detail and address any questions concerning the Project that you may have based upon your review of the Application. Please call if you have any questions or comments in the interim.

Sincerely,
MERIDIAN ENERGY GROUP, INC.


Tom Williams
Vice President, Planning & Permitting