

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426
December 30, 2008

OFFICE OF ENERGY PROJECTS

In Reply Refer To:
OEP/DG2E/Gas 3
Bradwood Landing LLC
NorthernStar Energy LLC
Docket Nos. CP06-365-000 and
CP06-366-000

John Buchovecky
VanNess Feldman
1050 Thomas Jefferson St., NW
Washington, DC 20007

RE: Compliance with Conditions 29 and 33 of the Order

Dear Mr. Buchovecky:

On November 17, 2008 and November 26, 2008, Bradwood Landing LLC and NorthernStar Energy LLC (hereafter referred to collectively as NorthernStar) filed information related to environmental conditions 29 and 33 of the Federal Energy Regulatory Commission's (FERC or Commission) September 18, 2008 Order (Order) approving the Bradwood Landing Liquefied Natural Gas (LNG) and Pipeline Project. Based on our review of the wake stranding and shoreline erosion studies and NorthernStar's plan for screening of engine cooling and ballast water, we have determined that additional data is needed to fully comply with the conditions, as described further below.

We do not believe that NorthernStar's wake stranding and shoreline erosion studies adequately address comments raised by the FERC, the National Marine Fisheries Service, Columbia River Inter-tribal Fish Commission, and Oregon Department of Environmental Quality at a November 6, 2008 interagency meeting. Specifically, the studies need to be supplemented to describe the sediment transport and estimated bed level changes for the proposed scenarios over a 1-year period. The results should present the range of predicted change in sediment transport as well as the predicted "typical" change in sediment transport over a 1-year time frame. Discharge data from the Beaver Army Terminal should be used in this analysis. Results from prior modeling runs in the area should be used to compare predictions. Existing qualitative and quantitative geomorphic data should be used to "test" the validity of the sediment transport results. Existing data that could be utilized includes aerial photos, existing cross sections and dredge records at the sites in question.

Impacts on federally listed salmonids due to alterations in sediment transport should be analyzed on a species-specific level. For example, life history, run timing, and habitat requirements for each species should be incorporated into the analysis to fully describe potential impacts to each Evolutionarily Significant Unit (ESU)/Distinct Population Segment (DPS) due to alterations in sediment transport. This should include specific analysis of potential impacts within Clifton Channel as well as along Hunting, Price, and Ryan Islands. The effects of hull shape should also be included in the analysis of potential impacts on salmonids due to shoreline erosion associated with LNG ship traffic.

In addition, NorthernStar should provide a draft side-slope monitoring plan which includes: 1) the frequency of monitoring activities, 2) methods proposed for monitoring, 3) thresholds for implementing slope protection measures, 4) proposed slope protection measures, and 5) an adaptive management plan.

We do not believe information filed to date on NorthernStar's proposed permeable curtain system meets the requirements of environmental condition 33 for "a comprehensive plan, including engineering designs" and "monitoring, reporting, and adaptive management strategies." The proposed permeable curtain system is conceptual in its details and would not ensure that only screened water would be delivered to LNG carriers for engine cooling and ballast. NorthernStar must explain how the system would prevent fish from swimming under the LNG carrier from the port side or modify the proposed design as necessary to comply with the intent of the condition. Because not all carriers calling at the LNG terminal would be capable of limiting water intakes to only the starboard sea chest(s), NorthernStar should explain how it would prevent the taking of fish from port side or keel sea chest openings. NorthernStar should identify any examples of similarly designed screening systems that have been constructed or operated. In addition, NorthernStar should describe available processes for technical review and certification (e.g., "approval in principal") of its permeable curtain design by a standards developing organization or classification society.

File your responses to this letter in accordance with the provisions of the Commission's Rules of Practice and Procedure. In particular, 18 Code of Federal Regulations (CFR) 385.2010 (Rule 2010) requires that you serve a copy of the response to each person whose name appears on the official service list for this proceeding. File all responses under oath (18 CFR 385.2005) by an authorized representative of NorthernStar and include the name, position, and telephone number of the respondent to

each item. **Please file a complete response within 20 days of the date of this letter.** The response must be filed with the Secretary of the Commission at:

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First St., N.E., Room 1A
Washington, DC 20426

If certain information cannot be provided within this time frame, please indicate which items will be delayed, and their projected filing dates. **Failure to file timely, accurate, and complete responses will only delay the submittal of the Biological and Essential Fish Habitat Assessments.**

When filing documents and maps, be sure to prepare separate volumes, as outlined in “**Guidelines for Filling Critical Energy Infrastructure Information (CEII).**” This document is available on the Commission’s web site at <http://www.ferc.gov/help/filing-guide/file-ceii/ceii-guidelines/guidelines.pdf>. Any plot plans showing equipment or piping details, and any other CEII should be filed non-public and labeled “**Contains Critical Energy Infrastructure Information - Do Not Release**” (18 CFR 388.112).

For all materials submitted, please provide one hard copy and one electronic copy directly to me. Also, provide an electronic version and hard copy directly to each of the representatives of our cooperating agencies: Russell Bergu of the U.S. Coast Guard; and Karla Ellis of the U.S. Army Corps of Engineers, Portland District, Regulatory Branch. Also provide electronic and hard copies directly to our third-party environmental contractor, Natural Resource Group, LLC.

Thank you for your cooperation. If you have any questions, please call me at 202-502-8059.

Sincerely,

Paul Friedman
Environmental Project Manager
Office of Energy Projects

cc: Public File, Docket Nos. CP06-365-000, et al.

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