



STATE OF WASHINGTON
ENERGY FACILITY SITE EVALUATION COUNCIL
PO Box 43172 • Olympia, Washington 98504-3172
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NOTICE
OF
PUBLIC COMMENT OPPORTUNITY AND PUBLIC HEARING
FOR THE

GRAYS HARBOR ENERGY CENTER
ISSUANCE OF DRAFT NOC/PSD PERMIT

Notice of Public Comment Opportunity
October 21, 2010 to November 26, 2010 by 5:00 pm

Notice of Public Hearing
November 9, 2010 at 6:30 pm

LOCATION
Grays Harbor County Administration Building
100 W. Broadway (Commissioners Meeting Room)
Montesano, Washington 98563

MAP

Grays Harbor Energy, LLC – Issuance of Draft NOC/PSD Permit

Public Hearing: A public hearing on this matter will be held on **Tuesday, November 9, 2010 beginning at 6:30 p.m.**, at the following location: Grays Harbor County Administration Building, 100 W. Broadway (Commissioners Meeting Room), Montesano, Washington, 98563.

How to Comment: Please address all written comments to:

Al Wright, EFSEC, 1300 S. Evergreen Park Drive SW, P.O. Box 43172,
Olympia, WA 98504-3172, or by e-mail to: efsec@utc.wa.gov.

**To be considered, comments must be received in the EFSEC office
by 5:00 p.m. on November 26, 2010.**

Comment Response

& Permit Issuance: NOC/PSD Permit: The final determination on these PSD permit approval will not be made until after the end of the 30-day public comment period, and all comments received pursuant to this notice have been considered. Once the final determination is made, copies of the Council's decisions regarding the proposed permit will be filed for review at the locations above. Within 30 calendar days after the final decisions have been issued, any person who commented on the draft NOC/PSD approval may petition the EPA Administrator, under 40 CFR 124.19, to review any condition of the decision. Any person who failed to file comments or failed to participate in the public hearing on the draft may petition for administrative review only to the extent of the changes from the draft to the final approved decision.

All persons, including the applicant, who believe this approval or any condition of the proposed approval is inappropriate must raise all reasonably ascertainable issues and submit all reasonably available arguments supporting their position in writing by the end of the comment period. Any supporting materials which are submitted shall be included in full and may not be incorporated by reference, unless they are already part of the administrative record for this proposed approval or are generally available reference material.

Permit Number: EFSEC/2010-01 (Units 3 and 4)

Applicant: Grays Harbor Energy, LLC
401 Keys Road
Elma, WA 98541-9149

Actions: NOC/PSD Permit (Units 3 and 4): EFSEC is issuing a draft Notice of Construction/Prevention of Significant Deterioration (NOC/PSD) permit for the GHEC Units 3 and 4. GHE is required to obtain the NOC/PSD Permit because it has the potential to emit Prevention of Significant Deterioration (PSD) significant quantities of nitrogen oxides (NO_x), carbon monoxide (CO), sulfur dioxide (SO₂), sulfuric acid mist (H₂SO₄), particulate matter (PM), particulate matter less than 10 micrometers (PM₁₀), particulate matter less than 2.5 micrometers (PM_{2.5}), and volatile organic compounds (VOC).

Facility Description: The existing GHEC (Units 1 and 2) is capable of generating up to 650 megawatts (MW) of electricity from two natural gas-fired combustion turbines and one steam-electric turbine. The two combustion turbines are each equipped with duct burners and heat recovery steam generators (HRSG) that supply steam to the steam-electric turbine. One, nine-cell, forced draft cooling unit is used to complete the steam-electric power cycle. The facility also incorporates an auxiliary boiler to assist during start-ups, an emergency generator, and an internal combustion engine to drive the fire suppression water pump. GHE began commercial operation in April of 2008.

The proposed expansion of the GHEC (Units 3 and 4) will consist of the same components as the existing facility, except for the cooling system. The proposed evaporative cooling tower will consist of a 10-cell structure.

Pollutant Discharge: Estimated emissions of criteria and hazardous air pollutants (HAPs) to the ambient air based on maximum potential to emit are as follows:

<u>Pollutant</u>	<u>Potential Emissions (tons/year)</u>
PM ₁₀	170
CO	451
NO _x	176
SO ₂	63
VOC	53.1
Sulfuric Acid Mist	32.1
Ammonia	162

Project Impact: NPC/PSD Permit (Units 3 and 4): Impact analyses conducted in support of the original permit application indicated that, when in operation, the Project will have no significant adverse impact on air quality. The approved permit and Project will continue to satisfy Washington state and federal permitting requirements by using BACT for all pollutants. All requirements for PSD and New Source Review are satisfied and the emission units would comply with all applicable federal and Washington state new source performance standards, in accordance with the provisions of Chapters 463-78, 173-400, and 173-460 of the Washington Administrative Code (WAC) and the Code of Federal Regulations (CFR), 40 CFR Parts 52.21 and 60. Allowable emissions from the GHE, in conjunction with all other applicable emission increases or reductions (including secondary emissions) would not cause or contribute to violation of any ambient air quality standard or any applicable maximum allowable increase over the baseline concentration in any area. There would be no significant impacts resulting from pollutant deposition on soils and vegetation in Class I areas. It is very unlikely that the proposed emissions would cause significant degradation of regional visibility or impairment of visibility in any Class I area. The GHEC is unlikely to have a significant impact on vegetation, soil, and aquatic resources in Class I or Class II.

Additional Information:

Copies of the draft permit and associated support document are available upon request from Jim La Spina (360) 664-1362 or by e-mail at JLaSpina@utc.wa.gov. For more information, or if you have special accommodation needs, please contact Mr. La Spina.

The full text of the original permit application, draft permit and associated support document is also available for public inspection at the following locations:

Washington Energy Facility Site Evaluation Council 1300 S. Evergreen Park Drive SW P.O. Box 43172 Olympia, WA 98504-3172	8:00 a.m. to 5:00 p.m. weekdays Phone (360) 664-1345
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Washington State Department of Ecology 300 Desmond Drive Lacey, Washington	By appointment: 8:00 a.m. to 4:30 p.m. weekdays Please contact Bob Burmark at (360) 407-6812
Elma Timberland Library 118 N. First Street Elma, Washington 98541 (360) 482-3737	Montesano Timberland Library 125 Main Street Montesano, Washington 98563 (360) 249-4211
In electronic format on the internet: The EFSEC web site at http://www.efsec.wa.gov	

Notice Prepared: October 21, 2010

By: Al Wright, EFSEC Manager
PO Box 43172
Olympia, Washington 98504-3172