

STATE OF VERMONT
PUBLIC SERVICE BOARD

Petition of Vermont Gas Systems, Inc.,)
requesting a Certificate of Public Good pursuant)
to 30 V.S.A. § 248, authorizing the construction)
of the "Addison Natural Gas Project" consisting)
of approximately 43 miles of new natural gas)
transmission pipeline in Chittenden and Addison)
Counties, approximately 5 miles of new)
distribution mainlines in Addison County,)
together with three new gate stations in)
Williston, New Haven, and Middlebury,)
Vermont)

Docket No. 7970

**PETITIONER'S FIRST SET OF DISCOVERY REQUESTS TO
THE VERMONT AGENCY OF NATURAL RESOURCES**

Vermont Gas Systems, Inc. ("Petitioner"), serves the following discovery requests on the Vermont Agency of Natural Resources ("ANR" or "Respondent").

Petitioner respectfully requests that the Respondent answer the following discovery Requests in writing and under oath and deliver one complete copy of all documents, plus an electronic version of such responses, by July 12, 2013 to Petitioner's counsel whose names and addresses are set forth on the Certificate of Service accompanying this request.

DEFINITIONS

The following definitions apply to the following discovery requests:

1. Communication. The term "communication" means the transmittal of information in the form of facts, ideas, inquiries or otherwise.
2. Document. The term "document" is defined to be synonymous in meaning and equal in scope to the usage of this term in Vermont Rule of Civil Procedure 34(a) and includes any and all writings or other materials, whether handwritten, typed, printed, recorded or reproduced by any other physical, mechanical, electronic or electrical means, including, but not limited to, records, papers, correspondence, telegrams, memoranda, notes, letters, photographs, photographic slides or negatives, films, filmstrips, computer diskettes, computer files, tapes and recordings, summaries or records of telephone conversations, summaries or records of personal conversations, and all carbons or photocopies bearing any underlining, highlighting, additions, corrections, or marginal notations which are in the possession, custody, or control of ANR, its agents, employees, representatives, attorneys or experts, wherever located.
3. Identify (With Respect to Persons). When referring to a person to "identify"

means to provide, to the extent known, the person's full name, present or last known address, and when referring to a natural person, additionally, the present or last known place of employment. Once a person has been identified in accordance with this subparagraph, only the name of the person need be listed in response to subsequent discovery requesting the identification of that person.

4. Identify (With Respect to Documents). When referring to documents, to "identify" means to provide, to the extent known, information about the (i) type of document; (ii) its general subject matter; (iii) the date of the document; and (iv) its author(s), and each recipient.

5. You or Your(s): ANR, you or your(s) means Vermont Agency of Natural Resources and, where applicable, its officers, directors, employees, representatives, subsidiaries or affiliates.

6. Person. The term "person" is defined as any natural person or any business, legal or governmental entity or association.

7. Concerning. The term "concerning" means relating to, referring to, describing, evidencing or constituting.

8. Produce. The term "produce" means to provide the original or an exact legible copy of a requested document to Petitioner's counsel. A draft or non-identical copy is a separate document within the meaning of this term.

The following rules of construction apply to all discovery requests:

1. All/Each. The terms "all" and "each" shall both be construed as all and each.
2. And/Or. The connectives "and" and "or" shall be construed either disjunctively or conjunctively as necessary to bring within the scope of the discovery request all responses that might otherwise be construed to be outside of its scope.
3. Number. The use of the singular form of any word includes the plural and vice versa.

INSTRUCTIONS

1. Provide a separate page for each separate question. Reproduce the discovery request made before presenting the response.
2. The response to each request should be made under oath by a person competent to testify concerning the response and all documents and exhibits produced as part of the response.

With respect to each request, state (1) the name(s) and title(s) of the person or persons responsible for preparing the response; and (2) the date on which each question was answered.

3. Where information requested is not available in the precise form described in the question or is not available for all years (or other periods or classifications) indicated in a series of years (or other periods or classifications), provide all information with respect to the subject matter of the question that can be identified in your work papers and files or that is otherwise available.

4. These discovery requests are continuing in nature, and require you to file supplementary answers pursuant to the Vermont Rules of Civil Procedure as incorporated by the Rules of the Vermont Public Service Board. Change, supplement and correct your responses to conform to all information as it becomes available to you, including the substitution of actual data for estimated data. Responses to requests covering a period not entirely in the past (or for which complete actual data are not yet available) should include all actual data available at that time.

5. Whenever responses include estimated information, include an explanation (or reference to a previous explanation) of the methods and calculations used to derive the estimates.

6. For any matter where a request for admission is being answered by a denial or objection, the answer should set forth in detail the reasons for the denial or objection, in conformity with Vermont Rule of Procedure 36.

7. In construing these discovery requests, the terms "refer to" and "relate to" shall include any and all logical or factual connections to the subject of the discovery request as specified.

8. Organize responses and supporting documents using the identifying number to which they respond.

DISCOVERY REQUESTS

Q.PET:ANR.1-1. Produce all notes, field notes, emails, and photographs regarding the Project.

Q.PET:ANR.1-2. Produce all communications and related documents exchanged between any representatives of ANR and EPA, CLF, VTRANS, Federal Highway Administration, the

Army Corps, U.S. Fish & Wildlife Service, and any party to this proceeding, relating to this project.

Q.PET:ANR.1-3. Admit that ANR's Division of Forestry webpage at <http://www.vtfpr.org/htm/forestry.cfm>, states that Vermont forests cover "more than 4.6 million acres, Vermont is 75 percent forested." If denied, explain why denied.

Q.PET:ANR.1-4. Admit that the State of Vermont owns 382,600 acres of state forestland.

Q.PET:ANR.1-5. Admit that the state timber harvests approximately 2 million board feet each year.

Q.PET:ANR.1-6. Admit that the ANR Department of Forestry 2010 Vermont Forest Resources Plan (referenced herein as the "State Action Plan"), reports at page 94 that: "It is expected that scheduled harvests from state lands will increase over the next few years as state budget constraints direct more utilization of forest receipts for management activities."

Q.PET:ANR.1-7. Describe the avoidance, minimization and mitigation employed by the state to protect state significant natural communities, RINAs, wetlands and rare plants during timber harvests on state owned lands. Produce all documents relied upon, referenced or relating to same.

Q.PET:ANR.1-8. Admit that there are currently approximately 1.7 million acres of Vermont forests enrolled in the Vermont Use Value Appraisal ("UVA") program.

Q.PET:ANR.1-9. Admit that ANR has adopted and published *Minimum Standards for Forest Management and Regeneration* for the UVA Program and that standards do not require foresters or landowners who timber harvest under the UVA program to avoid, minimize or mitigate harvesting operations to protect state significant natural communities, RINAs, rare plants or wetlands.

Q.PET:ANR.1-10. Admit that the ANR's Acceptable Management Practices ("AMPs") for logging operations do not require foresters to avoid, minimize or mitigate impacts to significant natural plant communities, RINAs or rare plants.

Q.PET:ANR.1-11. Admit that ANR Land Administration Division administers state lands that contain hundreds of miles of trails and forest roads used for hiking, cross-country skiing, snowmobiling, and other trail activities, including the Long Trail, numerous VAST snowmobile trails, and segments of the Catamount Cross Country Ski Trail.

Q.PET:ANR.1-12. Identify and describe all avoidance, minimization and mitigation measures employed to reduce impacts to natural plant communities, RINAs, wetlands and rare plants on the above referenced trail networks and logging roads.

Q.PET:ANR.1-13. Provide the general widths of logging roads used to harvest timber on state lands, include the various types of logging roads (skidder trails, logging road, forestry road, haul road, access road, etc.), the associated width and any additional shoulder widths that might be cleared for road stabilization, construction, drainage or "day lighting" activities. Include the general size of the cleared area of log landings constructed along these "logging roads" to facilitate the removal of timber from the forests.

Q.PET:ANR.1-14. Admit that construction of logging roads on state lands results in earth disturbance. If denied, explain why denied.

Q.PET:ANR.1-15. Produce a map or other documents in the agency's possession regarding trails on state lands.

Q.PET:ANR.1-16. Identify and describe all measures employed to prevent the spread of non-native invasive species on the above referenced trail networks and logging roads.

Q.PET:ANR.1-17. For each of the ANR witnesses that have offered prefiled testimony in this matter, please identify and produce for the past 5 year period, copies of the following:

- a a list of all court or administrative proceedings in which the witness has been a witness or a party;
- b a detailed description of any testimony given by the witness in any court or administrative proceeding, and copies of all transcripts, prefiled testimony,

- exhibits, reports, and other documents relating to such testimony;
- c all exhibits that may be offered in this proceeding through the witness;
 - d a list of all publications authored in whole or in part by the witness;
 - e a list of all administrative and court proceedings and depositions in which the expert offered an opinion, and a detailed description of all such opinions;
 - f a list of all professional licenses held by the witness;
 - g any and all documents, reports, data, studies referenced, relied upon, or referred to in preparing their testimony or in responding to these information requests; and
 - h identify every landowner, municipal or public representative (including state agency personnel or representatives or consultants thereof), that the witness has communicated with relating to the Project, describe the subject and substance of such communication, and produce copies of same if written communications.

Interrogatories for Eric Sorenson

Q.PET:ANR.1-18. With respect to your testimony at page 2, lines 11-15 concerning your evaluation of natural communities for Section 248, CUD and Act 250 reviews, identify and describe the instances in which you have concluded that the development reviewed (a) impacted a RINA, (b) fragmented a RINA, (c) unduly adversely impacted a RINA, (d) required relocation or alteration to avoid the RINA, or (e) required mitigation. Produce all such evaluations together with the orders or permits from the permitting agency relating to such natural communities.

Q.PET:ANR.1-19. With respect to your testimony at A5, admit that "state-significant natural

communities" and RINAs are not synonymous. If denied, explain why.

Q.PET:ANR.1-20. With respect to the ANR database of 2,100 significant natural plant communities referenced at page 5 lines 1-6 of your testimony:

- a. Describe the database and the information contained in the database;
- c. Provide a link to the database;
- d. Produce the database;
- e. State if the database is accessible to the public on the Agency's website and if not, why not;
- f. Produce the shapefiles for all 2,100 communities;
- g. Produce all field notes, notes, forms, photographs relating to each such natural plant community in the Project corridor;

Q.PET:ANR.1-21. Admit that not all 1,200 state significant natural communities have been designated as a RINA.

Q.PET:ANR.1-22. Identify and provide a list of the number of state significant natural communities that have been designated a RINA.

Q.PET:ANR.1-23. With respect to each of the 6 natural plant communities listed at page 5 lines 15-20:

- a. Produce the shapefiles and any maps delineating each community.

- b. Produce all field notes, notes, forms, photographs and Vermont site summary forms relating to each such natural plant community.
- c. Produce the ANR reports and determinations documenting the basis for why each is a state significant natural community and RINA.

Q.PET:ANR.1-24. With respect to your testimony at page 6 lines 7-9, identify and produce each such RINA recommendation made to the Public Service Board to date.

Q.PET:ANR.1-25. With respect to your testimony at A10, produce all of the listed information relied upon to inform your determination as to each of the natural communities addressed in your testimony.

Q.PET:ANR.1-26. With respect to your testimony at page 8, line 14:

- a. Admit that habitat fragmentation means dividing land with naturally occurring vegetation and ecological processes into smaller and smaller areas as a result of roads, land clearing, development, or other land uses that remove vegetation and create physical barriers between previously connected natural vegetation. If denied, state whether you agree with this definition and if not, why not and provide your definition of habitat fragmentation.
- b. Admit that the timber harvesting on state owned land can result in habitat fragmentation.
- c. Admit that Project impacts have been minimized by use of HDD. If denied,

would ANR support not using HDD?

Q.PET:ANR.1-27. With respect to you testimony at A13:

- a. Admit that the approximately 75 acres of the Pine-Oak-Sandplain Forest is fragmented by an existing VELCO transmission line. If denied, explain why denied.
- b. Describe in detail the referenced disturbance caused by the existing Gauthier operation and the borrow pit, as stated on lines 20-21.
- c. Identify and describe the limits of, and produce a map showing the 75 acre Pine-Oak-Sandplain Forest referenced at page 10 line 16.
- d. Identify and describe the limits of, and produce a map showing 900 acre forest and wetland block referenced at page 11 line 9.
- e. Describe the natural community type and rank of the 900 acre large block of forest and wetland referenced.
- f. Admit that you could calculate the permanent and temporary impacts to the sandplain forest using the EPSC plans provided by VGS. If denied, explain why denied and how you determined amount of impact. Produce all documents relating to same.

Q.PET:ANR.1-28. With respect to you testimony at page 12, lines 17-22:

- a. What have you assumed for the depth of the HDD and what is the basis for this assumed depth?

- b. Admit that regardless of pipeline depth, that the absence of a cleared corridor over the pipe would preclude aerial safety surveys.
- c. Admit that the HDD in this area mitigates impacts to the Pine-Oak-Sandplain Forest.

Q.PET:ANR.1-29. With respect to your testimony at page 13, lines 4-9 explain how the Project construction will result in permanent soil alteration, and identify, describe and produce all documents supporting this statement.

Q.PET:ANR.1-30. With respect to your testimony at page 13, lines 20-22, admit that VGS provided a detailed evaluation of the realignment of this section of the pipeline onto the VELCO corridor in the December 20, 2012, and that the conclusion of that evaluation would be that there would be greater impacts to natural resources from this alternative alignment. Also admit that you have not provided the applicant with any review comments on that evaluation.

Q.PET:ANR.1-31. With respect to the steps outlined in your testimony in the bullets appearing at pages 14-15:

- a. Admit that the reroute suggested in the first bullet would cause the Project alignment to shift to residential neighborhoods.
- b. Identify the statute, rule or guideline that applies a "least damaging environmental alternative" standard, as referenced at page 14 lines 7-9, to review of Section 248 impacts to natural plant communities or RINA.

- c. Did you intentionally omit "practicable" from this standard? If so, why?
- d. Admit that for purposes of Section 404 review under the Clean Water Act, the Army Corps of Engineers ("ACOE") and the Environmental Protection Agency ("EPA") apply the "least damaging environmentally practicable alternative, or "LEDPA." If denied, explain why denied.
- e. Admit that for Section 404 LEDPA review, "practicable" means "available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes." If denied, explain why.
- f. Identify the number of residences and other buildings that would be in close proximity to the proposed transmission line using the Mill Pond, Severance, Kellogg and Susie Wilson Road alternative that you suggest.
- g. Explain how the Project will unduly degrade the natural community and produce all documents supporting this determination.
- h. Explain how the Project would jeopardize the ability of the natural community to continue and produce all documents supporting this determination.
- i. Has ANR communicated to the Town of Williston and landowners ANR's intention to recommend that the pipeline be rerouted and, if so, describe the reaction and produce all written communications relating to same.

Q.PET:ANR.1-32. With respect to your testimony at A14 & A15:

- a. Produce all documents relating to and supporting the VFWD determination that the wet clayplain forests constitute a RINA.

- b. Explain how the Project will unduly degrade the natural community.
- c. Explain how the Project would jeopardize the ability of the natural community to continue and produce all documents supporting this determination.
- d. Please explain how this community type within or nearby to the project site should be considered irreplaceable in the landscape.

Q.PET:ANR.1-33. With respect to your testimony at A15, page 17 lines 11-13:

- a. Explain how the Project will unduly degrade the natural community and produce all documents supporting this determination.
- b. Explain how the clearing would jeopardize the ability of the natural community to continue and produce all documents supporting this determination.
- c. Explain how the clearing would result in an undue adverse impact to the natural community and produce all documents supporting same.

Q.PET:ANR.1-34. With respect to your testimony at A16:

- a. Produce all documents relating to and supporting the VFWD determination that this swamp constitutes a RINA.
- b. Admit that an S4 natural community type is not rare.
- c. Admit that the number of high quality S4 natural plant communities is low.
- d. Admit that this S4 natural community is not an exceptional and if denied explain why this is an exceptional example of this S4 common plant community and the specific attributes that make it exceptional and produce all documents supporting

same.

- e. Explain how the Project will unduly degrade the natural community and produce all documents supporting this determination.
- f. Explain how the Project would jeopardize the ability of the natural community to continue and produce all documents supporting this determination.
- g. Explain how the Project would result in an undue adverse impact to this natural community and produce all documents supporting same.
- h. Admit that the natural community is not shown to be present in the pipeline at MP 24.7 and if denied, identify where it is shown on the Petitioner maps and produce all other documents that demonstrate that it is within the Project pipeline corridor.

Q.PET:ANR.1-35. With respect to A17 of your testimony:

- a. Explain how the Project will unduly degrade the natural community and produce all documents supporting this determination.
- b. Explain how the Project would jeopardize the ability of the natural community to continue and produce all documents supporting this determination.
- c. Explain how the Project would result in an undue adverse impact to this natural community and produce all documents supporting same.
- d. If the HDD places the pipe below the peat layer, how would this impact your assessment of the location of the pipeline in this area?
- e. If the pipe is abandoned in place if it fails, would that address your concern regarding repairs impacting the swamp and natural community?

- f. Admit that the recommended reroute you describe at page 19 would place the pipeline on the original road alignment as filed in the VGS December, 2012 248 filing in this docket.
- g. Has ANR communicated to the Town of Monkton or its residents its intention to recommend that the pipeline be rerouted back to the road and, if so, describe the reaction and produce all written communications relating to same.

Q.PET:ANR.1-36. With respect to A18 of your testimony:

- a. Produce all documents relating to and supporting the VFWD determination that this natural community is a RINA.
- b. Admit that this is not a rare natural community.
- c. Admit that the natural community is not an exceptional occurrence. If denied, produce all documentation associated with this determination including a list of all other similar community types considered.
- d. Explain how the Project will result in hydrologic alterations to and unduly degrade the natural community and produce all documents supporting this determination.
- f. Explain how the Project would jeopardize the ability of the natural community to continue and produce all documents supporting this determination.
- g. Explain how the Project would result in an undue adverse impact to this natural community and produce all documents supporting same.
- h. Admit that the Project has undergone multiple design revisions in this area to

minimize impacts to the natural community and the supporting wetland, as well as developing a project specific vegetation management protocol to further minimize impacts.

Q.PET:ANR.1-37. With respect to A18 of your testimony:

- a. Produce all documents relating to and supporting the VFWD determination that this natural community is a RINA.
- b. Admit that the White Cedar Swamp is an S3 community ranking and is not a rare natural community.
- c. Admit that the White Cedar Swamp natural community is not an exceptional occurrence.
- d. Admit that VGS has already minimized impacts by co-locating within 10 feet of the edge of the VELCO corridor.
- e. Explain how the Project will unduly degrade the natural communities and produce all documents supporting this determination.
- f. Explain how the Project would jeopardize the ability of the natural communities to continue and produce all documents supporting this determination.
- g. Explain how the Project would result in an undue adverse impact to the natural communities and produce all documents supporting same.
- h. Has ANR communicated to the Town of New Haven and landowners along the alternative North Street route described at page 23 of your testimony, ANR's intention to recommend that the pipeline be rerouted to the road and, if so,

describe the reaction and produce all written communications relating to same.

Q.PET:ANR.1-38. Regarding A20 of your prefiled testimony:

- a. Identify and produce the regulation, guideline or case precedent that supports replantings of vegetation as a condition to restore natural communities following installation of utility lines.
- b. Admit that the ecological value of plantings would be limited in areas that will be routinely mowed.
- c. Has ANR considered the cost to Vermont ratepayers associated with a replantings plan as you have suggested?

Interrogatories for Bob Popp

Q.PET:ANR.1-39. With respect to your testimony at page 3, lines 15-16, please specifically identify each location, with reference to the Petitioner's Natural Resource Maps, giving milepost references, for each location where you are not satisfied with the degree of on-the-ground inventory.

Q.PET:ANR.1-40. With respect to your A8 to your testimony, how do you define the term "existing road" which would not require RTE survey for access?

Q.PET:ANR.1-41. With respect to your A9 to your testimony:

- a. Identify the 6-20 populations of S2 plant species in the state.

- b. Identify the 5 populations of S1 plant species in the state.
- c. Define what you mean by "population."

Q.PET:ANR.1-42. With respect to your testimony at A11 regarding shapefiles and inventory forms, admit that the requested information was provided by VHB to ANR on June 14, 2013.

Q.PET:ANR.1-43. With respect to your testimony at A19:

- a. Admit that the Project avoids direct impacts to threatened and endangered plant species with the possible exception of the Harsh sunflower. If denied, explain why denied, including the alleged impacts.
- b. What specific avoidance or minimization are you referring to?

Q.PET:ANR.1-44. With respect to your testimony at A20:

- a. Have you concluded that the Project will result in destruction or imperilment to the habitat or species? If so, explain how and produce all documents supporting this conclusion.
- b. Have you concluded that the Project will result in in economic, environmental, or recreational loss to the public from the destruction or imperilment of the habitat or species, and that this loss outweighs the economic, social, cultural, recreational, or other benefit to the public from the Project? Produce your analysis and all documents supporting your analysis.
- c. Explain the basis for the five day limit on matting and produce all analyses and

documents that support this limitation.

- d. Cite each instance in which you have recommended that matting over rare plants be limited to five days only, and with respect to each project, state whether the PSB or District Commission adopted your recommendation. Produce all documents relating to same.
- e. Admit that neither the PSB or ANR placed restrictions as to duration of matting in the VELCO NRP, Lamoille and East Avenue Loop Projects.
- f. Explain how matting in place longer than 5 days would have an undue adverse impact on rare plants or wetland functions and values and produce all documents supporting your conclusion;
- g. Define "immediately" as that term is used on line 3 of page 10.

Q.PET:ANR.1-45. With respect to your testimony at A21:

- a. Explain the basis for your conclusion that soil segregation when trenching may not be sufficient to ensure the water hemsps survival and produce all documents supporting same and describe all experience supporting same, with specific project references.
- b. Produce a copy of all completed Vermont Rare Plant Forms and attached documentation for each of the rare plans listed in A17 of your testimony.

Interrogatories for Alan Quackenbush

Q.PET:ANR.1-46. Regarding A8, please indicate whether ANR is in agreement with

Petitioner's proposed wetland classifications.

Q.PET:ANR.1-47. Regarding A11, admit that many of the wetlands along the pipeline alignment are currently cleared, and thus in these already cleared areas the project will not change existing vegetative conditions on a permanent basis.

Q.PET:ANR.1-48. Regarding A15 to your testimony, please define the "realignment" that is being referred to.

Q.PET:ANR.1-49. Admit that the DEC Wetlands Program had specific wetland classification questions for VHB that were answered by VHB via letter addressed to you, dated April 5, 2013.

Q.PET:ANR.1-50. Regarding A16 to your testimony, admit that you were invited to and planned to attend a site visit with other Agency and VHB staff on May 15, 2013 during which most areas of alignment change between the 12/20/12 alignment and 2/28/13 alignment were field evaluated.

Q.PET:ANR.1-51. Have you or the DEC wetlands staff started any review of the VWP application? Please describe the status of your review and the date by when you expect to complete the review. If you believe the VWP application is incomplete, please itemize the information required to complete the package and the number of weeks it will take you to complete the review once you have received the missing information you have itemized.

Q.PET:ANR.1-52. Admit that Petitioner has noticed ANR and the Board that it is seeking a 248 in this proceeding in the fall of 2013 and the VWP and 401 Certification by January, 2013 (See Exhibit Supp. JAN-3 (2/28/13)). When do you expect to provide the Board with an opinion about Project impacts on wetlands?

Q.PET:ANR.1-53. With respect to your testimony at A17:

- a. Identify and produce provide a list of all other VWP applications for which the Agency has required an applicant to provide locations of blasting activities.
- b. Provide a list of all other VWP applications involving any type of directional bore, for which the Agency has required an applicant to provide "the depth of the bore and whether it will go through bedrock deep peat, muck or clay."

Q.PET:ANR.1-54. Regarding A19 of your testimony, please specifically indicate what field information the Agency is currently not in receipt of or has not confirmed.

Q.PET:ANR.1-55. With respect to your testimony at A20, identify specifically each location, with reference to the Natural Resource Maps and mileposts, those locations that you believe VGS should re-examine the line and identify specifically the locations adjacent to roads where you suggest the pipe be relocated.

Q.PET:ANR.1-56. Produce all documents, including notes, field notes, and emails, relating to

ANR's assessment of the project's potential wetland and natural community impacts.

Q.PET:ANR.1-57. With respect to your testimony at A24:

- a. Identify the dates of bird breeding habitat, broken down by species, during which construction should be avoided.
- b. Does this recommendation apply to endangered birds only or to all breeding birds?
- c. If the recommendation is to all breeding birds, explain the basis for the recommendation and produce all documents supporting same.
- d. Provide habitat mapping, by species, where the planned construction route will interfere with the bird's breeding periods.
- e. Identify a single 248 order that has required a project to avoid construction during bird breeding season.
- f. Do you agree that the PSB should consider the schedule and cost impacts that such a restriction may have upon the project and completion of the project to provide service to Addison country residents? If not, why not?
- g. Describe how construction during bird breeding season would result in an undue adverse impact to birds, describe the impacts caused, and produce all documents supporting same.

Interrogatories for Jenna Calvi

Q.PET:ANR.1-58. With respect to your testimony at A10:

- a. Admit that VGS supplied DEC with supplemental stormwater and EPSC plans on May 3, 2013.
- b. Have you begun any technical review of the applications and plans and if so, please indicate the timing of the technical review, including the anticipated completion date. If the application is incomplete, please itemize the missing information required for you to complete your review and the number of weeks it will take you to complete the review once you have received the missing information you have itemized.
- c. When do you plan to provide the Board with an opinion about Project impacts?

Interrogatories for Jeff Merrell

Q.PET:ANR.1-59. Please produce all documents, including emails, on which you relied to support your testimony.

Q.PET:ANR.1-60. Identify and produce each GHG lifecycle analysis for natural gas that you have reviewed.

Q.PET:ANR.1-61. With respect to your testimony at page 6, lines 5-7, have you prepared “such a ‘sensitivity analysis’” for this project, and if so, please produce. If not, why not?

Q.PET:ANR.1-62. With respect to your testimony at page 6, lines 17-18, have you conducted such a “comprehensive ‘life cycle analysis’” for this project, and if so, please produce. If not,

why not?

Q.PET:ANR.1-63. With respect to your testimony at page 7, lines 4-7, have you ever conducted a GHG life cycle analysis for greenhouse gas emissions for natural gas/and or fuels? If so, please produce all such analyses.

Q.PET:ANR.1-64. With respect to your testimony at A17, identify and produce all of the "scientific studies" referenced at page 8, lines 10-14.

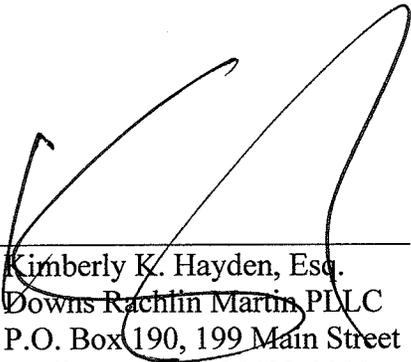
Q.PET:ANR.1-65. Admit that the project will increase opportunities for utilization of biomethane in Addison County. If denied, explain why and produce all documents supporting your response.

Q.PET:ANR.1-66. Admit that the Environmental Protection Agency recently revised its methodology for calculating lifecycle greenhouse gas emissions resulting in an annual average decrease in methane emissions from natural gas systems of over 20%. If denied, explain why and produce all documents supporting your response.

Dated at Burlington this 21st day of June, 2013

VERMONT GAS SYSTEMS, INC.

By: _____



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