



Dominion Cove Point LNG, LP
701 East Cary Street, Richmond, VA 23219

July 27, 2015

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

**Re: Dominion Cove Point LNG, LP
Cove Point Liquefaction Project
CP13-113-000
Supplemental Information – Volume 8 – Foundations Series 1 – STG,
Fuel Flash, Water Treatment, Lean Gas Booster Compressor and
Regeneration Gas Buildings and Foundations**

Dear Secretary Bose:

By Order dated September 29, 2014, the Federal Energy Regulatory Commission (FERC or Commission) authorized Dominion Cove Point LNG, LP (DCP or Dominion) to construct and operate certain facilities that comprise the Cove Point Liquefaction Project (Project). *Dominion Cove Point LNG, LP*. 148 FERC ¶ 61,244 (the "Order").

On October 14, 2014, DCP submitted Volume Eight - Foundations – Series 1 (Accession Numbers 20141014-5369 and 20141014-5370), and on December 8, 2014, FERC authorized the construction requested in Volume Eight (Accession Number 20141208-3004). DCP hereby submits supplemental information for Volume Eight regarding the drawings and calculations for the STG, Fuel Flash, Water Treatment, Lean Gas Booster Compressor and Regeneration Gas buildings and their foundations. DCP hereby requests written authorization from the Director of the Office of Energy Projects (OEP) to proceed with construction activities on the structural steel described in the attached supplemental information no later than September 25, 2015.

This submission contains the following documents:

- Attachment 1: STG Building – Steel Calculations (**Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement**).
- Attachment 2: STG Building – Foundations – Drawings (**Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement**).
- Attachment 3: STG Building – Foundations – Calculations (**Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged**

Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).

- Attachment 4: Fuel Flash Building – Steel Calculations (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement)
- Attachment 5: Fuel Flash Building – Foundations – Drawings (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 6: Fuel Flash Building – Foundations – Calculations (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 7: Water Treatment Building – Steel Calculations (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 8: Water Treatment Building – Foundations – Drawings (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 9: Water Treatment Building – Foundations – Calculations (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 10: Lean Gas Booster Compressor Building – Steel Calculations (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 11: Lean Gas Booster Compressor Building – Foundations – Drawings (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty

Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).

- Attachment 12: Lean Gas Booster Compressor Building – Foundations – Calculations (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 13: Regeneration Gas Building – Steel Calculations (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 14: Regeneration Gas Building – Foundations – Drawings (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).
- Attachment 15: Regeneration Gas Building – Foundations – Calculations (Contains Critical Energy Infrastructure Information – Do Not Release, Contains Privileged Information – Do Not Release, Not Available to Competitive Duty Personnel, and Proprietary, Protected Materials, Released Subject to Terms of Docket No. CP13-113 Protective Agreement).

DCP requests that, pursuant to 18 C.F.R. § 388.112 of the Commission's regulations, the information filed in Attachments 1 - 15 be treated as Critical Energy Infrastructure Information (CEII), and that it not be released to the public. This information is customarily treated as CEII, and as such, is labeled "Contains Critical Energy Infrastructure Information – Do Not Release". Additionally, Attachments 1 - 15 contain proprietary information used by DCP and DCP's third party consultant that is customarily treated as privileged and confidential and disclosure of this information could result in commercial and competitive harm to DCP and its consultant. As such, the information is also labeled "Contains Privileged Information – Do Not Release", "Not Available to Competitive Duty Personnel", and "Proprietary". DCP believes that the CEII/Privileged information in these attachments is exempt from disclosure pursuant to Freedom of Information Act Exemption 4, 5 U.S.C. §552(b)(4), and should not be released.

DCP previously attached its Form of Protective Agreement on October 16, 2013 in Accession Number 20131016-5074 in accordance with Commission regulations. Notwithstanding, DCP reserves its right to file an objection to disclosure of the filed information pursuant to Section 388.112(b)(2)(iii) of the Commission's regulations.

Finally, DCP notes that when electronically filing information that is considered both CEII and Privileged, it can either eFile the information as CEII or as Privileged, but not as both. Accordingly, DCP has filed this information as Privileged, but has labeled the information as both CEII and Privileged.

If you have any questions, please contact me at 804-771-4796.

Respectfully submitted,

/s/ *Deborah T. Gholson*

Deborah T. Gholson
Gas Transmission Certificates Program Manager

cc: Joanne Wachholder, FERC
James Glaze, FERC
Robert Bachman
Kul Bhushan
Service List

Attachment 1

**STG Building – Steel
Calculations**

Contains Critical Energy Infrastructure Information – Do Not Release,
Contains Privileged Information – Do Not Release,
Not Available to Competitive Duty Personnel, and Proprietary,

PROTECTED MATERIALS,
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Cove Point Liquefaction Project Implementation Plan
Supplement to Volume 8

Attachment 1
STG Building – Steel
Calculations

Table of Contents

<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
004-133419-511H-100	2	Calculations For... STG Building

Attachment 2

**STG Building – Foundations
Drawings**

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Attachment 2
STG Building – Foundations
Drawings

Table of Contents

<u>Document #</u>	<u>Date</u>	<u>Document Title</u>
<u>TILE 9534 STG BUILDING</u>		
CF9534K01	1	STEAM TURBINE GENERATOR BUILDING FOUNDATION PLAN
CF9534K02	2	STEAM TURBINE GENERATOR BUILDING SLAB AND JOINT LOCATION PLAN
CF9534K03	1	STEAM TURBINE GENERATOR BUILDING DRAINAGE PLAN
CF9534K04	2	STEAM TURBINE GENERATOR BUILDING EQUIPMENT PAD LOCATION PLAN
CF9534K05	1	STEAM TURBINE GENERATOR BUILDING SECTIONS
CF9534K06	1	STEAM TURBINE GENERATOR BUILDING SECTIONS AND DETAILS
CF9534K07	1	STEAM TURBINE GENERATOR EQUIPMENT PAD PLANS AND SECTIONS
CF9534K08	2	STEAM TURBINE GENERATOR ANCHOR BOLT DETAILS
CF9534K09	2	STEAM TURBINE GENERATOR ANCHOR BOLT DETAILS
CF9534K10	2	STEAM TURBINE GENERATOR BUILDING SUMP PLAN SECTION AND DETAILS

Attachment 3

**STG Building – Foundations
Calculations**

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Attachment 3

**STG Building – Foundations
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
DCP-C+S-CAL-9743	2	STG BUILDING FOUNDATION AND SLAB

Attachment 4

**Fuel Flash Building – Steel
Calculations**

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**Attachment 4
Fuel Flash Building – Steel
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
004-133419-504H-100	3	Calculations For... Fuel Flash Building

Attachment 5

**Fuel Flash Building – Foundations
Drawings**

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**Attachment 5
Fuel Flash Building – Foundations
Drawings**

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<u>Document #</u>	<u>Date</u>	<u>Document Title</u>
<u>TILE 9541 FUEL FLASH BUILDING</u>		
CF9541S14	2	TILE 9541 FLASH GAS AND FUEL GAS SYSTEMS SHED 504H FOUNDATION LOCATION PLAN SHEET 1 OF 5
CF9541S15	1	TILE 9541 FLASH GAS AND FUEL GAS SYSTEMS SHED 504H DETAIL OF FDN SHEET 2 OF 5
CF9541S16	1	TILE 9541 FLASH GAS AND FUEL GAS SYSTEMS SHED 504H DETAIL OF FDN SHEET 3 OF 5
CF9541S17	3	TILE 9541 FLASH GAS AND FUEL GAS SYTEMS SHED 504H DETAIL OF FDN SHEET 4 OF 5
CF9541S20	0	TILE 9541 FLASH GAS AND FUEL GAS SYTEMS SHED 504H DETAIL OF FDN SHEET 5 OF 5

Attachment 6

**Fuel Flash Building – Foundation
Calculations**

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**Attachment 6
Fuel Flash Building – Foundations
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
DCP-C+S-CAL-1093	0	FLASH GAS & FUEL GAS SYSTEMS FOUNDATION DESIGN CALCULATIONS FOR COMPRESSOR SHED

Attachment 7

**Water Treatment Building – Steel
Calculations**

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Attachment 7

**Water Treatment Building – Steel
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
004-133419-513K-100	3	Calculations For... Water Treatment Building

Attachment 8

**Water Treatment Building – Foundations
Drawings**

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Attachment 8
Water Treatment Building – Foundations
Drawings

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<u>Document #</u>	<u>Date</u>	<u>Document Title</u>
<u>TILE 9535 WATER TREATMENT BUILDING</u>		
CF9535Q01	1	WATER TREATMENT BUILDING FOUNDATION PLAN
CF9535Q02	1	WATER TREATMENT BUILDING DRAINAGE PLAN
CF9535Q03	2	WATER TREATMENT BUILDING EQUIPMENT PAD LOCATION PLAN
CF9535Q04	1	WATER TREATMENT BUILDING JOINT LOCATION PLAN
CF9535Q05	1	WATER TREATMENT BUILDING FOUNDATION SECTIONS
CF9535Q06	1	WATER TREATMENT BUILDING FOUNDATION SECTIONS AND DETAILS
CF9535Q07	2	WATER TREATMENT BUILDING EQUIPMENT PAD SECTIONS AND DETAILS
CF9535Q08	2	WATER TREATMENT BUILDING EQUIPMENT PAD SECTIONS AND DETAILS
CF9535Q09	1	WATER TREATMENT BUILDING EQUIPMENT PAD SECTIONS AND DETAILS
CF9535Q10	2	WATER TREATMENT BUILDING EQUIPMENT PAD SECTIONS AND DETAILS
CF9535Q11	2	WATER TREATMENT BUILDING SUMP PLANS SECTIONS AND DETAILS
CF9535Q12	1	WATER TREATMENT BUILDING SUMP PLAN SECTIONS AND DETAILS
CF9535Q13	2	WATER TREATMENT BUILDING ANCHOR BOLT SCHEDULE AND DETAILS
CF9535Q14	1	WATER TREATMENT BUILDING EXTERIOR EQUIP FOUNDATION PLAN AND DETAILS

Attachment 9

**Water Treatment Building – Foundations
Calculations**

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Attachment 9

**Water Treatment Building – Foundations
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
DCP-C+S-CAL-9745	2	WATER TREATMENT BUILDING FOUNDATION

Attachment 10

**Lean Gas Booster Compressor Building – Steel
Calculations**

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Attachment 10

**Lean Gas Booster Compressor Building – Steel
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
004-133419-503H-100	3	Calculations For... Lean Gas Building

Attachment 11

**Lean Gas Booster Compressor Building – Foundations
Drawings**

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Attachment 11

**Lean Gas Booster Compressor Building – Foundations
Drawings**

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<u>Document #</u>	<u>Date</u>	<u>Document Title</u>
<u>TILE 9536 LEAN GAS BOOSTER COMPRESSOR BUILDING</u>		
CF9536S11	2	TILE 9536 LIQUEFACTION - LEAN GAS BOOSTER COMPRESSOR BLDG STRUCTURE FOUNDATION LAYOUT DETAIL SHEET-1
CF9536S12	1	TILE 9536 LIQUEFACTION - LEAN GAS BOOSTER COMPRESSOR BLDG STRUCTURE FOUNDATION SECTION AND DETAIL SHEET-2
CF9536S13	1	TILE 9536 LIQUEFACTION - LEAN GAS BOOSTER COMPRESSOR BLDG STRUCTURE FOUNDATION SECTION AND DETAIL SHEET-3
CF9536S19	1	TILE 9536 LIQUEFACTION - LEAN GAS BOOSTER COMPRESSOR BLDG STRUCTURE FOUNDATION SECTION AND DETAIL SHEET-4
CF9536S20	1	TILE 9536 LIQUEFACTION - LEAN GAS BOOSTER COMPRESSOR BLDG STRUCTURE FOUNDATION SECTION AND DETAIL SHEET-5
CF9536R02	3	TILE 9536 - LIQUEFACTION AREA PILING LOCATION PLAN AND DETAIL - SHT 3 OF 4

Attachment 12

**Lean Gas Booster Compressor Building – Foundations
Calculations**

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Attachment 12

**Lean Gas Booster Compressor Building – Foundations
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
DCP-C+S-CAL-0111	0	CALCULATION FOR TILE 9536 – LEAN GAS BOOSTER COMPRESSOR BUILDING STRUCTURE FOUNDATION

Attachment 13

**Regeneration Gas Building – Steel
Calculations**

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**Attachment 13
Regeneration Gas Building – Steel
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
004-133419-505H-100	3	Calculations For... Regeneration Gas Building

Attachment 14

**Regeneration Gas Building – Foundations
Drawings**

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**Attachment 14
Regeneration Gas Building – Foundations
Drawings**

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<u>Document #</u>	<u>Date</u>	<u>Document Title</u>
<u>TILE 9570 REGENERATION GAS BUILDING</u>		
CF9570S19	1	TILE 9570 REGEN GAS COMPRESSOR BUILDING - BUILDING 505H FOUNDATION LAYOUT AND DETAIL SHT 1 OF 4
CF9570S20	1	TILE 9570 REGEN GAS COMPRESSOR BUILDING - BUILDING 505H FOUNDATION LAYOUT AND DETAIL SHT 2 OF 4
CF9570S35	0	TILE 9570 REGEN GAS COMPRESSOR BUILDING – BUILDING 505H FOUNDATION LAYOUT AND DETAIL SHT 3 OF 4
CF9570S36	0	TILE 9570 REGEN GAS COMPRESSOR BUILDING – BUILDING 505H DETAIL OF PEDESTAL SHT 4 OF 4

Attachment 15

**Regeneration Gas Building – Foundations
Calculations**

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**Attachment 15
Regeneration Gas Building – Foundations
Calculations**

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<u>Document #</u>	<u>Rev</u>	<u>Document Title</u>
DCP-C+S-CAL-1155	0	FOUNDATION DESIGN CALCULATIONS FOR REGEN GAS COMPRESSOR BLDG 505H