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March 20, 2013

The Office of Fossil Energy  
Natural Gas Regulatory Activities  
U.S. Department of Energy  
Attention: Larine Moore, Docket Room Manager  
Docket Room FE-34  
P. O. Box 44375  
Washington, DC 20026-4375

RE: Sabine Pass Liquefaction, LLC  
DOE Semi-Annual Report  
DOE/FE Order Nos. 2833 and 2961  
FE Docket Nos. 10-85-LNG and 10-111-LNG

Dear Ms. Moore:

Pursuant to the above-referenced Orders, Sabine Pass Liquefaction, LLC ("Sabine Pass"), herein submits its Semi-Annual Report for the documents describing the progress of the Sabine Pass Liquefaction Project ("Project") for the period October 1, 2012 through February 28, 2013. Activities at the Project focused on site preparation, soils stabilization, installation of piles and foundations, and the erection of structural steel.

The Table 1 below summarizes the activities that have been conducted this reporting period. Please refer to **Attachment 1** for copies of the Monthly Reports submitted to FERC covering the period of October 1, 2012 through February 28, 2013 for detailed descriptions of the activities.

| <b>Table 1</b>  |   |
|---|---|
| <b>Summary of Construction Activities at the Sabine Pass Liquefaction Project</b> |   |
| <b>Area</b>   | <b>Comments</b>   |
| Liquefaction Trains Area  | <ul style="list-style-type: none"><li>• Conducted clearing, leveling, and grading in preparation of soil stabilization.</li><li>• Mixing for soil stabilization in the Train 1, Train 2, Tank 6, Laydown 7, Center Levee Road and Heavy Haul Road reroute areas.</li><li>• Conducted pile driving activities<sup>1</sup>.</li><li>• Base foundation pours completed.</li><li>• Formwork and rebar activities continue.</li><li>• Pedestals are being worked with forms and rebar.</li></ul> |
| Support Buildings Area  | <ul style="list-style-type: none"><li>• Mobilized construction trailers to site, hooked up utilities (power, water).</li><li>• Drove piles for the warehouse adjacent to the Laydown 1 and 5 areas.</li></ul>   |
| Access Roads, Waterline   | <ul style="list-style-type: none"><li>• Conducted soil stabilization and improvements to Heavy Haul Road.</li><li>• Constructed pipeline bridge.</li><li>• Constructed reinforcement panels along 150-ft section of Heavy Haul Road.</li></ul>  |
| Laydown, Staging Areas  | <ul style="list-style-type: none"><li>• Subcontractors mobilized personnel and equipment to the site.</li><li>• Began improvements (grading, rocking, etc.) to laydown and parking areas.</li></ul>   |

Sabine Pass Liquefaction, LLC  
DOE Semi-Annual Report  
DOE/FE Order Nos. 2833 and 2961  
FE Docket Nos. 10-85-LNG and 10-111-LNG

| <b>Table 1</b>  |   |
|---|---|
| <b>Summary of Construction Activities at the Sabine Pass Liquefaction Project</b> |   |
| <b>Area</b>   | <b>Comments</b>   |
| Construction Dock (RO-RO)   | <ul style="list-style-type: none"><li>• Conducted soil stabilization and installed piles for Ro-Ro. Cleared and installed silt fence in the area adjacent to the construction dock.</li></ul> |
| Other   | <ul style="list-style-type: none"><li>• Turbidity curtain near western outfall functioning properly.</li><li>• Constructed Highway 82 turning lanes.</li></ul>                                |

<sup>1</sup> A total of 1,724 piles driven through the end of February. The grand total of piles driven to date is over 4,203 piles with 72% (3,041) having been cut to the proper elevation.

There have been no updates to the status of the long term contracts associated with the long-term export of LNG and any long-term supply contracts this period.

Please call me if you have any questions.

Sincerely,

*/s/ Karri Mahmoud*

Karri Mahmoud  
Manager, Compliance and Regulatory Affairs

cc: GA-Permits/SPLQ/DOE/Semi-annual reports

Sabine Pass Liquefaction, LLC  
DOE Semi-Annual Report  
DOE/FE Order Nos. 2833 and 2961  
FE Docket Nos. 10-85-LNG and 10-111-LNG

## Attachment 1

**Sabine Pass Liquefaction Project  
Cameron Parish, Louisiana**

**Progress Report for October 2012**

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## 1.0 Executive Summary

This report covers activities occurring during the month of October, 2012.

Engineering is 28% complete and Procurement is 25.9% complete. The overall project completion is 14.7%.

The overall project schedule is progressing ahead of the contractual schedule basis. The level 2 schedule reflects significant acceleration of the Train 1 and Train 2 substantial completion dates from the contractual basis. Early targets for Train 1 substantial completion and Train 2 substantial completion are 43 and 47 months, respectively, against the contractual basis of 49 and 58 months for Train 1 and Train 2.

## 2.0 Project Highlights

This month Engineering started MOC HAZOPS, completed HAZOPS for GE and WHRU, and continued the IFC of equipment location plans, foundations and piling drawings.

Procurement issued 9 Purchase Orders for mechanical equipment, control systems, piping and valves. Subcontracts facilitated the production work of the Piling, Soil Improvement, Security Services and Construction General Services subcontractors. The Field Erected Tanks subcontract was awarded. Construction continues to support and oversee soils and piling subcontractors.

## 3.0 Environmental, Safety & Health Progress

Development of the HSSE Execution Plan is ongoing.

|                | Near Miss Cases |     | First Aid |     | OSHA Cases |     | LWDC Cases |     |
|----------------|-----------------|-----|-----------|-----|------------|-----|------------|-----|
|                | Month           | YTD | Month     | YTD | Month      | YTD | Month      | YTD |
| Bechtel        | 0               | 0   | 0         | 0   | 0          | 0   | 0          | 0   |
| Subcontractors | 0               | 0   | 0         | 0   | 0          | 0   | 0          | 0   |
| Total          | 0               | 0   | 0         | 0   | 0          | 0   | 0          | 0   |

## 4.0 Schedule

Overall project progress is 14.7% complete. The project continues to pursue the target Engineering, Procurement, and Construction schedule and continues development of its Level 3 EPC control schedule.

## 5.0 Construction

Soil stabilization subcontractor (RECON) continued soil stabilization activities in Train 1, Train 2, the inland portion of the RORO dock area, and the Heavy Haul Road.

BoMac continued the pipeline bridges on the Heavy Haul Road, poured the in-situ concrete abutments for the Heavy Haul Road pipeline bridge crossing.

Sabine Pass LNG, L.P. and Sabine Pass Liquefaction, LLC  
October 2012 Monthly Progress Report

| Area                        | Comments  | Planned Work for Next Reporting Period   |
|-----------------------------|---|--|
| Liquefaction Trains Area    | <ul style="list-style-type: none"> <li>Recon continued mixing for soil stabilization in the Train 1, Train 2, Tank 6, and Center Levee Road areas.</li> </ul>   | <ul style="list-style-type: none"> <li>Recon should continue soil stabilization work.</li> <li>Bomac may begin driving piles.</li> </ul>   |
| Support Buildings Area      | <ul style="list-style-type: none"> <li>None</li> </ul>  | <ul style="list-style-type: none"> <li></li> </ul>   |
| Access Roads, Waterline     | <ul style="list-style-type: none"> <li>Bomac continued constructing pipeline bridges on Heavy Haul Rd.</li> </ul>   | <ul style="list-style-type: none"> <li>Bomac should continue pipeline bridge construction.</li> <li>Recon should continue road improvements on Duck Blind and Heavy Haul Roads.</li> </ul> |
| Laydown, Staging Areas      | <ul style="list-style-type: none"> <li>Recon and Bomac mobilized personnel and equipment to the site.</li> <li>James construction arrived and are preparing to setup temporary Bechtel facilities.</li> </ul> | <ul style="list-style-type: none"> <li>Contractors will continue to mobilize personnel and equipment.</li> </ul>   |
| Construction Dock (Row-Row) | <ul style="list-style-type: none"> <li>None.</li> </ul>   | <ul style="list-style-type: none"> <li>Ro-Ro construction may begin this period.</li> </ul>  |
| Other                       | <ul style="list-style-type: none"> <li>Turbidity curtain near western outfall functioning properly.</li> </ul>  | <ul style="list-style-type: none"> <li>None.</li> </ul>  |

## 6.0 Permitting and Environmental

There are no permit-related hindrances to construction progress. All permits have been received.

### Summary of Problem Areas and Resolutions:

| Date       | Description   |
|------------|---|
| 10/30/2012 | A Recon track hoe operator, digging a slurry hole prior to soil stabilization mixing, discovered several buried drums and contaminated soil on the east side of Duck Blind Road adjacent to the Train 2 and Laydown 12 areas. Work was immediately stopped in the area, and Environmental and Supervisory personnel were informed. Flagging was installed around the site to alert personnel in the area of the contamination and open excavation. A waste removal contractor was brought to the location and placed all waste materials in storage containers, while samples were taken to the lab to determine the waste profile. Once the profile is received, all waste will be disposed of at an authorized location. There are no wetlands or waterbodies in this area. |

### Summary of Non-Compliances

- None.

### Landowner/Resident Complaints:

| Name  | Date | Tract ID # | Problem | Resolution |
|-------|------|------------|---------|------------|
| None. |      |            |         |            |

Sabine Pass LNG, L.P. and Sabine Pass Liquefaction, LLC  
October 2012 Monthly Progress Report

**Agency Contacts/Inspections:**

| Agency | Name | Date | Location/Activity |
|--------|------|------|-------------------|
| None.  |      |      |                   |

**Scheduled Changes for stream crossings or work in Environmentally Sensitive Areas:**

- None.



## 7.0 Progress Pictures



*Heavy Haul Road Pipeline Bridge Crossing (18-Oct-2012)*



*Heavy Haul Road Pipeline Bridge Crossing (18-Oct-2012)*

Sabine Pass LNG, L.P. and Sabine Pass Liquefaction, LLC  
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*Heavy Haul Road Pipeline Bridge Crossing (18-Oct-2012)*



*Recon Excavators Improving Soil (30-Oct-2012)*



Sabine Pass LNG, L.P. and Sabine Pass Liquefaction, LLC  
October 2012 Monthly Progress Report



*Recon Excavators Improving Soil (30-Oct-2012)*



*Waste drums uncovered during soil prep (30-Oct-2012)*

# **SABINE PASS LIQUEFACTION PROJECT**

**Cameron Parish, Louisiana**

**Progress Report for November 2012**

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## 1.0 Executive Summary

This report covers activities occurring during the month of November, 2012.

Engineering is 34.4% complete, Procurement is 27.5% complete and Construction work is 3.4% complete at the close of November. The overall project completion is 16.2% against a target plan of 16.5%.

The overall project schedule is progressing ahead of the contractual schedule basis. The Level 2 schedule reflects significant advancement of Train 1 and Train 2 substantial completion dates from the contractual basis. Early targets for Train 1 substantial completion and Train 2 substantial completion are 40 and 44 months, respectively against the contractual basis of 49 and 58 months for Train 1 and Train 2.

## 2.0 Project Highlights

This month engineering completed the IFC piling, equipment location and electrical one-line drawings for areas noted below. Engineering continues to progress material requisitions and vendor prints.

Procurement issued 15 Purchase Orders for mechanical equipment, control systems, piping and electrical bulks. The project is preparing to ship the first pipe to the fabricator and has received rebar and embeds on site. Procurement continues to receive a large volume of vendor data based on the awards made to date. Subcontracts facilitated the production work of the Soil Improvement, Piling, Temporary Buildings, Field Erected Tanks and Construction General Service's subcontractors. Construction continues to support and oversee soils and piling subcontractors. Early temporary facilities arrived on site and are being set up for use in December.

## 3.0 Environmental, Safety & Health Progress

The project continues to operate injury free. No safety incidents to report for the month of November.

|                | Near Miss Cases |     | First Aid |     | OSHA Cases |     | LWDC Cases |     |
|----------------|-----------------|-----|-----------|-----|------------|-----|------------|-----|
|                | Month           | YTD | Month     | YTD | Month      | YTD | Month      | YTD |
| Bechtel        | 0               | 0   | 0         | 0   | 0          | 0   | 0          | 0   |
| Subcontractors | 0               | 0   | 0         | 0   | 0          | 0   | 0          | 0   |
| Total          | 0               | 0   | 0         | 0   | 0          | 0   | 0          | 0   |

## 4.0 Schedule

Overall project progress is 16.2% complete. The project continues to pursue the target Engineering, Procurement, and Construction schedule activities.

## 5.0 Construction

| Area                        | Comments   | Planned Work for Next Reporting Period   |
|-----------------------------|--|--|
| Liquefaction Trains Area    | <ul style="list-style-type: none"> <li>Mixing for soil stabilization in the Train 1 and 2 areas.</li> <li>Began pile driving activities on Nov 28 and drove 40 piles. A total of 172 piles were driven in the month of November</li> </ul> | <ul style="list-style-type: none"> <li>Continue soil stabilization work.</li> <li>Continue driving piles.</li> </ul>   |
| Support Buildings Area      | <ul style="list-style-type: none"> <li>Two double wide trailers for the general foremen and warehouse offices were delivered, wired for automation and power.</li> </ul>   | <ul style="list-style-type: none"> <li>The facilities will be powered up in early December for use.</li> </ul>   |
| Access Roads, Waterline     | <ul style="list-style-type: none"> <li>Soil stabilization and improvements to Heavy Haul Road.</li> <li>The Panels were poured and will be installed early December.</li> </ul>  | <ul style="list-style-type: none"> <li>Continue pipeline bridge construction.</li> <li>Continue road improvements on Duck Blind and Heavy Haul Roads.</li> </ul> |
| Laydown, Staging Areas      | <ul style="list-style-type: none"> <li>Subcontractors mobilized personnel and equipment to the site.</li> <li>Began improvements (grading, rocking, etc.) to the Laydown 1 and secondary parking areas.</li> </ul>                         | <ul style="list-style-type: none"> <li>Contractors will continue to mobilize personnel and equipment.</li> </ul>   |
| Construction Dock (Row-Row) | <ul style="list-style-type: none"> <li>Recon began mixing for soil stabilization in the Ro-Ro/Heavy Haul Road area.</li> </ul>   | <ul style="list-style-type: none"> <li>Ro-Ro construction may begin this period.</li> </ul>  |
| Other                       | <ul style="list-style-type: none"> <li>Turbidity curtain near western outfall functioning properly.</li> </ul>   | <ul style="list-style-type: none"> <li></li> </ul>   |

## 6.0 Permitting and Environmental

The soil stabilization subcontractor is preparing the Heavy Haul Road (HHR) and temporarily removed sediment control silt fence in order to complete improvements to the portion of heavy haul road that is immediately adjacent to wetlands. All E&S controls have been replaced along the wetland boundaries to protect those features from any sedimentation. The area continues to be monitored while the HHR work is being performed. Elsewhere on the site, silt fence and signage are correctly posted and in good condition. Hazardous material storage onsite is in compliance with the Spill Prevention, Control and Countermeasures (SPCC) Plan. All environmental plans are currently up to date and issued for construction.

There are no permit-related hindrances to current construction progress. All permits are in place or progressing.

Sabine Pass LNG, L.P. and Sabine Pass Liquefaction, LLC  
November 2012 Monthly Progress Report

**Summary of Problem Areas and Resolutions:**

| Date              | Description (include description of Non-Compliance, Corrective action and its effectiveness, and the estimated cost).   |
|-------------------|---|
| 11/12/2012        | Minor spill: During inspection, noted a residue on, and dark soil under, Bomac's western pile driving hammer in the Train 1 area. It appears that, although the fuel tank was empty, a small leak formed in one of the external fuel line fittings, allowing some residual fuel within the line to leak out onto the equipment. The rainfall (0.2") on the previous day then diluted the fuel and caused runoff. While a pool had been placed under the equipment to serve as secondary containment, there were numerous pin-holes in the pool which allowed the water/diesel mixture to reach the ground. The deficiencies in the secondary containment structures were noted previously by Cheniere personnel and had been communicated to both Bechtel and Bomac personnel on Thursday, 11/8/2012, and Friday, 11/9/2012. According to Bomac personnel, the replacement secondary containment was ordered but had not yet arrived. This incident occurred in an upland area, more than 100 feet from a wetland or waterbody. The amount of diesel fuel spilled is estimated at less than one quart. Bechtel and Bomac environmental personnel responded to this incident in accordance with the site's SPCC plan by quickly cleaning the equipment with oil absorbent materials, inserting additional containment, repairing the leaking fuel line, and removing and placing contaminated soil in a labeled drum for transport to an approved disposal facility. |
| 10/30/12 - UPDATE | The waste discovered during excavation and reported to FERC in the October 2012 report was staged onsite in storage containers, while samples were taken to the lab to determine the waste profile. Profiles were received and Sabine Pass identified a disposal location for the materials. All materials were removed from the site on 12/13/12 and sent to an approved disposal facility.  |

**Summary of Non-Compliances**

- None.

**Landowner/Resident Complaints:**

- None.

**Agency Contacts/Inspections:**

| Agency | Name           | Date       | Location/Activity |
|--------|----------------|------------|-------------------|
| FERC   | Sentho White   | 11/15/2012 | Liquefaction/All  |
| FERC   | Karla Bathrick | 11/15/2012 | Liquefaction/All  |

**Scheduled Changes for stream crossings or work in Environmentally Sensitive Areas:**

- None.



## 7.0 Progress Pictures



*BoMac Piling Rigs (27-Nov-2012)*



*Pile Laydown near the Construction Dock (27-Nov-2012)*



*Pipe Bridge ready for Top Panels (27-Nov-2012)*



*Train 2 Soil Mixing (27-Nov-2012)*

Sabine Pass LNG, L.P. and Sabine Pass Liquefaction, LLC  
November 2012 Monthly Progress Report



*Heavy Hall Road (27-Nov-2012)*



*Train 1 Bathtub (27-Nov-2012)*

Sabine Pass LNG, L.P. and Sabine Pass Liquefaction, LLC  
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*Parking Lot (27-Nov-2012)*



*Train 1 / Train 2 Mixing (27-Nov-2012)*





*First Pile (28-Nov-2012)*



*Pile Drive Analyzer (28-Nov-2012)*

**SABINE PASS LIQUEFACTION PROJECT**  
**Cameron Parish, Louisiana**

**Progress Report for December 2012**

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## 1.0 Executive Summary

This report covers activities occurring during the month of December, 2012.

Engineering is now 39.1% complete; Procurement is 30.2% complete; and Construction work is 5.0% complete at the end of December. The overall project completion is 18.0% against a target plan of 18.0%.

The overall project schedule is progressing ahead of the contractual schedule basis. The level 2 schedule reflects advancement of Train 1 and Train 2 substantial completion dates from the contractual basis. Early targets for Train 1 substantial completion and Train 2 substantial completion are 43 and 47 months, respectively, against the contractual basis of 49 and 58 months for Train 1 and Train 2.

## 2.0 Project Highlights

This month engineering began the IFC issue of underground isometrics and continues the IFC piling, foundations, equipment location and electrical oneline drawings for areas noted below. Engineering continues to progress material requisitions and vendor prints.

Procurement issued 8 Purchase Orders for the electrical power houses, transformers, HDPE pipe fabrication, and domestic pipe fabrication. This completes the purchase of mechanical equipment. Field procurement has received rebar, embeds, and forms to support construction efforts on upcoming concrete work. Subcontracts facilitated production of the soil improvement, piling, temporary buildings, and field erected tanks and construction general service's subcontractors. The Ready Mix Concrete Supply subcontract was awarded in December.

Construction continues to support and oversee soils, piling and indirect subcontractors.

## 3.0 Environmental, Safety & Health Progress

The Project had one near miss and one first aid case in the month of December.

|                | Near Miss Cases |          | First Aid |          | OSHA Cases |          | LWDC Cases |          |
|----------------|-----------------|----------|-----------|----------|------------|----------|------------|----------|
|                | Month           | YTD      | Month     | YTD      | Month      | YTD      | Month      | YTD      |
| Bechtel        | 0               | 0        | 0         | 0        | 0          | 0        | 0          | 0        |
| Subcontractors | 1               | 1        | 1         | 1        | 0          | 0        | 0          | 0        |
| <b>Total</b>   | <b>1</b>        | <b>1</b> | <b>1</b>  | <b>1</b> | <b>0</b>   | <b>0</b> | <b>0</b>   | <b>0</b> |

## 4.0 Schedule

Overall project progress is 18.0% complete against a plan of 18.0%. The project continues to pursue the target Engineering, Procurement, and Construction schedule activities.

## 5.0 Construction

| Area                      | Comments   | Planned Work for Next Reporting Period   |
|---------------------------|--|--|
| Liquefaction Trains Area  | <ul style="list-style-type: none"> <li>• Mixing for soil stabilization in the Train 1 and 2 areas.</li> <li>• Continued pile driving activities. A total of 985 piles were driven in the month of December for a total of 1025 piles.</li> </ul> | <ul style="list-style-type: none"> <li>• Recon should continue soil stabilization work.</li> <li>• Continue driving piles.</li> </ul>        |
| Support Buildings Area    | <ul style="list-style-type: none"> <li>• None.</li> </ul>  | <ul style="list-style-type: none"> <li>• None.</li> </ul>  |
| Access Roads, Waterline   | <ul style="list-style-type: none"> <li>• Completed pipeline bridge construction.</li> <li>• Completed soil stabilization and improvements on Heavy Haul Road between the construction dock and Center Levee Road.</li> </ul>                     | <ul style="list-style-type: none"> <li>• Improvements to Hwy 82 turning lanes expected to begin in January.</li> </ul>                       |
| Laydown, Staging Areas    | <ul style="list-style-type: none"> <li>• Subcontractors mobilized personnel and equipment to the site.</li> <li>• Continued improvements (grading, rocking, etc.) to the Laydown 1 and secondary parking areas.</li> </ul>                       | <ul style="list-style-type: none"> <li>• Contractors will continue to mobilize personnel and equipment.</li> </ul>                           |
| Construction Dock (Ro-Ro) | <ul style="list-style-type: none"> <li>• Continued to receive and offload pile barges at the construction dock.</li> </ul>   | <ul style="list-style-type: none"> <li>• Continue to receive pile barges.</li> <li>• Ro-Ro construction should begin this period.</li> </ul> |
| Other                     | <ul style="list-style-type: none"> <li>• Turbidity curtain near western outfall functioning properly.</li> </ul>   | <ul style="list-style-type: none"> <li>• Construction of stormwater outfall expected to begin.</li> </ul>                                    |

## 6.0 Permitting and Environmental

Straw bale sediment controls have been installed along Heavy Haul Road and adjacent to the wetlands. Elsewhere on the site, silt fence and signage are correctly posted and in good condition. Hazardous material storage onsite is in compliance with the Spill Prevention, Control and Countermeasures Plan. All environmental plans are currently up to date and issued for construction.

There are no permit-related hindrances to current construction progress. All permits are in place or progressing.

| Summary of Problems, Non-Compliances, and Corrective Actions |   |
|--|---|
| Date   | Description (include description of Non-Compliance, Corrective action and its effectiveness, and the estimated cost).   |
| 12/3/2012  | MINOR LEAK – During pile driving operations, a hydraulic fluid hose fitting failed on a pile driving rig. The apparatus was using Shell Naturelle biodegradable hydraulic fluid, which sprayed the equipment and mats during the failure. It is estimated that less than a quart of the fluid contacted the stabilized soil. The equipment was repaired and cleaned, the equipment mats were cleaned, and the contaminated soil removed and placed in a labeled drum for proper disposal. |

**Summary of Non-Compliances**

- None.

**Landowner/Resident Complaints:**

- None.

**Agency Contacts/Inspections:**

- None.

**Scheduled Changes for stream crossings or work in Environmentally Sensitive Areas:**

- None.

## 7.0 Progress Pictures



*Pipeline Crossing Bridge Panel Installation (05-Dec-2012)*



*Piles Arriving by Barge (10-Dec-2012)*



*Piling Progress in Area N (21-Dec-2012)*



*Piling Progress in Area N (21-Dec-2012)*

# **SABINE PASS LIQUEFACTION PROJECT**

**Cameron Parish, Louisiana**

**Progress Report for January 2013**

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## 1.0 Executive Summary

This report covers activities occurring during the month of January, 2013.

Engineering is now 43.0% complete; Procurement is 32.1% complete; Subcontract and Direct Hire Construction work are 6.3% and 0.1% complete, respectively, at the end of January, 2013. The overall project completion is 19.4%.

The overall project schedule is progressing ahead of the contractual schedule basis. The Level 2 schedule reflects advancement of Train 1 and Train 2 substantial completion dates from the contractual basis. Early targets for Train 1 substantial completion and Train 2 substantial completion are February, 2016 (Month 43) and June, 2016 (Month 47), respectively.

## 2.0 Project Highlights

This month engineering continues the IFC issue of underground design including underground piping iso's, electrical grounding, piling (~33% complete), and foundations. Engineering continues the issue of P&ID's, equipment location and electrical one-line drawings for areas noted below. Engineering continues to progress 50% model reviews, material requisitions and vendor prints.

Procurement issued 4 Purchase Orders. The project has executed over 180 piping releases and continues to deliver materials to the fabricator. Major Equipment fabrication is being monitored closely with no major delays anticipated. Materials are arriving at the jobsite to support the construction efforts. Subcontracts facilitated production of the soil improvement, piling, temporary buildings, field erected tanks, and ready mix concrete subcontractors. The field radio systems, concrete & soils testing and drug & alcohol testing subcontracts were awarded in January.

Construction continues to support and oversee soil stabilization and rough grading, piling and indirect subcontractors. First structural concrete pour was accomplished.

## 3.0 Environmental, Safety & Health Progress

The Project had one first aid case and two recordables in the month of January.

|                | Near Miss Cases |          | First Aid |          | OSHA Cases |          | LWDC Cases |          |
|----------------|-----------------|----------|-----------|----------|------------|----------|------------|----------|
|                | Month           | YTD      | Month     | YTD      | Month      | YTD      | Month      | YTD      |
| Bechtel        | 0               | 0        | 0         | 0        | 0          | 0        | 0          | 0        |
| Subcontractors | 0               | 1        | 1         | 2        | 2          | 2        | 0          | 0        |
| <b>Total</b>   | <b>0</b>        | <b>1</b> | <b>1</b>  | <b>2</b> | <b>2</b>   | <b>2</b> | <b>0</b>   | <b>0</b> |

## 4.0 Schedule

Overall project progress is 19.4% complete. The project continues to pursue the target Engineering, Procurement, and Construction schedule activities. The project is performing to its target plan.



## 5.0 Construction

| Area                      | Comments  | Planned Work for Next Reporting Period   |
|---------------------------|---|--|
| Liquefaction Trains Area  | <ul style="list-style-type: none"> <li>Continued mixing for soil stabilization in the Train 1 and 2 areas.</li> <li>Continued pile driving activities for a total of 1450 piles driven during the month of January for a grand total of 2500 piles driven.</li> </ul> | <ul style="list-style-type: none"> <li>Continue soil stabilization work.</li> <li>Continue driving piles.</li> </ul>                     |
| Support Buildings Area    | <ul style="list-style-type: none"> <li>None.</li> </ul>   | <ul style="list-style-type: none"> <li>None.</li> </ul>  |
| Access Roads, Waterline   | <ul style="list-style-type: none"> <li>Installed straw bales between pipeline bridges and Center Levee Road.</li> <li>Installed silt fence between the Ro-Ro and pipeline bridges.</li> </ul>   | <ul style="list-style-type: none"> <li>Recon may continue rerouting Duck Blind Road.</li> </ul>  |
| Laydown, Staging Areas    | <ul style="list-style-type: none"> <li>Mobilized personnel and equipment to the site.</li> </ul>  | <ul style="list-style-type: none"> <li>Contractors will continue to mobilize personnel and equipment.</li> </ul>                         |
| Construction Dock (Ro-Ro) | <ul style="list-style-type: none"> <li>Continued to receive and offload pile barges at the construction dock.</li> </ul>  | <ul style="list-style-type: none"> <li>Continue to receive pile barges.</li> <li>Ro-Ro construction should begin in February.</li> </ul> |
| Other                     | <ul style="list-style-type: none"> <li>Turbidity curtain near western outfall functioning properly</li> <li>Hwy 82 turning lanes construction continuing.</li> </ul>  | <ul style="list-style-type: none"> <li>Installation of retaining panels along heavy haul road near Tank 3.</li> </ul>                    |

## 6.0 Permitting and Environmental

There are no permit-related hindrances to current construction progress. All permits are in place or progressing.

| Summary of Problems, Non-Compliances, and Corrective Actions |   |
|--|---|
| Date   | Description (include description of Non-Compliance, Corrective action and its effectiveness, and the estimated cost). |
|  | None.   |

### Summary of Non-Compliances

- None.

### Landowner/Resident Complaints:

- None.

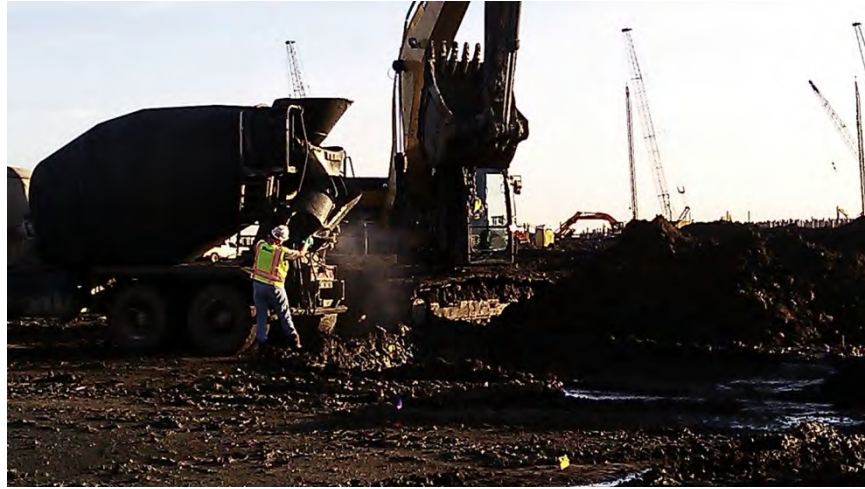
### Agency Contacts/Inspections:

- None.

### Scheduled Changes for stream crossings or work in Environmentally Sensitive Areas:

- None.

## 7.0 Progress Pictures



*Slurry Pour to a Mix Grid (14-Jan-2013)*



*Pile Driving, Area 131N (14-Jan-2013)*



*Pile Cutting in Area 131N (14-Jan-2013)*



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*Bechtel Temporary Facilities (14-Jan-2013)*



*Pile Tension Connectors in Area 131N (14-Jan-2013)*



*Silt fence installation between the Ro-Ro and the pipeline bridges (14-Jan-2013)*

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*Installation of silt fence near the low pressure vent stack (14-Jan-2013)*

# **SABINE PASS LIQUEFACTION PROJECT**

**Cameron Parish, Louisiana**

**Progress Report for February 2013**

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## 1.0 Executive Summary

This report covers activities occurring during the month of February, 2013.

Engineering is now 47.0% complete; Procurement is 36.0% complete; Subcontract and direct hire construction work are 10.4% and 0.2% complete, respectively. The overall project completion is 22.0%.

The overall project schedule is progressing ahead of the contractual schedule basis. The dates for Train 1 substantial completion and Train 2 substantial completion are February, 2016 and June, 2016, respectively.

## 2.0 Project Highlights

This month engineering completed all 50% model reviews. Engineering continues to issue the IFC underground piping isometrics, electrical grounding, piling, and foundations. Engineering continues the IFC of P&ID's, equipment location, and electrical one-line drawings. Engineering commenced 90% model reviews in February.

Procurement's major effort is focused on delivering pipe, valves, and fittings to the pipe fabricators to maintain the pipe fabrication schedule. Major Equipment fabrication is being monitored closely with no major delays anticipated. Materials deliveries of fabricated steel, rebar, and embeds continue to arrive at the jobsite to support construction with no shortages reported.

Construction subcontractor progress continues with soil stabilization and rough grading and pile fabrication and installation during this period. Soil stabilization continues progress in OSBL and temporary facilities areas while pile driving continues in Train 1 and Train 2 ISBL areas. Bechtel direct hire construction progressed the structural concrete program with the continued placement of structural foundations.

## 3.0 Environmental, Safety & Health Progress

The Project had three first aid cases in the month of February.

|                | Near Miss Cases |          | First Aid |          | OSHA Cases |          | LWDC Cases |          |
|----------------|-----------------|----------|-----------|----------|------------|----------|------------|----------|
|                | Month           | YTD      | Month     | YTD      | Month      | YTD      | Month      | YTD      |
| Bechtel        | 0               | 0        | 2         | 2        | 0          | 0        | 0          | 0        |
| Subcontractors | 0               | 1        | 1         | 4*       | 2          | 2        | 0          | 0        |
| <b>Total</b>   | <b>0</b>        | <b>1</b> | <b>3</b>  | <b>6</b> | <b>2</b>   | <b>2</b> | <b>0</b>   | <b>0</b> |

\* Additional first aid should have been included in January report.

## 4.0 Schedule

Overall project progress is 22.0% complete. The project is performing to its plan, with construction completing the propane condensers rack foundation ahead of the plan.

## 5.0 Construction

| Area                               | Comments  | Planned Work for Next Reporting Period  |
|------------------------------------|---|---|
| Liquefaction Trains Area (Stage 1) | <ul style="list-style-type: none"> <li>Continued mixing for soil stabilization.</li> <li>Continued pile driving activities<sup>1</sup>.</li> <li>Base foundation pours completed.</li> <li>Formwork and rebar activities continue.</li> <li>Pedestals are being worked with forms and rebar.</li> </ul> | <ul style="list-style-type: none"> <li>Continue soil stabilization work.</li> <li>Continue driving piles</li> <li>Structural base foundations expected to be completed.</li> <li>Installation of structural steel is planned to begin the first week of March.</li> </ul> |
| Support Buildings Area             | <ul style="list-style-type: none"> <li>Drove piles for the warehouse adjacent to the Laydown 1 and 5 areas.</li> </ul>  | <ul style="list-style-type: none"> <li>Continue foundation work in the Laydown areas.</li> </ul>  |
| Access Roads, Waterline            | <ul style="list-style-type: none"> <li>Began replacing silt fence with straw bales adjacent to the Duck Blind/Heavy Haul Road.</li> <li>Completed reinforcement panels along 150-ft section of Heavy Haul Road.</li> </ul>  | <ul style="list-style-type: none"> <li>Continue improvements to Duck Blind/heavy haul Road</li> </ul>   |
| Laydown, Staging Areas             | <ul style="list-style-type: none"> <li>Subcontractors mobilized personnel and equipment to the site.</li> <li>Continued pile driving in the Laydown 2, 6, and 8 areas.</li> </ul>   | <ul style="list-style-type: none"> <li>Contractors will continue to mobilize personnel and equipment</li> </ul>   |
| Construction Dock (Ro-Ro)          | <ul style="list-style-type: none"> <li>Continued to receive and offload pile barges at the construction dock.</li> <li>Began pile driving for the Ro-Ro.</li> </ul>   | <ul style="list-style-type: none"> <li>Continued to receive pile barges</li> <li>Ro-Ro construction will continue this period.</li> </ul>   |
| Other                              | <ul style="list-style-type: none"> <li>Turbidity curtain near western outfall functioning properly</li> </ul>   |   |

<sup>1</sup> A total of 1,724 piles driven through the end of February. The grand total of piles driven to date is over 4,203 piles with 72% (3,041) having been cut to the proper elevation.

## 6.0 Permitting and Environmental

There are no permit-related hindrances to current construction progress. All permits are in place or progressing. FERC Authorization for the installation of structural steel was received on February 15, 2013.



| Summary of Problems, Non-Compliances, and Corrective Actions |   |
|--|---|
| Date   | Description (include description of Non-Compliance, Corrective action and its effectiveness, and the estimated cost). |
|  | None.   |

**Summary of Non-Compliances**

- None.

**Landowner/Resident Complaints:**

- None.

**Agency Contacts/Inspections:**

| Agency | Name        | Date      | Location/Activity |
|--------|-------------|-----------|-------------------|
| FERC   | Chris Zerby | 2/26/2013 | Liquefaction/All  |
| FERC   | Mike Boyle  | 2/26/2013 | Liquefaction/All  |

**Scheduled Changes for stream crossings or work in Environmentally Sensitive Areas:**

- None.

## 7.0 Progress Pictures



*Concrete Pour 131N (14-Feb-2013)*

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*Pile Tension Connectors 131N (14-Feb-2013)*



*Finishing the Pour, 131N (14-Feb-2013)*

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*Road Work and Soil Mixing, Recon (14-Feb-2013)*



*Concrete Pump Trucks (14-Feb-2013)*



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*Pedestal Formwork (14-Feb-2013)*



*Reinforced hay bales installed along Heavy Haul Road (28-Feb-2013)*