



Cheniere Energy, Inc.  
700 Milam Street, Suite 1900  
Houston, Texas 77002  
phone: 713.375.5000  
fax: 713.375.6000

**RECEIVED**  
**By DOE/FE at 3:45 pm, Sep 26, 2018**

September 26, 2018

U. S. Department of Energy – The Office of Fossil Energy  
Natural Gas Regulatory Activities  
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 for Period of March 1, 2018, through August 30, 2018  
FE Docket Nos. 10-85-LNG, 10-111-LNG, 13-30-LNG, 13-42-LNG, 13-121-LNG, 14-92-LNG & 15-63-LNG  
DOE/FE Order Nos. 2833, 2961-A, 3306, 3307, 3384, 3595, 3669, 3792, 3306-A, 3307-A, 3384-A & 3669-B

Dear Ms. Moore:

Pursuant to the above-referenced Orders, Sabine Pass Liquefaction, LLC (“Sabine Pass”), must file with the U. S. Department of Energy - Office of Natural Gas Regulatory Activities (“DOE”), on a semi-annual basis, written reports describing the progress of the planned liquefaction facility project. These reports shall include information on the progress of the Sabine Pass LNG Terminal liquefaction facility, and the status of the long-term contracts associated with the long-term export of LNG and any long-term supply contracts.

Sabine Pass is herein submits its semi-annual report for March 1, 2018, through August 30, 2018, describing the construction progress of the Sabine Pass Liquefaction Project. This report covers the construction activities for the Sabine Pass Liquefaction Expansion Project (Stage 3) authorized under FERC Docket Nos. CP13-552-000 and CP13-2-000. Please refer to **Attachment A** for the Monthly Reports for construction activities which were submitted to Federal Energy Regulatory Commission under FERC Docket Numbers CP13-2-000 and CP13-552-000 during the reporting period.

Provided below is information relating to the status of long term contracts that have been executed during the reporting period. These contracts have or will be provided to the DOE in accordance with the conditions provided in the above referenced Orders.

- On May 16, 2018, Cheniere Marketing, LLC (“Cheniere Marketing”) and Trafigura Pte Ltd. (“Trafigura”) entered into an Amended & Restated LNG SPA which amends, supersedes and replaces entirely the previously reported LNG SPA between Cheniere Marketing and Trafigura dated January 12, 2018.

- On August 10, 2018, Cheniere Marketing International LLP announced that it had entered into an LNG SPA with CPC Corporation, Taiwan (“CPC”) under which CPC agreed to purchase approximately 2 million tonnes per annum of LNG from Cheniere Marketing International LLP on a delivered ex-ship basis for a term of 25 years beginning in 2021. This LNG SPA may be supplied by LNG produced at the Sabine Pass Liquefaction Facility or the Corpus Christi Liquefaction Facility.

Please call Taylor Johnson or me at 713-375-5000 if you have any questions.

Sincerely,



Karri Mahmoud  
Sabine Pass Liquefaction, LLC

Sabine Pass Liquefaction, LLC  
DOE Semi-Annual Report for Period March 1, 2018, through August 30, 2018

**ATTACHMENT A**

# **SABINE PASS LIQUEFACTION PROJECT**

Cameron Parish, Louisiana

Monthly Progress Report

March 2018

## Table of Contents

1.	Executive Summary .....	1
2.	Project Highlights .....	1
3.	Environmental, Safety, and Health Progress .....	1
4.	Schedule .....	1
5.	Construction and Start up .....	2
6.	Permitting and Environmental .....	2
7.	PHOTOS.....	3

## 1. Executive Summary

This progress report for the Sabine Pass Liquefaction projects covers activities for March 2018.

Stage 3 Engineering and Procurement are at 100% complete. Subcontract work is 70.2% complete and direct hire work is 78.0%. Stage 3 overall project completion is 89.3% against the plan of 89.0%. Train 5 is projecting June 2019 for substantial completion.

## 2. Project Highlights

Construction continues to progress piping installation and testing, installation of miscellaneous concrete foundations, conduit installation, cable pulling and terminations in all available areas in Train 5 and OSBL. Some highlights from the past month include commencing the installation of gas generators, performing the fire water function checks in OSBL, turning over the wet flare system in OSBL, and placing the ISBL instrument air system into service. Next month, turning over of the GTG, utilities, and flare systems will continue. Furthermore, preparation for GTG cold cranks will be underway, and the wet flare in OSBL will be lit on temporary propane. See Section 4.0 for additional information on Construction Progress.

## 3. Environmental, Safety, and Health Progress

During the month of March, the following ES&H events occurred.

	Near Miss		First Aid		Recordable		Lost Time	
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	6	2718	27	3568	0	111	0	14
Subcontractor	0	116	0	230	0	9	0	1
Total	6	2834	27	3798	0	120	0	15

## 4. Schedule

Stage 3 Engineering and Procurement are at 100% complete. Subcontract work is 70.2% complete and direct hire work is 78.0%. Stage 3 overall project completion is 89.3% against the plan of 89.0%. Train 5 is projecting June 2019 for substantial completion.

## 5. Construction and Start up

Activities by Area		
Area	Activities in March	Planned Work for April
Stage 3 – Train 5 & Stage 3 ISBL and OSBL (CP13-552)	<ul style="list-style-type: none"> <li>Continue concrete foundations and paving installations.</li> <li>Continue to erect structural steel.</li> <li>Continue cable tray installation and cable pulls.</li> <li>Continue installation of roads, trenches and culverts.</li> <li>Completed OSBL underground firewater assembly, testing, and installation.</li> <li>Completed foundations on the LNG sump</li> <li>Commenced ISBL gas generator installation</li> <li>Completed AG pipe installation in OSBL for the utilities pipe rack, main east-west pipe rack, refrigerant storage pipe rack, knockout drum pipe rack.</li> <li>Completed outfall structure.</li> <li>Continued turning over utility related systems from construction to startup.</li> <li>Placed ISBL instrument air into service.</li> <li>Perform fire water function checks in OSBL.</li> <li>Turned over the wet flare system in OSBL.</li> </ul>	<ul style="list-style-type: none"> <li>Continue concrete foundations and paving installations.</li> <li>Continue to erect structural steel.</li> <li>Continue installation of A/G pipe.</li> <li>Continue cable tray installation and cable pulls.</li> <li>Continue installation roads, trenches and culverts.</li> <li>Continue receiving and staging of Fin Fan motors in the Propane Condenser area and commence installation</li> <li>Continue turning over systems from construction to startup with focus on GTG, utilities and flare systems.</li> <li>Place ISBL Instrument Air into service</li> <li>Perform Fire Water function checks</li> <li>Prepare for commencing of cold cranks.</li> <li>Light the wet flare on temporary propane.</li> </ul>
Third Meter (CP13-2)	<ul style="list-style-type: none"> <li>Excavation on meter station area</li> <li>Continue sheet piling and timber piling for station</li> <li>Pouring foundations</li> </ul>	<ul style="list-style-type: none"> <li>Continue pouring foundations</li> </ul>

## 6. Permitting and Environmental

### Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

### Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

## 7. PHOTOS



*Train 5 – Piping Progress at Propane Refrigeration Area*



*OSBL – Water Treatment Building Progress*





*OSBL – Valve Platform Structure with Pipe Installation*



*Third meter - Excavation at meter station*

# **SABINE PASS LIQUEFACTION PROJECT**

Cameron Parish, Louisiana

Monthly Progress Report  
April 2018

## Table of Contents

1.	Executive Summary .....	1
2.	Project Highlights .....	1
3.	Environmental, Safety, and Health Progress .....	1
4.	Schedule .....	1
5.	Construction and Start up .....	2
6.	Permitting and Environmental .....	2
7.	Photos .....	3

## 1. Executive Summary

This progress report for the Sabine Pass Liquefaction projects covers April 2018 activities.

Stage 3 Engineering and Procurement are at 100% complete. Subcontract work is 73.2% complete and direct hire work is 83.2%. Stage 3 overall project completion is 90.4% against the plan of 90.8%. Train 5 is projecting June 2019 for substantial completion.

## 2. Project Highlights

Construction continues to complete punchlist items, progress piping installation, testing, area paving conduit installation, cable pulling and terminations in all available areas of Train 5 and OSBL. Some highlights from the past month include igniting the pilots on the OSBL wet flare system, commencing cold cranks of refrigerator turbines, and first fire of GTG-A and GTG-B. Next month, the ISBL wet flare systems will be turned over while cold cranks of the refrigeration turbines will continue. See Section 5 for additional information on Construction Progress.

## 3. Environmental, Safety, and Health Progress

During the month of April, the following ES&H events occurred.

	Near Miss		First Aid		Recordable		Lost Time	
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	5	2722	22	3597	0	111	0	14
Subcontractor	0	116	0	230	0	9	0	1
Total	5	2838	22	3827	0	120	0	15

## 4. Schedule

Stage 3 Engineering and Procurement are at 100% complete. Subcontract work is 73.2% complete and direct hire work is 83.2%. Stage 3 overall project completion is 90.4% against the plan of 90.8%. Train 5 is projecting June 2019 for substantial completion.

## 5. Construction and Start up

Activities by Area		
Area	Activities in April	Planned Work for May
Stage 3 – Train 5 & Stage 3 ISBL and OSBL (CP13-552)	<ul style="list-style-type: none"> <li>Continue concrete foundations and trenching.</li> <li>Continue cable tray installation and cable pulls.</li> <li>Continue installation of roads, trenches and culverts.</li> <li>Continued turning over utility related systems from construction to startup.</li> <li>Continue installation of ISBL AG pipe.</li> <li>Continued aboveground pipe testing and restoration in ISBL and OSBL.</li> <li>Completed AG pipe installation in OSBL for the flare pipe rack and water treatment building.</li> </ul>	<ul style="list-style-type: none"> <li>Continue concrete foundations, and paving installations.</li> <li>Continue A/G pipe testing.</li> <li>Continue cable tray installation and cable pulls.</li> <li>Continue installation roads, trenches and culverts.</li> <li>Continue receiving and staging of Fin Fan motors</li> <li>Continue turning over systems from construction to startup with focus on GTG, utilities and flare systems.</li> <li>Perform Fire Water function checks</li> <li>Prepare for commencing of cold cranks.</li> <li>Light the wet flare on temporary propane.</li> </ul>
Third Meter (CP13-2)	<ul style="list-style-type: none"> <li>Filter seps being set</li> <li>Set EGM Building is set in place</li> <li>Flow Control Tubes are being bolted in place</li> <li>2" pipe welding ongoing in the meter site</li> <li>Backfilling around meters and flow control</li> </ul>	<ul style="list-style-type: none"> <li>Continue construction.</li> </ul>
Condensate Tank (CP13-2)	<ul style="list-style-type: none"> <li>Continue to construct condensate tank and associated facilities.</li> <li>Shaping the berm and forming for the spill containment slab</li> </ul>	<ul style="list-style-type: none"> <li>Continue construction.</li> <li>Continue construction of spill containment.</li> </ul>

## 6. Permitting and Environmental

### Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

### Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

## 7. Photos



*Train 5 – Construction of the Compressor Deck*



*Train 5 – Construction progress for the J01 Structure*



*Train 5 – Area Paving*



*OSBL – Flare Air Compressor Area*



*OSBL – Flare Rack*



*OSBL – Gas Turbine Generator Area*





*OSBL – Condensate Tank (CP13-2-000)*



*Meter station construction (CP13-2-000)*

# **SABINE PASS LIQUEFACTION PROJECT**

Cameron Parish, Louisiana

Monthly Progress Report  
May 2018

## Table of Contents

1.	Executive Summary .....	1
2.	Project Highlights .....	1
3.	Environmental, Safety, and Health Progress .....	1
4.	Schedule .....	1
5.	Construction and Start up .....	2
6.	Permitting and Environmental .....	2
7.	Photos .....	3

## 1. Executive Summary

This progress report for the Sabine Pass Liquefaction projects covers May 2018 activities.

Stage 3 Engineering and Procurement are 100% complete. Subcontract work is 88.2% complete and direct hire Construction is 88.2% complete. Stage 3 overall project completion is 93.6% against the plan of 92.3%. Train 5 is projecting June 2019 for substantial completion.

## 2. Project Highlights

Construction continues to progress piping installation, testing, area paving, conduit installation, cable pulling, terminations and complete punchlist items in all available areas of Train 5 and OSBL. Some highlights from the past month include turning over the ISBL wet flare and thermal oxidizer systems. Next month, the ISBL dry flare will be turned over while cold cranks of the refrigeration turbines will continue and mechanical runs will begin on the ethylene compressors.

## 3. Environmental, Safety, and Health Progress

During the month of May, the following ES&H events occurred.

May 2018	Near Miss		First Aid		Recordable		Lost Time	
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	2	2727	23	3627	0	111	0	14
Subcontractor	0	116	0	230	0	9	0	1
Total	2	2843	23	3857	0	120	0	15

## 4. Schedule

Stage 3 Engineering and Procurement are 100% complete. Subcontract work is 88.2% complete and direct hire Construction is 88.2% complete. Stage 3 overall project completion is 93.6% against the plan of 92.3%. Train 5 is projecting June 2019 for substantial completion.

## 5. Construction and Start up

Activities by Area		
Area	Activities in May	Planned Work for June
Stage 3 – Train 5 & Stage 3 ISBL and OSBL (CP13-552)	<ul style="list-style-type: none"> <li>Continue cable tray installation and cable pulls.</li> <li>Continue installation of roads, trenches and culverts.</li> <li>Continued turning over systems from construction to startup.</li> <li>Continued aboveground pipe installation, testing, and restoration in ISBL and OSBL.</li> <li>Completed staging and installation Fin Fan motors in the Cryo Rack area.</li> </ul>	<ul style="list-style-type: none"> <li>Continued aboveground pipe installation, testing, and restoration in ISBL and OSBL.</li> <li>Continue cable tray installation and cable pulls.</li> <li>Continue installation of roads, trenches and culverts.</li> <li>Continued aboveground pipe installation, testing, and restoration in ISBL and OSBL.</li> <li>Continue final flushes in preparation for cold cranks.</li> <li>Commence mechanical runs.</li> </ul>
Third Meter (CP13-2)	<ul style="list-style-type: none"> <li>Set all meters in place for I&amp;E fitting.</li> <li>Valves being fit for setting in place.</li> <li>Cleanup and mat removal on lateral.</li> <li>Tether pig launcher in place.</li> <li>Dressing out filter separators.</li> <li>Tying in 2" piping in the meter area.</li> </ul>	<ul style="list-style-type: none"> <li>Continue construction.</li> </ul>
Condensate Tank (CP13-2)	<ul style="list-style-type: none"> <li>Continue to construct condensate tank and associated facilities.</li> </ul>	<ul style="list-style-type: none"> <li>Continue construction.</li> </ul>

## 6. Permitting and Environmental

### Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

### Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

## 7. Photos



*Train 5 – Construction Progress for the Compressor Deck*



*Train 5 – Area Paving Progress*



*Train 5 – Area Paving and A02 Progress*



*Train 5 – Compressor Deck Alleyway Progress*

# **SABINE PASS LIQUEFACTION PROJECT**

Cameron Parish, Louisiana

Monthly Progress Report  
June 2018



## Table of Contents

1.	Executive Summary .....	1
2.	Project Highlights .....	1
3.	Environmental, Safety, and Health Progress .....	1
4.	Schedule .....	1
5.	Construction and Start up .....	2
6.	Permitting and Environmental .....	2
7.	Photos .....	3

## 1. Executive Summary

This progress report for the Sabine Pass Liquefaction projects covers June 2018 activities.

Stage 3 Engineering and Procurement are 100% complete. Subcontract work is 81.1% complete and direct hire Construction is 91.42% complete. Stage 3 overall project completion is now 95.1% complete against a target plan of 93.8%. Train 5 is projecting substantial completion by May 2019.

## 2. Project Highlights

Construction continues to progress piping installation, testing, area paving, conduit installation, cable pulling, terminations and completing punchlist items in all available areas of Train 5 and OSBL. Some highlights from the past month include mechanical runs of the ethylene compressors and first fire of the Thermal Oxidizer. Next month, mechanical runs will begin on the propane and methane compressors and the Hot Oil system will be turned over.

## 3. Environmental, Safety, and Health Progress

During the month of June, the following ES&H events occurred.

June 2018	Near Miss		First Aid		Recordable		Lost Time	
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	5	2734	18	3649	0	111	0	14
Subcontractor	0	116	3	233	0	9	0	1
Total	5	2850	21	3882	0	120	0	15

## 4. Schedule

Stage 3 Engineering and Procurement are 100% complete. Subcontract work is 81.1% complete and direct hire Construction is 91.42% complete. Stage 3 overall project completion is now 95.1% complete against a target plan of 93.8%. Train 5 is projecting substantial completion by May 2019.

## 5. Construction and Start up

Activities by Area		
Area	Activities in June	Planned Work for July
Stage 3 – Train 5 & Stage 3 ISBL and OSBL (CP13-552)	<ul style="list-style-type: none"> <li>Continue cable tray installation and cable pulls.</li> <li>Continue installation of roads, trenches and culverts.</li> <li>Continued turning over systems from construction to startup.</li> <li>Continued aboveground pipe installation, testing, and restoration in ISBL and OSBL.</li> <li>Continued pipe tie-ins to ethylene and methane cold boxes.</li> <li>Placed demineralized water system into service.</li> <li>Introduced fuel gas into Train 5</li> <li>Completed first fire of the Thermal Oxidizer.</li> </ul>	<ul style="list-style-type: none"> <li>Continued aboveground pipe installation, testing, and restoration in ISBL and OSBL.</li> <li>Continue cable tray installation and cable pulls.</li> <li>Continue installation of roads, trenches and culverts.</li> <li>Continue final flushes in preparation for cold cranks.</li> <li>Commence mechanical runs of the propane and methane compressors.</li> <li>Commence Regen Gas Compressor mineral lube oil flush.</li> <li>Commence Amine system chemical cleaning.</li> <li>Prepare Dehydration and Mercury Removal vessels for loading of internals.</li> <li>Complete and turnover the Hot Oil system.</li> </ul>
Third Meter (CP13-2)	<ul style="list-style-type: none"> <li>Completed field welding.</li> <li>Continue to place pipe.</li> <li>Continuing backfilling.</li> <li>Continuing E&amp;I installation.</li> </ul>	<ul style="list-style-type: none"> <li>Conduct hydrotest.</li> <li>Continue construction activities.</li> </ul>
Condensate Tank (CP13-2)	<ul style="list-style-type: none"> <li>Tank hydro-testing started.</li> <li>Pre-assembly of the tank and valve access platform steel for the base of the tank started.</li> </ul>	<ul style="list-style-type: none"> <li>Continue construction.</li> </ul>

## 6. Permitting and Environmental

### Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

### Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

## 7. Photos



*Train 5 – Feed Gas Heater turned over to Startup*



*Train 5 – Thermal Oxidizer turned over to Startup*



*OSBL – Wet Gas Flare Knock Out Drum turned over to Startup*



*OSBL – Flare Air Assist Compressor Cooling Fans turned over to Startup*

# **SABINE PASS LIQUEFACTION PROJECT**

Cameron Parish, Louisiana

Monthly Progress Report  
July 2018

## Table of Contents

1.	Executive Summary .....	1
2.	Project Highlights .....	1
3.	Environmental, Safety, and Health Progress .....	1
4.	Schedule .....	1
5.	Construction and Start up .....	2
6.	Permitting and Environmental .....	2
7.	Photos .....	3

## 1. Executive Summary

This progress report for the Sabine Pass Liquefaction projects covers July 2018 activities.

Stage 3 Engineering and Procurement are 100% complete. Subcontract work is 84.4% complete and direct hire Construction is 94.2% complete. Stage 3 overall project completion is now 96.4% complete against a target plan of 94.9%. Train 5 is projecting substantial completion in first quarter 2019.

## 2. Project Highlights

Construction continues to progress piping installation, testing, area paving, conduit installation, cable pulling, terminations and completing punchlist items within all available areas of Train 5 and OSBL. Some highlights from the past month include mechanical runs of the propane compressors and chemical flushing of the amine system. Next month, mechanical runs will begin on the methane compressors and the internals for the dehydration and mercury removal vessels will be loaded.

## 3. Environmental, Safety, and Health Progress

During the month of July, the following ES&H events occurred.

July 2018	Near Miss		First Aid		Recordable		Lost Time	
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	5	2735	21	3676	1	112	0	14
Subcontractor	0	116	1	235	0	9	0	1
Total	5	2851	22	3911	1	121	0	15

## 4. Schedule

Stage 3 Engineering and Procurement are 100% complete. Subcontract work is 84.4% complete and direct hire Construction is 94.2% complete. Stage 3 overall project completion is now 96.4% complete against a target plan of 94.9%. Train 5 is projecting substantial completion in first quarter 2019.



## 5. Construction and Start up

Activities by Area		
Area	Activities in July	Planned Work for August
Stage 3 – Train 5 & Stage 3 ISBL and OSBL (CP13-552)	<ul style="list-style-type: none"> <li>Continued area paving and road installation.</li> <li>Continued aboveground pipe installation, testing and restoration.</li> <li>Continued cable tray and conduit installation.</li> <li>Completed first fire and mechanical runs on 1411 and 1421.</li> <li>Commenced chemical flushing of the amine system.</li> <li>Commenced cold circulation of Therminol 55.</li> </ul>	<ul style="list-style-type: none"> <li>Continued area paving and road installation.</li> <li>Continued aboveground pipe installation, testing and restoration.</li> <li>Continued cable tray and conduit installation.</li> <li>Continue cold oil circulation and prepare to start hot oil circulation via the WHRU's.</li> <li>Commence mechanical runs of the methane compressors.</li> <li>Place dry flare in service.</li> <li>Prepare for startup of the ethylene compressors on nitrogen.</li> <li>Commence flushing of the inlet air humidification system.</li> </ul>
Third Meter (CP13-2)	<ul style="list-style-type: none"> <li>Conduct hydrotest.</li> <li>Complete tie-ins.</li> </ul>	<ul style="list-style-type: none"> <li>Commission meter.</li> </ul>
Condensate Tank (CP13-2)	<ul style="list-style-type: none"> <li>Placed the containment sump and started on the stair pads and landings.</li> <li>Erected the platform and tank access steel.</li> <li>Continued setting the piping in the rack.</li> <li>The hydro test water was drained from the tank and the interior was prepared for the painters/coaters.</li> </ul>	<ul style="list-style-type: none"> <li>Complete the concrete activities.</li> <li>Continue with the installation in the rack and in the new tank area and start structural supports and piping installation at the existing tank.</li> <li>Begin work on cable tray and the installation of panels/devices where available.</li> </ul>

## 6. Permitting and Environmental

### Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

### Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

## 7. Photos



*Train 5 – Compressor 1421 Post Mechanical Runs Complete*



*Train 5 – Alleyway Pipe Progress*



*Train 5 – Construction Progress in Dehydration & Mercury Removal Area*



*Train 5 – Paving works underway in Heavies Removal Area*

# **SABINE PASS LIQUEFACTION PROJECT**

Cameron Parish, Louisiana

Monthly Progress Report  
August 2018

## Table of Contents

1.	Executive Summary .....	1
2.	Project Highlights .....	1
3.	Environmental, Safety, and Health Progress .....	1
4.	Schedule .....	1
5.	Construction and Start up .....	2
6.	Permitting and Environmental .....	3
7.	Photos .....	4

## 1. Executive Summary

This progress report for the Sabine Pass Liquefaction projects covers August 2018 activities.

Stage 3 Engineering and Procurement are 100% complete. Subcontract work is 88.1% complete and direct hire Construction is 96.6% complete. Stage 3 overall project completion is now 97.6% complete against a target plan of 96.8%. Train 5 is projecting substantial completion in first quarter 2019.

## 2. Project Highlights

Construction continues to progress piping installation, testing, area paving, conduit installation, cable pulling, terminations and completing punchlist items within all available areas of Train 5 and OSBL. Some highlights from the past month include the completion of the piping tie-ins to the cold boxes, installation of the LNG transfer pumps, hot oil circulation in Unit 34 and the commissioning of the Fire and Gas system for the warm end. Next month, the introduction of Feed Gas into ISBL will commence.

## 3. Environmental, Safety, and Health Progress

During the month of August, the following safety events occurred.

	Near Miss				First Aid				Recordable	Lost Time	
	Month	ITD	Month	ITD	Month	ITD	Month	ITD			
Bechtel	6	2743	30	3711	0	112	0	14			
Subcontractor	0	116	1	235	0	9	0	1			
Total	6	2859	31	3946	0	121	0	15			

## 4. Schedule

Stage 3 Engineering and Procurement are 100% complete. Subcontract work is 88.1% complete and direct hire Construction is 96.6% complete. Stage 3 overall project completion is now 97.6% complete against a target plan of 96.8%. Train 5 is projecting substantial completion in first quarter 2019.

## 5. Construction and Start up

Activities by Area		
Area	Activities in August	Planned Work for September
Stage 3 – Train 5 & Stage 3 ISBL and OSBL (CP13-552)	<ul style="list-style-type: none"> <li>Continued area paving and road installation.</li> <li>Continued aboveground pipe installation, testing and restoration.</li> <li>Continued cable tray and conduit installation.</li> <li>Completed mechanical runs on compressors.</li> <li>Completed pipe tie-ins to ethylene and methane cold boxes.</li> <li>Completed chemical flushing of the amine system.</li> <li>Commenced flushing of the inlet air humidification system.</li> <li>Placed dry flare in service.</li> <li>Completed dry-out of LNG rundown and cooldown lines.</li> <li>Completed commissioning of Fire &amp; Gas system for warm end.</li> <li>Completed internals loading for the Dehydration and Mercury Removal vessels.</li> <li>Completed installation of LNG transfer pumps.</li> <li>Commenced hot oil circulation.</li> </ul>	<ul style="list-style-type: none"> <li>Continued area paving and road installation.</li> <li>Continued aboveground pipe installation, testing and restoration.</li> <li>Continued cable tray and conduit installation.</li> <li>Complete 24" and 54" tie-in works</li> <li>Introduce Feed Gas into ISBL.</li> <li>Place the second air assist compressor into service.</li> <li>Complete installation of heavy removals column reflux pumps.</li> </ul>
Third Meter (CP13-2)	<ul style="list-style-type: none"> <li>Commissioning facility.</li> </ul>	<ul style="list-style-type: none"> <li>Continue with punch list and commissioning activities for turnover.</li> </ul>
Condensate Tank (CP13-2)	<ul style="list-style-type: none"> <li>Began work on the eastern dike wall of the impoundment.</li> <li>Installed all the rack piping except for the spools to be finalized at the existing area tie-in.</li> <li>Mobilized, blasted and prepared the interior of the tank for coatings and began the interior work.</li> <li>Mobilized to site and began running conduit.</li> </ul>	<ul style="list-style-type: none"> <li>Complete hydrotest and start restoration.</li> <li>Begin firewater fabrication and installation.</li> <li>Complete painting the interior of the tank and move to the exterior of the tank.</li> <li>Start the installation of the cable tray.</li> </ul>

## 6. Permitting and Environmental

### Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

### Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			



## 7. Photos



*Train 5 – Propane Refrigeration Area Progress*



*Train 5 – Area Paving Progress*



*Train 5 – LNG Transfer Pump Installation*