

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

fax: 713.375.6000

RECEIVEDBy DOE/FE at 12:36 pm, Mar 31, 2016

March 31, 2016

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

DOE/FE Order Nos. 2833, 2961-A, 3306, 3307, 3384, 3442, 3595, 3669, and 3792

FE Docket Nos. 10-85-LNG, 10-111-LNG, 13-30-LNG, 13-42-LNG, 13-121-LNG, 14-92-LNG,

and 15-171-LNG

Dear Ms. Moore:

Pursuant to the above-referenced Orders, Sabine Pass Liquefaction, LLC ("Sabine Pass"), herein submits documents describing the progress of the Sabine Pass Liquefaction Project ("Project") for September 1, 2015, through February 29, 2016. Please refer to Table 1 below for a summary of activities and **Attachment A** for the Monthly Reports submitted to Federal Energy Regulatory Commission ("FERC") under FERC Docket Numbers CP11-72-000, CP13-2-000, CP13-552-000, and CP15-482-000 during the reporting period.

Sabine Pass Liquefaction Project				
Area	Report for Period: September 1, 2015, through February 29, 2016 Comments			
Liquefaction Stage 1 Area – Train 1	 Completed cool down LNG rundown and produced LNG. Commenced LNG loading of first cargo. 			
Liquefaction Stage 1 Area – Train 2	 Continued aboveground pipe installation and testing / air blow / restoration. Continued with final lube oil flushes for the compressors. Continued with loop checking. Continued with electrical and instrumentation installation. Commenced chemical cleaning of the amine piping system. Continued with insulation. Completed leak checks and commissioning of firewater systems. 			
Liquefaction Stage 2 Area – Train 3	 Continued aboveground pipe installation and testing / air blow / restoration. Continued cable pulls and conduit installation. Continued instrument and tubing installation. Commenced roofing of the compressor area. Continued compressor lube oil flushes. 			

Sabine Pass Liquefaction Project Construction Report for Period: September 1, 2015, through February 29, 2016						
Area	Comments					
Liquefaction Stage 2 Area – Train 4	 Continued aboveground pipe installation and testing / air blow / restoration. Continued cable pulls and conduit installation. Continued instrument and tubing installation. Continued erection of structural steel in the compressor and refrigeration areas. Completed setting of filter houses in the refrigeration areas. Commenced the setting of compressor GT Stacks and Waste Heat Recovery Units. 					
Liquefaction Stage 3 Area – Train 5	 Completed site preparation in Train 5 ISBL. Began preparations for underground pipe installation. 					
OSBL – Stage 1 & 2	 Continued with general punch-list work-off in Stage 1. Continued with AG Pipe testing / air blow / restoration in Stage 2. Continued to prepare for energization of the Utility Substation in Stage 2. 					
Support Buildings	 Completed Warehouse. Completed Maintenance Building. Completed RTFC Building. Completed Laydown Bottle Storage Area. 					
Access Roads, Waterline	 Water trucks were operated for dust control, as necessary. Completed Stage 1 Water Line Section Replacement. 					
Laydown, Staging Areas	No activities.					
Construction Dock (Ro-Ro)	Received and offloaded equipment at the construction dock.					
Revamp Area	 Completed both gas turbine E and F loop checks and commissioning thru load bank test. Achieved first fire of Gas Turbine Generator. 					
Condensate Tank and Send out	In service. Substantial Completion achieved January 22, 2016.					
East Meter Pipe	 Completed Crossing A-1. Completed 'B' Pipeline Crossing. Tie-in to Transco Pipeline is under development. 					

Please call me if you have any questions.

Sincerely,

/s/ Eryn Pullin

Eryn Pullin Sabine Pass Liquefaction, LLC

Sabine Pass Liquefaction, LLC DOE Semi-Annual Report

DOE/FE Order Nos. 2833, 2961-A, 3306, 3307, 3384, 3442, 3595, 3669, and 3792

FE Docket Nos. 10-85-LNG, 10-111-LNG, 13-30-LNG, 13-42-LNG, 13-121-LNG, 14-92-LNG, and 15-171-LNG

ATTACHMENT A

SABINE PASS LIQUEFACTION PROJECT

Cameron Parish, Louisiana

Monthly Progress Report September 2015

Table of Contents

1.0	Executive Summary	. 3
	Project Highlights	
	Environmental, Safety, and Health Progress	
	Schedule	
5.0	Construction	. 5
6.0	Permitting and Environmental	. 7
7.0	Progress Pictures	. 8

1.0 Executive Summary

This report covers activities of the Sabine Pass Liquefaction Project, Stages 1 - 3 that occurred during the month of September 2015.

Stage 1 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 82.2% and 91.5% complete, respectively. Stage 1 overall project completion is 95.2% against the plan of 97.5%.

Stage 2 Engineering is now 100% complete. Procurement is 98.9% complete. Subcontract and direct hire construction work are 50% and 40.4% complete, respectively. Overall project completion for Stage 2 is 73.6% against the plan of 79.6%.

Stage 3 baseline schedule is being prepared and progress reporting is expected to start October 2015. Soil stabilization work continued during the month.

During September, Train 1 continued to work on the aboveground pipe testing and restoration in compressors/refrigeration units and cold box areas. Work also continued on cable pulling/termination, and instrument/tubing to support loop test and system turnover to startup. The Stage 1 flare was commissioned on September 29, as fuel gas was introduced into the facility. At the end of September, approximately 86% of the Train 1 ISBL and OSBL construction systems had been turned over for startup/commissioning. Train 2 continued to work on aboveground pipe testing/restoration and electrical installation in all areas.

Train 3 continued to work on propane refrigeration, cryo pipe rack, and compressor area aboveground piping. All Train 3 pipe bridges have been installed, connecting Train 3 to the OSBL & Stage 1 pipe rack. Train 4 continued to work on cryo rack and compressor area aboveground piping. The propane chillers and ethylene surge drum were set during the month.

Actual project progress supports the achievement of substantial completion for Trains 1 and 2 by March 2016 and June 2016, respectively. Trains 3 and 4 targeted substantial completion dates are April 2017 and August 2017, respectively, with schedule recovery expected in the summer of 2016 as labor resource is transitioned from Stage 1 onto Stage 2.

2.0 Project Highlights

Stage 1 and Stage 2 engineering are complete. Procurement continues to support construction of Stage 1 and 2 activities at the jobsite. For Stage 3, procurement awarded major equipment, bulk materials, and pipe spool fabrication POs, plus vendor prints were received.

During the month of September, Subcontracts directed the following major subcontracts for Stage 1: field-erected tanks, onsite equipment insulation, piping insulation, fire and gas detection, and the supervision of the installation of refrigeration compressors. For Stage 2, Subcontracts supervised field-erected tanks, busing, permanent telecommunications, non-destructive examination (NDE), fire and gas detection, equipment insulation and the supervision of the installation of refrigeration compressors. For Stage 3, Subcontracts supervised soil improvement.

Train 1 construction concluded major mechanical activities on both ethylene compressor strings and began the function checks of major systems. Final turbine alignments and compressor coupling installations were started on the methane compressor strings. The torqueing of process piping to the propane compressors began, as did final punch list work on the lube oil system. Train 2 continued to flush bearings on the ethylene and methane compressors, and reinstated piping from the compressor lube oil flush. Preparation for dry gas seal installation began on the compressor string. In OSBL, commissioning work in water treatment area was completed and the

nitrogen package, air compressor and dryer units were placed in service. Lube oil flush on three out of five Stage 1 BOG compressors were completed.

Construction in Train 3 continued to install aboveground pipe in all available work fronts, with the focus on the cryo pipe rack, propane refrigeration and refrigeration compressor areas. Structural steel erection work continued in the table top and the propane refrigeration areas. In the compressor area, 3 filter houses were being set. In Train 4, work continued on aboveground piping installation in the compressor and cryo pipe rack areas. Train 4 table top steel erection was underway and chillers were set.

3.0 Environmental, Safety, and Health Progress

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

	Near Miss		Near Miss First Aid		Record	lable	Lost T	ime
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	24	580	88	1975	0	64	0	7
Subcontractor	4	49	14	129	0	7	0	1
Total	28	629	102	2104	0	71	0	8

4.0 Schedule

Overall, Train 1 and 2 project progress is 95.2% complete against a plan of 97.5%. Overall Train 3 and 4 project progress is 73.6% complete against a plan of 79.6%.

5.0 Construction

Area	Construction Activities in September	Planned Work for October
Liquefaction Stage 1 Area – Train 1	 Turned over hot oil. CSU Commissioned: fire water, air system, water system, and nitrogen system. Leak checked / commissioned inlet gas, flare, and fuel gas. Finished chemical cleaning on amine. Commenced loading perlite in the cold boxes. Continued mineral lube oil flushing on the compressors. Continued synthetic oil flushing on the compressors. Continued final alignment of the compressors. Continued insulation in all available areas. 	 Turn over Amine, Propane Refrigeration, Ethylene Refrigeration, Methane Liquefaction, LNG Storage, Unit 17, and Unit 18. Leak check / commission Hot Oil. Perform mechanical runs on all six compressors. Complete loading perlite in the cold boxes. Complete mineral lube oil flushing on the compressors. Complete synthetic oil flushing on the compressors. Complete final alignment of the compressors. Complete refrigeration compressors checking. Continue insulation in all available areas.
Liquefaction Stage 1 Area – Train 2	 Continued steel installation. Continued aboveground pipe installation. Continued aboveground pipe testing. Continued lube oil flushes for compressors. Started loop checking. Continued instrumentation installations. 	 Continue aboveground pipe testing and restoration. Continue lube oil flushes for compressors. Turn over the substation buildings and associated systems, electrical grounding, cathodic protection, and analyzer building system(s) to startup. Turn over Water and Air Systems, and Inlet Feed Gas System to startup.
Liquefaction Stage 2 Area – Train 3	 Continued conduit installation. Continued steel installation. Continued AG pipe installation. Continued filter house setting. Commenced high voltage power cable pulling. 	 Continue AG pipe installation. Continue instrument installation. Continue conduit installation. Commence setting of WHRU and stacks. Continue cable tray installation.
Liquefaction Stage 2 Area – Trains 4	 Continued conduit installation. Continued steel installation. Continued AG pipe installation. Set propane chiller. 	 Continue AG pipe installation. Continue instrument installation. Continue conduit installation. Continue cable tray installation. Set I.S. and H.S. propane / methane / ethylene feed chillers.

Area	Construction Activities in September	Planned Work for October
OSBL – Stage 1 & Stage 2	 Tuned EDI units and stabilized water treatment plant. Energized the water distribution piping. Continued conduit installation. 	 Turn over street lighting. Complete lube oil flushing and turn over BOG Compressors and associated piping. Continue AG pipe installation and pipe testing.
Support Buildings	 Warehouse – pre-cast erection completed; roof system installation being installed. Maintenance Building – electrical panel work was underway, painting was nearing completion. RTFC Building – window framing is complete and exterior painting is underway. Laydown Bottle Storage Area – piles have been driven, structural drawings are finalized. Further work has been deferred pending completion of Warehouse and Maintenance Buildings. 	Continue to support construction.
Access Roads, Waterline	 Water trucks were operated for dust control, as necessary. Pipe and material for completion lines has been delivered to site. Pipe strings being welded for directional drill. 	Continue dust control.
Laydown, Staging Areas	No activities.	No activities.
Construction Dock (Ro-Ro)	Received and offload equipment at the construction dock.	Continue to receive equipment.
Revamp Area	Completed mechanical installation of the gas turbine generators.	Complete AG pipe installation in all available areas.Complete lube oil flush on GTGs and loop checks.
Condensate (CP13-2-000)	No activities.	No activities.
Stage 3 (CP13-553-000)	Began site preparation activities.	Continue site preparation activities.

6.0 Permitting and Environmental

Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

7.0 Progress Pictures



Train 1 – Amine Regen and Acid Gas Removal Area (Installing I-Rings)



Train 1 – Fuel Gas Area (Turnover to Startup)



Train 2 – Propane Refrigeration Area (Setting Stacks)



OSBL Piperack Utilities and Flare Stack



Train 3 – Compressor Area (Assembling Filter House)



Train 3 – Propane Refrigeration Area



Train 4 – Propane Refrigeration Area



Train 4 – OSBL Thermal Oxidizer Area

SABINE PASS LIQUEFACTION PROJECT

Cameron Parish, Louisiana

Monthly Progress Report October 2015

Table of Contents

1.0	Executive Summary	.3
	Project Highlights	
3.0	Environmental, Safety, and Health Progress	. 4
4.0	Schedule	. 4
5.0	Construction	. 5
6.0	Permitting and Environmental	.8
7.0	Progress Pictures	.9

1.0 Executive Summary

This report covers activities of the Sabine Pass Liquefaction Project, Stages 1 - 3 that occurred during the month of October 2015.

Stage 1 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 84.1% and 93.5% complete, respectively. Stage 1 overall project completion is 96.1% against the plan of 98.2%.

Stage 2 Engineering is now 100% complete. Procurement is 99.4% complete. Subcontract and direct hire construction work are 50.4% and 48.5% complete, respectively. Overall project completion for Stage 2 is 76.7% against the plan of 81.8%.

Stage 3 baseline schedule is being finalized and progress reporting will start in November 2015. Soil stabilization work continued during the month.

During October, Train 1 continued to work on the aboveground pipe testing and restoration in compressors/refrigeration units and cold box areas. Work also continued on cable pulling/termination, and instrument/tubing to support loop test and system turnover to startup. Also, the fuel gas system was commissioned. Train 2 continued to work on aboveground pipe testing/restoration and electrical installation in all areas. The BOG compressors were turned over to startup. Amine was loaded into the OSBL storage tank and refrigerant was loaded into the OSBL refrigerant storage drum.

Train 3 continued to work on aboveground pipe in propane refrigeration, cryo pipe rack, and compressor areas. Train 3 also started setting the Waste Heat Recovery Units and GT stacks. Train 4 continued to work on cryo rack and compressor area aboveground piping.

Actual project progress supports the achievement of substantial completion for Trains 1 and 2 by March 2016 and June 2016, respectively. Trains 3 and 4 targeted substantial completion dates are April 2017 and August 2017, respectively, with schedule recovery expected in the summer of 2016 as labor resource is transitioned from Stage 1 onto Stage 2.

2.0 Project Highlights

Stage 1 and Stage 2 engineering are complete. Procurement continues to support construction of Stage 1 and 2 activities at the jobsite. For Stage 3, procurement continues to award major equipment, bulk materials, and pipe spool fabrication POs, and receive vendor prints.

During the month of October, Subcontracts directed the following major subcontracts for Stage 1: onsite equipment insulation, piping insulation, fire and gas detection, and erection/supervision of the installation of the refrigeration compressors. For Stage 2, Subcontracts supervised field-erected tanks, busing, permanent telecommunications, non-destructive examination (NDE), fire and gas detection, equipment insulation and the supervision of the installation of refrigeration compressors. For Stage 3, Subcontracts supervised soil improvement.

Train 1 construction completed the false fire and first fire on one ethylene compressor and completed function checks and the false fire on the other ethylene compressor. The installation of the torque meter and filters was completed on the methane compressors. The final lube oil flushes began on the methane compressors. Torque meter installations on the propane compressors are complete. The lube oil flushes have begun on the propane compressors. Smoke tests were completed on both ethylene compressor enclosures, as well as the final CO2 discharge test on the second ethylene compressor. Train 1 completed loading of oil for the hot oil system and commenced cold circulation while starting up thermal oxidizer to dry out refractory

and prepare for hot oil circulation. In OSBL, the flare was lit and refrigerant loaded into the refrigerant storage drums. The fuel gas system has been commissioned in preparation to support compressor first fire. The BOG compressors have been turned over to startup for commissioning.

Construction in Train 3 continued to install aboveground pipe in all available work fronts, with the focus on the cryo pipe rack, propane refrigeration and refrigeration compressor areas. Structural steel erection work continued in the table top and the propane refrigeration areas. Pulling of the Train 3 high voltage cables for the propane condenser and compressor substations was inprogress. In the compressor area, setting of the Waste Heat Recovery Units commenced. In Train 4, work continued on aboveground piping installation in the compressor, cryo pipe rack, and propane refrigeration areas. Train 4 table top steel erection is underway. In the OSBL, work continued on the thermal oxidizers and the utility substation. In Revamp, the mechanical, piping, and electrical work on the gas turbine generators continued in preparation for the commissioning of the units by the end of the year.

3.0 Environmental, Safety, and Health Progress

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

Octobor 2015	Near	Miss	First	t Aid	Record	lable	Lost T	ime
October 2015	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	16	596	63	2038	5	69	0	7
Subcontractor	2	51	8	137	0	7	0	1
Total	18	647	71	2175	5	76	0	8

One of the Recordable incidents experienced during the month resulted in fatal injuries.

4.0 Schedule

Overall, Train 1 and 2 project progress is 96.1% complete against a plan of 98.2%. Overall Train 3 and 4 project progress is 76.7% complete against a plan of 81.8%.

5.0 Construction

Area	Construction Activities in October	Planned Work for November
Liquefaction Stage 1 Area – Train 1	 Completed loading perlite in the cold boxes. Continued steel erection punch-list work-off. Continued pipe testing in accordance with precommissioning/startup prioritization. Continued cable pulls and conduit and instruments installation. Continued Mark VI function checks/final mineral lube oil flushing on the compressors. Continued synthetic oil flushing and final alignment on the compressors. Continued compressor coupling installation. Started cold crank of ethylene compressors. Finished loading media/packing in the molecular sieves dehydrators and the mercury removal beds. Continued direct and vendor loop checking. Continued motor runs and motor bumps. Continued insulation. Turned over amine. Leak checked/commissioned hot oil. Commenced cold oil circulation. Lit the flare. Commenced first fire thermal oxidizer and dry out of refractory. Commenced loading refrigerant storage. Received first fuel gas. 	 Turn over ethylene refrigeration, methane liquefaction, LNG storage, heavies removal, condensate stabilization, and street lighting. Perform mechanical runs on all six compressors. Continue Mark VI function checks/final mineral lube oil flushing on the compressors post mechanical runs. Start the compressor on nitrogen to dry out the dehydration section and commence hot oil circulation. Steel erection punch-list work-off will continue. AG pipe punch-list work-off will continue Complete pipe testing in accordance with precommissioning/startup prioritization. Complete cable pulls and conduit installation. Complete direct and vendor loop checking. Complete GE Mark VI loop checking. Complete motor runs and motor bumps. Continue insulation. Complete the commissioning of fuel gas systems. Complete loading refrigerant storage. Function/leak check wet/dry gas treatment. Commence hot oil circulation via thermal oxidizer. Bring FEED gas into acid gas removal unit and dehydration section to begin drying the mole sieves.

Area	Construction Activities in October	Planned Work for November
Liquefaction Stage 1 Area – Train 2	 Continued AG pipe installation. Continued AG pipe testing and restoration. Continued lube oil flushes for compressors. Continued loop checking and commenced GE Mark VI loop checking. Continued electrical and instruments installations. Continued steel erection punch-list work-off. Turned over the propane substation building and associated systems and water systems to startup. 	 Continue steel erection punch-list work-off. Continue AG pipe installation. Continue AG pipe testing and restoration. Continue lube oil flushes for compressors. Continue GE Mark VI loop and PLC/SIS loop checking. Continue electrical installations and instruments. Turn over the compressor substation building and associated systems, electrical grounding, cathodic protection, and analyzer building, inlet feed gas system, propane refrigerant condensers, firewater system, and air system(s) to startup.
Liquefaction Stage 2 Area – Train 3	 Continued AG pipe installation in all available areas. Continued cable pulls and conduit installation. Continued cable tray installation in all available areas. Continued instrument installation in all available areas. 	 Continue AG pipe installation. Set the WHRUs and stacks in compressor area. Complete setting of filter houses in compressor areas. Continue cable pulls and conduit installation. Continue cable tray installation. Continue instrument installation.
Liquefaction Stage 2 Area – Trains 4	 Set the dryer feed KO drum in dehydration and mercury removal area. Installed I.S. and H.S. propane/methane/ethylene feed chillers. Continued cable pulls and conduit installation. Continued cable tray installation in all available areas. Continued instrument installation. 	 Continue AG pipe installation. Install the ethylene and methane cold boxes. Begin setting filter houses in the compressor area. Continue cable pulls and conduit installation. Continue cable tray installation. Continue instrument installation.
OSBL – Stage 1 & Stage 2	 Turned over street lighting. Completed lube oil flushing and turned over 3 of the 5 BOG compressors and associated piping. Continued AG pipe installation and pipe testing. 	 Turn over the last 2 BOG compressors to CSU. Continue AG pipe installation and pipe testing.

Area	Construction Activities in October	Planned Work for November				
Support Buildings	 Warehouse – building dry-in completed, roof system installation 90% completed. Maintenance Building – building was energized with full electrical power in October. RTFC Building – fire sprinkler install completed, interior painting is in-progress. Laydown Bottle Storage Area – slabs were poured and finishing work is in-progress. 	Continue to support construction.				
Access Roads, Waterline	 Water trucks were operated for dust control, as necessary. Completed the 24 inch and 12 inch pipe directional drill under Heavy Haul Road. 	Continue dust control.				
Laydown, Staging Areas	No activities.	No activities.				
Construction Dock (Ro-Ro)	Received and offload equipment at the construction dock.	Continue to receive equipment.				
Revamp Area	 Continued AG pipe installation in all available areas. Completed lube oil flush on GTGs and commenced loop checks. 	 Complete AG pipe installation in all available areas. Complete gas turbine generator system loop checks. 				
Condensate (CP13-2-000)	No activities.	No activities.				
Stage 3 (CP13-553-000)	Began site preparation activities.	Continue site preparation activities.				
East Meter Pipe (CP15-482-000)	No activities.	Limited Notice to Proceed issued to Contractor on November 2, 2015 to begin site preparation.				

6.0 Permitting and Environmental

Summary of Problems, Non-Compliances, and Corrective Actions

Date	Descript	ion	
None.			

Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

7.0 Progress Pictures



Train 1 – OSBL Lighting of Flare



Train 1 – Asphalt Paving in Amine Regen and Acid Gas Removal Area



Train 2 - Setting Stacks in the Propane Refrigeration Area



OSBL BOG Compressors



Train 3 – Cable Tray and Cable going into the Compressor Substation



Train 3 – Erecting Structural Steel in the Ethylene Cold Box Area



Train 4 – Erecting Structural Steel in Propane Refrigeration Area



OSBL Pulling High Voltage Cable in the Utility Substation Area

SABINE PASS LIQUEFACTION PROJECT

Cameron Parish, Louisiana

Monthly Progress Report November 2015

Table of Contents

1.0	Executive Summary	. 3
	Project Highlights	
	Environmental, Safety, and Health Progress	
	Schedule	
5.0	Construction	. 5
6.0	Permitting and Environmental	. 8
7.0	Progress Pictures	. 9

1.0 Executive Summary

This report covers activities of the Sabine Pass Liquefaction Project, Stages 1 - 3 that occurred during the month of November 2015.

Stage 1 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 85.9% and 95.2% complete, respectively. Stage 1 overall project completion is 96.9% against the plan of 98.7%.

Stage 2 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 51.2% and 51.5% complete, respectively. Overall project completion for Stage 2 is 78.2% against the plan of 83.3%.

Stage 3 Engineering is now 33.5% complete. Procurement is now 18% complete. Subcontract work is 11.6% complete, respectively. Stage 3 overall project completion is 12.6% against the plan of 12.7%.

During November, Train 1 completed mechanical runs on all six compressors and commenced piping restoration. Startup completed leak checks on the Amine and Wet/Dry Gas treatment systems. The Ethylene Compressor piping system leak check was underway in preparation to run the Ethylene Compressors on nitrogen to heat up the Waste Heat Recovery units and commence the dry out process for the system. Insulation of flanges and valves post system leak checks was underway.

Train 2 continued work on aboveground pipe testing/restoration and electrical installation in all areas to support system turnover. Potable water tie-ins were completed in OSBL for Water Treatment.

Train 3 continued to work on the installation of aboveground piping in the propane refrigeration, cryo pipe rack, and compressor areas. Also, work continued on setting the Waste Heat Recovery Units and gas turbine stacks. Train 4 continued to work on aboveground piping in cryo rack, compressor, and propane refrigeration areas.

Train 5 continued to work on soil improvement and the piling subcontract was awarded.

Actual project progress supports the achievement of substantial completion for Trains 1 and 2 by March 2016 and June 2016, respectively. Trains 3 and 4 targeted substantial completion dates are April 2017 and August 2017, respectively, with schedule recovery expected in the summer of 2016 as labor resource is transitioned from Stage 1 onto Stage 2.

2.0 Project Highlights

Stages 1 and 2 engineering and procurement are complete. Engineering and Procurement continue to support Stages 1 and 2 construction activities at the jobsite. The last major equipment- Train 4 cold boxes- was delivered to the site. For Stage 3, procurement continues to award major equipment, bulk materials, and pipe spool fabrication POs and receive vendor prints.

During the month of November, Subcontracts directed the following major subcontracts for Stage 1: onsite equipment insulation, piping insulation, fire and gas detection, and erection/supervision of the installation of the refrigeration compressors. For Stage 2, Subcontracts supervised field-erected tanks, busing, permanent telecommunications, non-destructive examination (NDE), fire and gas detection, equipment insulation and the supervision of the installation of refrigeration compressors. For Stage 3, Subcontracts supervised the soil improvement subcontract.

The construction group completed mechanical runs on the propane, ethylene, and methane compressors in Train 1. Propane and methane piping system restoration started. The Startup group completed high pressure nitrogen leak checks for amine and wet / dry gas treatment system and commenced leak check on the ethylene compressor piping systems. Train 2 continued with piping installation and piping pressure testing in all areas with focus on compressor, propane refrigeration and cold box areas. Train 2 completed the lube oil flush of the second ethylene compressor and the first methane compressors. Flushes are underway on both the second methane compressor and the first propane compressor. All dry gas seals have been installed on the first ethylene compressor and installation is underway on both the second ethylene and the first methane compressors. In OSBL, Startup has started up the thermal oxidizer and commenced hot oil circulation. Amine and propane refrigerants have been loaded into their storage vessels.

Construction in Train 3 continued to work on aboveground pipe installation in the cryo pipe rack, propane refrigeration, and refrigeration compressor areas. Structural steel erection continued with a focus on the Train 3 table top and the propane refrigeration areas. Pulling of Train 3 high voltage cable was completed. In Train 3 compressor area, setting of the waste heat recovery units and gas turbine stacks was underway. Train 4, continued to work on aboveground piping installation in the refrigeration compressor, propane refrigeration, and cryo pipe rack areas. Setting of the Train 4 compressor filter houses commenced. In the OSBL, work continued on the thermal oxidizers and the utility substation.

3.0 Environmental, Safety, and Health Progress

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

	Near	Miss	First	t Aid	Record	lable	Lost T	ime
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	16	612	56	2094	0	69	0	7
Subcontractor	0	51	5	142	0	7	0	1
Total	16	663	61	2236	0	76	0	8

4.0 Schedule

Overall, Train 1 and 2 project progress is 96.9% complete against a plan of 98.7%. Overall Train 3 and 4 project progress is 78.2% complete against a plan of 83.3%. Train 5 project progress is 12.6% complete against a plan of 12.7%.

5.0 Construction

Area	Construction Activities in November	Planned Work for December			
Liquefaction Stage 1 Area – Train 1	 Turned over LNG Storage, Heavies Removal, and Condensate Stabilization to Commissioning and Startup (CSU) team. Performed mechanical runs on the ethylene, methane compressors and one propane compressor. Completed final mineral lube oil flushing on the compressors. Continued pipe testing and restoration in accordance with pre-commissioning/startup prioritization. Continued insulation in all available areas. Completed loading propane refrigerant to storage drums. Completed function checks on available units. Completed high pressure N2 leak checks on available units. Commenced hot oil circulation via thermal oxidizer. 	 Liquefaction, Propane Refrigeration and Train 1 ISBL Lighting to CSU. Startup ethylene compressors on nitrogen to commence system dry out. Complete Amine/Anti-foam circulation. Commence commissioning of Regen Gas Compressor. Complete all remaining punch list items to support RFSU. 			
Liquefaction Stage 1 Area – Train 2	 Continued pipe installation and testing. Continued lube oil flushes for refrigeration compressors. Continued direct & vendor loop checking. Continued electrical installations. Continued instrumentation installations. Turned over the Analyzer Buildings, Cathodic Protection, and Air System(s) to CSU. 	 Continue pipe testing, air blows, and restoration. Complete lube oil flushes for refrigeration compressors. Commence installation of refrigeration compressor gas generators. Continue instrumentation installation in all available areas. 			
Liquefaction Stage 2 Area – Train 3	 Continued pipe installation and testing. Continued cable pulls and conduit installation. Continued instrument installation. Installed upper and lower waste heat recovery unit and installed ethylene compressor stacks. Continued installation of filter houses in refrigeration compressor area. 	 Continue pipe installation. Continue cable pulls and conduit installation. Continue instrument installation. Complete setting of waste heat recovery unit and stacks in compressor area. Complete the installation of filter houses in compressor area. 			

Area	Construction Activities in November	Planned Work for December
Liquefaction Stage 2 Area – Train 4	 Continued pipe installation and testing. Continued cable pulls and conduit installation. Continued instrument installation. Set in place the ethylene and methane cold boxes. Started setting filter houses in refrigeration compressor area. 	 Continue pipe installation. Continue cable pulls and conduit installation. Continue instrument installation. Continue setting filter houses in compressor area.
OSBL – Stage 1	 Turned over the last 2 BOG Compressors to CSU. Completed loading propane refrigerant to storage drums. Completed function checks on available units. Completed high pressure N2 leak checks on available units. Commenced hot oil circulation via thermal oxidizer. 	 Load ethylene refrigerant to storage drum. Continue pipe installation and pipe testing in Stage 2.
Support Buildings	 Warehouse – underground utilities were installed; fire sprinkler system installation is on-going. Maintenance Building – fire alarm system was installed; utility tie-ins to Control Building network were completed. RTFC Building – permanent power was connected and building was energized. Laydown Bottle Storage Area – finishing work was underway. Substantial completion is expected in December 2015. 	Continue to support construction.
Access Roads, Waterline	 Water trucks were operated for dust control, as necessary. Received 12" and 24" fittings from the coatings supplier. Received materials for the pressure release assemblies. 	Continue dust control.
Laydown, Staging Areas	No activities.	No activities.
Construction Dock (Ro-Ro)	Received and offload equipment at the construction dock.	Continue to receive equipment.
Revamp Area	Achieved first fire of Gas Turbine Generator.	 Complete AG pipe installation in all available areas. Complete gas turbine generator system loop checks.

Area	Construction Activities in November	Planned Work for December
Condensate (CP13-2-000)	Punch list being reviewed by SPL.	Continue to review punch list.
Stage 3 (CP13-552-000)	Continued site preparation activities.	Bechtel Civil activities will commence in Train 5.Construction of the heavy haul road will commence.
East Meter Pipe (CP15-482-000)	 Full Notice to Proceed issued to Contractor on November 17, 2015. Began pipe welding. 	Continue pipe welding.

6.0 Permitting and Environmental

Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

7.0 Progress Pictures



Train 1 – Asphalt Paving in Amine Regen and Acid Gas Removal Area



Train 1 – Looking down 1st Ave



Train 2 – Installing Pipe in Propane Refrigeration



Train 2 - Propane Substation Building



Train 3 – Amine Regen and Acid Gas Removal



Train 3 – Amine Storage



Train 4 – Heavies Removal



OSBL – Flare Knockout Drum



Stage 3 - Soil Stabilization

SABINE PASS LIQUEFACTION PROJECT

Cameron Parish, Louisiana

Monthly Progress Report
December 2015

Table of Contents

1.0	Executive Summary	.3
	Project Highlights	
3.0	Environmental, Safety, and Health Progress	. 4
4.0	Schedule	. 4
5.0	Construction	. 5
6.0	Permitting and Environmental	.8
7.0	Progress Pictures	.9

1.0 Executive Summary

This report covers activities of the Sabine Pass Liquefaction Project, Stages 1 – 3 that occurred during the month of December 2015.

Stage 1 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 87.1% and 96.2% complete, respectively. Stage 1 overall project completion is 97.4% against the plan of 99.2%.

Stage 2 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 51.8% and 55.3% complete, respectively. Overall project completion for Stage 2 is 79.5% against the plan of 85.7%.

Stage 3 Engineering is now 41.9% complete. Procurement is now 20.5% complete. Subcontract and direct hire work are 15% and 0.1%complete, respectively. Stage 3 overall project completion is 14.9% against the plan of 14.5%.

During December, Train 1 completed piping restoration on all six compressors. The ethylene compressors were run on nitrogen to heat up the waste heat recovery unit to commence system dry out process. Insulation on flanges and valves is in progress to support RFSU in January. Train 2 continued to work on above ground piping testing / restoration and electrical installation in all areas to support system turnover.

Train 3 continued to work on the installation of aboveground piping in the propane refrigeration, cryo pipe rack, and compressor areas. Also, the waste heat recovery units and GT stacks were set. Train 4 continued to work on the installation of aboveground piping in cryo rack, compressor, and propane refrigeration areas. Also, work continued to set the compressor filter houses.

Train 5 continued to work on soil improvement and piles were delivered to the site.

Actual project progress supports the achievement of substantial completion for Trains 1 and 2 by May 2016 and August 2016, respectively. Trains 3 and 4 targeted substantial completion dates are April 2017 and August 2017, respectively, with schedule recovery expected in the summer of 2016 as labor resource is transitioned from Stage 1 onto Stage 2.

2.0 Project Highlights

Stages 1 and 2 engineering and procurement are complete. Engineering and Procurement continue to support Stages 1 and 2 construction activities at the jobsite. For Stage 3, procurement continues to award major equipment and bulk materials, and receive vendor prints.

During the month of December, Subcontracts directed the following major subcontracts for Stage 1: onsite equipment insulation, piping insulation, fire and gas detection, and erection/supervision of the installation of the refrigeration compressors. For Stage 2, Subcontracts supervised field-erected tanks, busing, permanent telecommunications, non-destructive examination (NDE), fire and gas detection, equipment insulation and the supervision of the installation of refrigeration compressors. For Stage 3, Subcontracts directed the soil improvement and piling subcontracts.

Construction completed restoration of the propane, ethylene, and methane compressors piping systems. Startup has commissioned the regen gas compressor and all of the propane, ethylene, and methane compressors. Insulation on valves and flanges post system leak checks is in progress. Train 2 continued with piping installation and piping pressure testing, air blow, and restoration in all areas. Train 2 lube oil flushes are in progress on both the second methane

compressor and the first propane compressor. Ethylene refrigerant inventory is completed, as well as circulation of amine / anti-foam.

Stage 2 construction, specifically in Train 3, continued with aboveground pipe installation in all available workfronts. Main areas of focus for piping installation include the cryo pipe rack, propane refrigeration, and refrigeration compressor areas. Structural steel erection continued with a focus on the Train 3 table top and the propane refrigeration areas. Train 4 above ground piping installation continued in all available workfronts. In the OSBL, work continued on the thermal oxidizers and the utility substation. In Revamp, work for the gas turbine generators including commissioning is now substantially complete. Both GTG units E and F have been completed and turned over to Cheniere.

3.0 Environmental, Safety, and Health Progress

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

	Near	Miss	First	t Aid	Record	lable	Lost T	ime
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	13	625	63	2157	1	70	1	8
Subcontractor	1	52	6	148	0	7	0	1
Total	14	677	69	2305	1	77	1	9

4.0 Schedule

Overall, Train 1 and 2 project progress is 97.4% complete against a plan of 99.2%. Overall Train 3 and 4 project progress is 79.5% complete against a plan of 85.7%. Train 5 project progress is 14.9% complete against a plan of 14.5%.

5.0 Construction

Area	Construction Activities in December	Planned Work for January
Liquefaction Stage 1 Area – Train 1	 Completed mechanical runs on the last propane compressor. Completed steel punch-list work-off. Completed pipe testing/air blow/restoration. Completed instrumentation installation, cable pulls and terminations. Continued insulation. Completed remaining area paving and asphalt paving. Completed operating pressure leak checks. Completed amine/anti-foam circulation. Completed commissioning activities on regen compressor. Completed function/interlock checks. Pressurized defrost header/commenced defrost of T1. 	 Turn over the remaining systems in methane liquefaction, propane refrigeration, and ISBL lighting. Complete defrost activities. Commence cool down of LNG rundown lines. Complete insulation in all available areas including valves and flanges post leak checks.
Liquefaction Stage 1 Area – Train 2	 Continued steel erection punch-list work-off. Continued AG Pipe installation. Continued AG Pipe testing/air blow/restoration. Continued lube oil flushes for compressors. Continued direct and vendor loop checking. Continued GE Mark VI loop checking. Continued electrical and instrumentation installations. Turned over the electrical grounding, H2S removal packages, and inlet feed gas systems. 	 Continue steel erection punch-list work-off. Continue AG Pipe installation. Continue AG Pipe testing. Complete lube oil flushes for compressors. Continue direct and vendor loop checking. Continue GE Mark VI loop checking. Continue electrical installations. Continue instrumentation installations. Continue insulation. Turn over the firewater system and fuel gas systems.

Area	Construction Activities in December	Planned Work for January
Liquefaction Stage 2 Area – Train 3	 Continued pipe installation and testing / air blow / restoration. Continued cable pulls and conduit installation. Continued instrument and tubing installation. Completed setting of waste heat recovery unit and stacks in compressor area. Continued steel erection in compressor and refrigeration area and punch-list work-off in all available areas. Continued installation of filter houses in refrigeration area and punch-list work-off. 	 Complete the installation of filter houses in compressor area. Commence roofing siding at the compressor area.
Liquefaction Stage 2 Area – Train 4	 Continued pipe installation and testing / air blow / restoration. Continued cable pulls and conduit installation. Continued instrument and tubing installation. Continued steel erection in compressor and refrigeration area and punch-list work-off. Continued setting filter houses in refrigeration compressor area. 	 Continue pipe installation. Continue cable pulls and conduit installation. Continue instrument and tubing installation. Continue steel erection in compressor and refrigeration area and punch-list work-off. Continue setting filter houses in compressor area.
OSBL – Stage 1 & Stage 2	 Completed delivery of ethylene refrigerant to storage vessels. Started ethylene compressors on nitrogen. Continued with pipe installation and pipe testing / air blow / restoration. 	Continue remaining pipe installation and pipe testing / air blow / restoration.
Support Buildings	 Warehouse – fire sprinkler installed. Maintenance Building – elevator installed. RTFC Building – fire and potable water tie-ins completed. Laydown Bottle Storage Area – Substantial Completion accepted December 2, 2015. 	 Continue to support construction. Substantial Completion for warehouse, maintenance building, and RTFC building expected January 2016.
Access Roads, Waterline	 Water trucks were operated for dust control, as necessary. Completed fabrication of open cut section and backfill of 24" pipe. Completed fabrication of open cut section and began backfill of 12" pipe. 	Continue dust control.

Area	Construction Activities in December	Planned Work for January
Laydown, Staging Areas	No activities.	No activities.
Construction Dock (Ro-Ro)	Received and offload equipment at the construction dock.	Continue to receive equipment.
Revamp Area	Completed both gas turbine E and F loop checks and commissioning thru load bank test.	 Complete pipe installation and continue with pipe testing / air blow / restoration. Commence commissioning and loop checks of water treatment equipment.
Condensate (CP13-2-000)	Punch list being reviewed by SPL.	Continue to review punch list.Commissioning.
Stage 3 (CP13-552-000)	Commenced site preparation in T5 ISBL.Continued heavy haul road construction.	Complete site preparation in T5 ISBL.
East Meter Pipe (CP15-482-000)	Stringing and welding of pipe was underway.Drilling equipment and crews were mobilized to site.	Continue pipe welding.

6.0 Permitting and Environmental

Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
FERC	Steven Kusy & Andrew Kohout	12/9/15 – 12/10/15	Construction Inspection

7.0 Progress Pictures



Train 1 – Looking down 1st Ave; Purple Turnover Fences are Installed



Train 2 – Pipe Installation in Propane Refrigeration Area



Train 3 – Dryer Feed KO Drum and Dryer Inlet Filter Coalescer



Train 3 – Installing Pipe in Propane Refrigeration Area



Train 4 – Propane Condenser Area



OSBL – Knockout Drums



OSBL - Instrument Plant Air



OSBL – Utility Waste Water and Solvent Area



Stage 3 – Preparing Equipment for Piling



Stage 3 – Soil Stabilization Rough Grading in Train 5 area.

SABINE PASS LIQUEFACTION PROJECT

Cameron Parish, Louisiana

Monthly Progress Report January 2016

Table of Contents

1.0	Executive Summary	. 3
	Project Highlights	
	Environmental, Safety, and Health Progress	
	Schedule	
5.0	Construction	. 5
6.0	Permitting and Environmental	. 8
7.0	Progress Pictures	. 9

1.0 Executive Summary

This report covers activities of the Sabine Pass Liquefaction Project, Stages 1 – 3 that occurred during the month of January 2016.

Stage 1 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 87.6% and 96.8% complete, respectively. Stage 1 overall project completion is 97.6% against the plan of 99.3%.

Stage 2 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 52.7% and 58.4% complete, respectively. Overall project completion for Stage 2 is 80.7% against the plan of 87.3%.

Stage 3 Engineering is now 47.4% complete. Procurement is now 32.2% complete. Subcontract and direct hire work are 19.5% and 0.3%complete, respectively. Stage 3 overall project completion is 21.3% against the plan of 16.3%.

During January, the cool down of Train 1 took place. Instrumentation issues were discovered during commissioning that delayed first LNG production, which was later achieved in mid-February, subsequent to this reporting period.

Train 2 continued to work on above ground piping testing / restoration and electrical installation in all areas to support system turnover. Train 3 continued to work on the installation of aboveground piping in the propane refrigeration, cryo pipe rack, and compressor areas. Also, the waste heat recovery units and GT stacks were set. Train 4 continued to work on the installation of aboveground piping in cryo rack, compressor, and propane refrigeration areas. Also, work continued to set the compressor filter houses. Units E and F of the gas turbine generators were turned over. These units will now be operational along with the four existing units (A to D).

Train 5 construction has been completed for ISBL site preparation. Piling of the ISBL began on January 4th.

Actual project progress supports the achievement of substantial completion for Trains 1 and 2 by late April/May 2016 and August 2016, respectively. Trains 3 and 4 targeted substantial completion dates are April 2017 and August 2017, respectively, with schedule recovery expected in the summer of 2016 as labor resource is transitioned from Stage 1 onto Stage 2.

2.0 Project Highlights

Stages 1 and 2 engineering and procurement are complete. Engineering and Procurement continue to support Stages 1 and 2 construction activities at the jobsite. For Stage 3, engineering continued issuing drawings for ISBL foundations and structural steel and issued all AG and UG ISBL isos. Procurement continues to award major equipment and bulk materials. Fabrication is underway for mechanical equipment, steel and pipe, and receipt of vendor prints continue.

During the month of January, subcontracts directed the following major subcontracts for Stage 1: onsite equipment insulation, piping insulation, fire and gas detection, fireproofing and erection/supervision of the installation of the refrigeration compressors. For Stage 2, subcontracts supervised field-erected tanks, busing, permanent telecommunications, non-destructive examination (NDE), fire and gas detection, equipment insulation and the supervision of the installation of refrigeration compressors. For Stage 3, subcontracts directed the soil improvement and piling subcontracts.

Construction turned over all the Train 1 systems to Startup and completed insulation of valves and flanges. Startup completed the dry out process and commenced the cool down. Train 2 continued with piping installation and pipe pressure testing, air blow, and restoration in all areas. Train 2 compressor lube oil flush is completed for the second methane compressor and underway for the first propane compressor.

Stage 2 construction, specifically in Train 3, continued with aboveground pipe installation in all available work fronts. Main areas of focus for piping installation include the cryo pipe rack, propane refrigeration, and refrigeration compressor areas. Structural steel erection is nearing completion with a minimal amount of steel erection remaining. Train 4 above ground piping installation continued in all available work fronts. In the OSBL, work continued on the thermal oxidizers and the utility substation.

Stage 3 construction began with site preparation activities in the ISBL, these activities completed in January. Preparations are underway for the start of underground pipe installation.

3.0 Environmental, Safety, and Health Progress

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

	Near	Miss	First	t Aid	Record	lable	Lost T	ime
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	15	649	64	2223	3	72	1	10
Subcontractor	0	50	4	148	0	7	0	1
Total	15	699	68	2371	3	79	1	11

4.0 Schedule

Overall, Train 1 and 2 project progress is 97.6% complete against a plan of 99.3%. Overall Train 3 and 4 project progress is 80.7% complete against a plan of 87.3%. Train 5 project progress is 21.3% complete against a plan of 16.3%.

5.0 Construction

Area	Construction Activities in January	Planned Work for February
Liquefaction Stage 1 Area – Train 1	 Turned over all systems to CSU. Completed insulation in all available areas including valves and flanges post leak checks. Continued with general punch-list work-off. Removed perlite from cold boxes and repaired thermocouple cable. 	 Complete defrost activities. Commence cool down LNG rundown and make 1st LNG.
Liquefaction Stage 1 Area – Train 2	 Continued steel erection punch-list work-off. Continued AG Pipe installation and testing / air blow / restoration. Continued lube oil flushes for compressors. Continued loop checking. Continued electrical and instruments installations. Continued insulation. Turned over the thermal oxidizer and remaining fuel gas systems to CSU. 	 Continue steel erection punch-list work-off. Continue AG Pipe testing / air blow / restoration. Complete lube oil flushes for compressors. Continue loop checking. Continue electrical and instrumentation installations. Continue insulation. Turn over the wet and dry flare and hot oil to CSU. Commence chemical cleaning amine piping system.
Liquefaction Stage 2 Area – Train 3	 Continued pipe installation and testing / air blow / restoration. Continued cable pulls and conduit installation. Continued instrument and tubing installation. Commenced roofing of the compressor area. Substantially complete with steel erection and focused on punch-list work-off. Commenced compressor lube oil flushes. 	 Continue pipe installation, testing and restoration. Continue cable pulls and conduit installation. Continue instrument and tubing installation. Continue with compressor lube oil flushes. Continue with roofing of the compressor area.
Liquefaction Stage 2 Area – Train 4	 Continued pipe installation and testing / air blow / restoration. Continued cable pulls and conduit installation. Continued instrument and tubing installation. Continued erection of structural steel in the compressor and refrigeration areas. Continued setting filter houses in the refrigeration compressors area. 	 Continue pipe installation, testing and restoration. Continue cable pulls and conduit installation. Continue instrument and tubing installation. Continue steel erection in compressor and refrigeration area and punch-list work-off. Complete setting of filter houses in compressor area. Commence the setting of compressor stacks and waste heat recovery units.

Area	Construction Activities in January	Planned Work for February
OSBL – Stage 1 & Stage 2	 Continued with general punch-list work-off in Stage 1. Continued with pipe testing, air blows, and restoration in Stage 2. 	Continue with pipe testing, air blows, and restoration in Stage 2.
Support Buildings	 Warehouse – 'Certificate of Occupancy' issued Maintenance Building – 'Certificate of Occupancy' issued RTFC Building – 'Certificate of Occupancy' issued Laydown Bottle Storage Area – Substantial Completion accepted December 2, 2015. 	 Continue to support construction. Substantial Completion for warehouse, maintenance building, and RFTC building expected February 2016.
Access Roads, Waterline	 Water trucks were operated for dust control, as necessary. Completed fabrication of open cut section and backfill of 24" pipe. Completed fabrication of open cut section and began backfill of 12" pipe. 	Continue dust control.
Laydown, Staging Areas	No activities.	No activities.
Construction Dock (Ro-Ro)	Received and offload equipment at the construction dock.	Continue to receive equipment.
Revamp Area	No activities.	Commence commissioning and loop checks of water treatment equipment.
Condensate (CP13-2-000)	Substantial Completion achieved January 22, 2016.	Commissioning.
Stage 3 (CP13-552-000)	 Complete site preparation in Train 5 ISBL. Continued heavy haul road construction. 	 Continue preparation activities for the start of U/G pipe installation.
East Meter Pipe (CP15-482-000)	 Commenced installation of pipe in horizontal drill hole. Completed 'B' Pipe Line Crossing including one midpipe string weld on January 18, 2016. Commenced mobilization and setup of Direct Pipeline equipment for start of 'A2' Pipe Line Crossing including four mid-pipe welds on January 29, 2016. 	

6.0 Permitting and Environmental

Summary of Problems, Non-Compliances, and Corrective Actions

Date	Description
None.	

Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
None.			

7.0 Progress Pictures



Train 2 - Prepare to Load Internals in Mercury Removal Beds



Train 2 – Refrigeration Area Progress



Train 3 – Erecting Steel in the Propane Refrigeration Area



Train 3 – WHRU Compressor Area



Train 4 – AGRU Air Coolers and Pipe Rack Areas



Train 4 – Erecting Steel in the Propane Refrigeration Area



OSBL Train 4 – Hot Oil KO Drum in Thermal Oxidizer Area



OSBL Train 4 – Hot Oil Waste Heat Recovery Coil in Thermal Oxidizer Area



Stage 3 – Piling Progress



Stage 3 – Soils Improvement

SABINE PASS LIQUEFACTION PROJECT

Cameron Parish, Louisiana

Monthly Progress Report February 2016

Table of Contents

1.0	Executive Summary	. 3
	Project Highlights	
	Environmental, Safety, and Health Progress	
	Schedule	
5.0	Construction	. 5
6.0	Permitting and Environmental	. 7
7.0	Progress Pictures	. 8

1.0 Executive Summary

This report covers activities of the Sabine Pass Liquefaction Project, Stages 1 – 3 that occurred during the month of February 2016.

Stage 1 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 89.0% and 97.3% complete, respectively. Stage 1 overall project completion is 97.9% against the plan of 99.5%.

Stage 2 Engineering and Procurement are 100% complete. Subcontract and direct hire construction work are 53.1% and 62.5% complete, respectively. Overall project completion for Stage 2 is 82.2% against the plan of 89.0%.

Stage 3 Engineering is now 52.7% complete. Procurement is now 35.5% complete. Subcontract and direct hire work are 23.5% and 0.3%complete, respectively. Stage 3 overall project completion is 23.7% against the plan of 18.1%.

During February, Train 1 achieved first LNG production on February 10th and subsequently the first cargo was loaded on February 24th.

Actual project progress supports the achievement of substantial completion for Trains 1 and 2 by late April/May 2016 and August 2016, respectively. Trains 3 and 4 targeted substantial completion dates are April 2017 and August 2017, respectively, with schedule recovery expected in the summer of 2016 as labor resource is transitioned from Stage 1 onto Stage 2.

2.0 Project Highlights

Stages 1 and 2 engineering and procurement are complete. Engineering and Procurement continue to support Stages 1 and 2 construction activities at the jobsite. For Stage 3, engineering continued issuing drawings for ISBL foundations and structural steel and issued all AG and UG ISBL isos. Procurement continues to award major equipment and bulk materials. Fabrication is underway for mechanical equipment, steel and piping. First steel and hot oil / amine spools were delivered to site.

During the month of February, subcontracts directed the following major subcontracts for Stage 1: onsite equipment insulation, piping insulation, fire and gas detection, fireproofing and erection/supervision of the installation of the refrigeration compressors. For Stage 2, subcontracts supervised field-erected tanks, busing, permanent telecommunications, non-destructive examination (NDE), fire and gas detection, equipment insulation and the supervision of the installation of refrigeration compressors. For Stage 3, subcontracts directed the soil improvement and piling subcontracts.

Train 1 completed thermocouple extension cables replacement and system checks after refilling perlite for both the ethylene and methane cold boxes. Startup resumed the liquefaction process and fine tuning for steady operation. Train 1 successfully produced LNG on February 10th with subsequent LNG loading first cargo on February 24th. Train 2 continued with piping installation with the focus on pipe pressure testing, air blows, and restoration in all areas. Train 2 lube oil flushing has been completed for all, but the last propane compressor. Five out of six gas generators and all 28 dry gas seals have been installed. In the month of March, receipt of fuel gas

in Train 2 is forecasted. Commissioning of the LNG refrigeration compressors will commence along with the hot oil, amine and gas treatment systems.

Stage 2 construction is well underway. In Train 3, the installation, testing, and restoration of aboveground piping are progressing in all available workfronts. Structural steel in Train 3 is now substantially complete. Train 3 compressor lube oil flushes are currently underway. In Train 4, aboveground piping installation continues in all available workfronts. Installation of the Train 4 compressor area GT Stacks and Waste Heat Recovery Units commenced this month. In the OSBL, work continued on the thermal oxidizers and the utility substation.

Stage 3 soil stabilization and piling continued. Underground pipe installation will begin in March.

3.0 Environmental, Safety, and Health Progress

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

	Near	Miss	First	t Aid	Recordable Lost Time		ime	
	Month	ITD	Month	ITD	Month	ITD	Month	ITD
Bechtel	12	662	55	2278	2	74	0	10
Subcontractor	0	50	4	152	0	7	0	1
Total	12	712	59	2430	2	81	0	11

4.0 Schedule

Overall, Train 1 and 2 project progress is 97.9% complete against a plan of 99.5%. Overall Train 3 and 4 project progress is 82.2% complete against a plan of 89.0%. Train 5 project progress is 23.7% complete against a plan of 18.1%.

5.0 Construction

Area	Construction Activities in February	Planned Work for March		
Liquefaction Stage 1 Area – Train 1	 Continued with general punch-list work-off. Completed cool down LNG rundown and produced LNG. Commenced LNG loading of first cargo. 	 Shutdown the unit to pull and clean strainers, as well as other outage work activities in preparation for performance testing. Restart and continue with the fine-tuning for stable operation and commence performance test. 		
Liquefaction Stage 1 Area – Train 2	 Continued steel punch-list work-off. Continued AG Pipe installation and testing / air blow / restoration. Continued with final lube oil flushes for the compressors. Continued with loop checking. Continued with electrical and instrumentation installation. Commenced chemical cleaning of the amine piping system. Continued with insulation. Completed leak checks and commissioning of firewater systems. Turned over the wet and dry flare systems and the hot oil systems to CSU. 	 Continue with steel punch-list work-off. Continue AG Pipe testing / air blow / restoration. Complete first fire and mechanical runs for both ethylene compressors and one methane compressor. Continue loop checking. Continue electrical and instrumentation installation. Continue insulation. Complete chemical cleaning of the amine piping system and turn-over the amine systems to CSU. Complete leak checks on feed gas, fuel gas, and flare systems. Introduce fuel gas into the unit and commission the fuel gas heater. Complete commissioning of the thermal oxidizer. Turn over the remaining gas treatment system to CSU. 		
Liquefaction Stage 2 Area – Train 3	 Continued AG Pipe installation and testing / air blow / restoration. Continued cable pulls and conduit installation. Continued instrument and tubing installation. Commenced roofing of the compressor area. Continued steel punch-list work-off. Continued compressor lube oil flushes. 	 Continue AG Pipe installation and testing / air blow / restoration. Continue cable pulls and conduit installation. Continue instrument and tubing installation. Continue with compressor lube oil flushes. Continue roofing of the compressor area. 		

Area	Construction Activities in February	Planned Work for March			
Liquefaction Stage 2 Area – Train 4	 Continued AG Pipe installation and testing / air blow / restoration. Continued cable pulls and conduit installation. Continued instrument and tubing installation. Continued erection of structural steel in the compressor and refrigeration areas. Completed setting of filter houses in the refrigeration compressors area. Commenced the setting of compressor GT Stacks and Waste Heat Recovery Units. 	 Continue AG Pipe installation and testing / air blow / restoration. Continue cable pulls and conduit installation. Continue instrument and tubing installation. Continue steel erection and punch-list work-off. Complete setting of compressor GT Stacks and Waste Heat Recovery Units. 			
OSBL – Stage 1 & Stage 2	 Continued with general punch-list work-off in Stage 1. Continued with AG Pipe testing / air blows / restoration in Stage 2. Continue to prepare for energization of the Stage 2 Utility Substation. 	Continue with AG Pipe testing / air blows / restoration in Stage 2.			
Support Buildings	 Warehouse – No activities. Maintenance Building – No activities. RTFC Building – No activities. Laydown Bottle Storage Area – Substantial Completion accepted December 2, 2015. 	Substantial Completion for warehouse, maintenance building, and RFTC building expected March 2016.			
Access Roads, Waterline	 Water trucks were operated for dust control, as necessary. Completed Stage 1 Water Line Section Replacement (required water outage / shutdown for SPL site). 	Continue dust control.			
Laydown, Staging Areas	No activities.	No activities.			
Construction Dock (Ro-Ro)	Received and offload equipment at the construction dock.	Continue to receive equipment.			
Revamp Area	No activities.	No activities.			
Condensate (CP13-2-000)	In Service. No further construction activities to report.	None.			
Stage 3 (CP13-552-000)	Began preparations for underground pipe installation.	Commence U/G pipe installation works.			
East Meter Pipe (CP15-482-000)	 Completed Crossing A-1. Demobilized Direct Pipe Subcontractor. Tie-in to Transco Pipe Line is under development. 	• Substantial Completion is forecasted for March 31, 2016.			

6.0 Permitting and Environmental

Summary of Problems, Non-Compliances, and Corrective Actions

caninary of the bioline, from compilarities, and corrective rictions			
Date	Description		
Intermittent.	During commissioning, the various testing, purging, unexpected trips, startup tuning and shutdown activities have resulted in intermittent deviations from air permit conditions. All deviations have been reported to the Louisiana Department of Environmental Quality ("LDEQ") as required. SPL continues to coordinate with LDEQ to ensure air permit compliance is demonstrated.		

Agency Contacts/Inspections

Agency	Name	Date	Location/Activity
FERC	Sentho White Steven Kusy	2/2-2/3/16	6 Week Inspection

7.0 Progress Pictures



Train 1 – First LNG commissioning cargo being loaded into the LNG Carrier.



Train 2 – Insulating Large Bore Pipe on the Compressor Deck



Train 3 – Installation of Refrigeration Piping in the Alleyway



Train 3 – Ethylene Cold Box Structure Progress



Train 3 – Molecular Sieve Dehydrators



Train 3 – LNG Trench Installation



Train 4 – Pipe Bridge to R02 Common Rack



Train 4 – Propane Refrigeration Area



Train 5 Piling – Cryo Rack



Train 5 Piling – Pile Cutting and Tension Connector Installation in Amine Area