SWG-2004-02118 Golden Pass LNG - Blanket Permit Modification (EO 14156)





FIGURE 2 - MP 33 COMPRESSOR SITE CURRENT LOD AND AREAS BEING REQUESTED FOR LOD EXPANSION



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FIGURE 3 - WETLANDS IDENTIFIED WITHIN THE LOD MODIFICATION AT THE GPLNG TERMINAL SITE.



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FIGURE 4 - WETLANDS IDENTIFIED WITHIN THE LOD MODIFICATION AT THE GPLNG TERMINAL SITE.







Deep bayou landing 🕕

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Table A Description of Work Types Proposed		
New/modified pipeline interconnect(s) owned and operated by Golden Pass or in support of Golden Pass Operations	New pipeline and surface or modified surface facilities designed for receipt of gas to/from the GPLNG Terminal. These facilities could include pig launchers/receivers, valves, meters, or tanks. They would typically have gravel or concrete foundations and would be fenced. Access would be through either existing roads or new, graveled roads.	
New pipeline compression construction / operation owned and operated by Golden Pass or in support of Golden Pass Operations	New pipeline and surface or modified surface facilities designed for transport of gas to/from the Golden Pass Pipeline system to supply the GPLNG Terminal. These facilities could include pig launchers/receivers, valves, meters, compressors, or tanks. They would typically have gravel or concrete foundations and would be fenced. Access would be through either existing roads or new, graveled roads.	
Permanent sediment / erosion control installation / modification	Permanent sediment / erosion controls that may be installed or modified at the GPLNG Terminal could consist of rock berms, earthen levees, driven sheet pile or other engineered structure. Permanent sediment / erosion controls that may be installed or modified at the MP 33 Compressor Station site could consist of rock berms, earthen levees, driven sheet pile or other engineered structure.	
Modification / maintenance of outfall structures	The GPLNG Terminal has several, existing, concrete outfalls that discharge into the Sabine Neches Waterway (SNWW). These structures require occasional maintenance, including cleaning and repair. If necessary, they may also be replaced with new concrete outfall structures.	
Modification / maintenance of drainage structures	The GPLNG Terminal and MP 33 Compressor Station site have drainage systems (i.e., stormwater systems) that require occasional maintenance, including cleaning and repair. If necessary, they may also be replaced or modified (e.g., rerouted, widened) to accommodate altered site conditions.	
Dock repair / replacement	Repair or replacement of approved in-water structures in the GPLNG Terminal's ship slip or the material offloading facility (MOF) area.	
Installation / modification / repair / replacement of utility structures (overhead or buried)	The GPLNG Terminal and MP 33 Compressor Station facilities require utilities (e.g., waterlines, powerlines, fiberoptic lines). Existing utilities could require repair. In addition, existing utilities might require modification (e.g., expansion) or new utilities may need to be installed to supply new facilities (e.g., buildings, interconnects) or modified existing facilities.	



Table A Description of Work Types Proposed		
Access road installation / modification / repair / replacement	Repair or modification of existing access roads to the GPLNG Terminal and/or MP 33 Compressor Station site. These sites might also require installation of new gravel roads to facilitate access to new or modified facilities (e.g., interconnects, buildings).	
Building (including foundation) construction / maintenance / replacement	New building construction or building repair at the GPLNG Terminal and/or MP 33 Compressor Station site. The buildings would be in support of the Golden Pass facilities and could be used for operations and maintenance activities or storage of materials to support operations or maintenance activities. They could be either temporary or permanent buildings. If temporary, the area would be returned to pre-existing contours following construction and allowed to revegetate in accordance with Golden Pass' wetland restoration plan for temporarily disturbed areas.	
Construction of ancillary support facilities (i.e., parking lot, laydown/storage, etc.)	New ancillary facilities in support of construction or maintenance activities at the GPLNG Terminal and/or MP 33 Compressor Station site. These could either be temporary or permanent support facilities. If temporary they would be graveled. If permanent they could be either graveled or paved. If temporary, the gravel would be removed and the area returned to pre-existing contours following construction and allowed to revegetate in accordance with Golden Pass' wetland restoration plan for temporarily disturbed areas.	
Conversion of workspace status (i.e., temporary workspace to permanent workspace or permanent workspace to temporary)	Expansion of planned facilities may require some areas of temporary workspace to become part of the permanent footprint. In contrast, to minimize impacts, only the amount of permanent workspace required will be used. Thus, some planned permanent workspace if no longer needed may be returned to pre-existing contours following construction and allowed to revegetate in accordance with Golden Pass' wetland restoration plan for temporarily disturbed areas.	
Fill placement	Areas where fill will be placed resulting in conversion of Golden Pass property to permanent workspace. This could entail parking areas, laydown areas, access points, etc. and areas where restoration would cause additional disturbance (e.g., along a ROW).	
Shoreline stabilization work	Shoreline stabilization along the SNWW to prevent erosion and sloughing. This could include rock revetment, driven sheet pile or other type of bulkhead, or other engineered structure.	



Table A Description of Work Types Proposed		
Activity	Description	
Dredging and related work	Maintenance dredging of the existing GPLNG Terminal ship slip and MOF. In addition, new temporary float channels may need to be dredged to accomplish shoreline stabilization along the SNWW.	
Berm installation and modification	Installation of new berms or modification of existing berms for increased flood protection. Berms could consist of either earthen fill, rock, driven sheet pile or other engineered structure	
Fence installation / modification	Installation of new fence or modifications to existing fence to enclose new or modified facilities. These could be perimeter fence lines or security fence at the GPLNG Terminal and/or MP 33 Compressor Station site. In addition, existing fences may require repair.	



Dredge activities include maintenance dredging of the existing GPLNG Terminal ship slip and material offloading facility (MOF). In addition, new temporary float channels may need to be dredged to accomplish shoreline stabilization along the Sabine Neches Waterway (SNWW). Maximum dredging depths would be consistent with the approved Dredged Material Management Plan (July 2016), see **Table 2**.

Table B: Maximum Dredge Depths Proposed		
Facility	Maximum Dredge Depth	
GPLNG Terminal Berth	-45.95 feet MLLW plus 2-foot of over dredge, plus 2-foot of advance maintenance	
Material Offloading Facility (MOF)	-20 feet MLLW with an additional 2-foot over-dredge allowance	
Temporary Float Channels	-7.0 feet MLLW	
Notes: MLLW – Mean Lower Low Water NADV88 - North American Vertical Datum of 1988		