

Longhorn Mitigation Plan  
Commitment Implementation Status Report  
Annual - 2012

Mitigation Item No.	Description	Timing	Status of Commitment Implementation
38	Longhorn shall submit periodic reports to DOT/OPS that will include information about the status of mitigation commitment implementation, the character of interim developments as relate to mitigation commitments, and the results of mitigation-related studies and analyses. The reports shall also summarize developments related to its Operational Reliability Assessment ("ORA"). The quarterly reports shall be made available to the public.	Quarterly during the first two years of system operation and annually thereafter for the operational life of the pipeline system.	This report covers the 2012 annual reporting period. This report addresses mitigation commitments that either begin with, or extend beyond startup and have not had a Completion Report submitted to PHMSA/OPS. System startup occurred January 27, 2005.
12	Longhorn shall, following the use of sizing and (where appropriate) geometry tools, perform an in-line inspection of the existing pipeline (Valve J-1 to Crane) with an ultrasonic wall measurement tool (UT Tool) and remediate any problems identified. See the LPSIP at Section 3.5.2 and the ORA at Section 4.0.	At such intervals as are established by the ORA, provided that an inspection shall be performed no more than 5 years after system startup.	In 2012 there were 18 digs completed related to the 2009 and 2010 Ultrasonic Wall Measurement In-Line Inspections.
13	Longhorn shall install an enhanced leak detection and control system which will include a transient model based leak detection system utilizing 9 meter stations (6 clamp on meters and 3 turbine meters). Additionally, a leak detection system will be installed over the Edwards Aquifer Recharge Zone and the Slaughter Creek watershed in the Edwards Aquifer Contributing Zone that will detect a leak of extremely minute volume in twelve (12) to one hundred twenty (120) minutes from contact, depending upon the product sensed by the system. That leak detection system will be a buried hydrocarbon sensing cable system designed to meet the leak detection performance specifications described in the preceding sentence. The pipeline system is designed to achieve emergency shutdown within 5 minutes of a probable leak indication. See Mitigation Item 13.	System installation prior to startup and system operational within 6 months of startup.	The enhanced leak detection systems were installed prior to system startup as specified in the LMP. Additional system enhancements and fine tuning of the model have increased the leak detection sensitivities to under 1% of flow detected within one hour, and one half hour. Analyses of all operational data and activities are conducted, and the sensitivities are measured and evaluated bi-monthly. The leak detection capabilities are periodically tested and demonstrated in conjunction with the Longhorn ILI activities.  LMC 13 changes to add the performance commitment for crude oil were submitted to PHMSA February 14, 2012.
19	Longhorn has performed studies evaluating each of the following matters along the pipeline, and shall implement the recommendations of such studies. See Mitigation Item 19.		
19b	Scour, erosion and flood potential.	Periodically after startup. (Scheduled inspections occur at various water crossings at 6 month and 5 year intervals. Inspections also occur after certain flood events).	The 6 month periodic inspections were completed in January and June 2012. Colorado River Survey was completed July 31, 2012
19d	Ground movement, subsidence and aseismic faulting	Periodically after startup. (The study recommended surveys to be performed every 6 months).	Monitoring was completed in June and December of 2012. Per the 2012 ORA report "With 7½ years of data we attempted to measure the actual fault movement over time by calculating best fit trend lines. The trend lines show no measureable movement on the Melde and Breen faults, with only slight movement of 0.09 inch (2.2 mm) over 7½ years for the Akron fault and -0.11 inch (-2.7 mm) over 7½ years for the Hockley fault."
19e	Landslide potential.	Periodically after startup. (The study recommended surveys to be performed every 5 years).	A photogrammetry survey was completed in June 2005. The 2010 photogrammetry survey was completed in December of 2010. The next survey is slated for 2015.

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25	Longhorn shall develop enhanced public education/damage prevention programs to, inter alia (a) ensure awareness among contractors and potentially affected public, (b) promote cooperation in protecting the pipeline and (c) to provide information to potentially affected communities with regard to detection of and responses to well water contamination. See the LPSIP Section 3.5.4 See Mitigation Appendix, Item 25.	Continuously after startup.	Public awareness program was implemented as required by the LMP Annual mail out was conducted for the affected public residential, general businesses and schools within ½ mile of the pipeline for urban areas and within 2 miles of the pipeline in rural areas, excavators and farmers within 10 miles of the pipeline and emergency officials and local public officials within the county, plus 20 miles of the pipeline. Brochures are being mailed in envelopes which are have increased the amount of BRC's returned each year. (2012 = 824) A supplemental mail out was sent to all parties involved in unauthorized encroachments. Magellan participated in an outreach program with scheduled emergency responder and excavator meetings in all 25 counties. Door to door visits and door hangers were conducted at 5,142 locations adjacent to the ROW from Harris to El Paso counties. Magellan continues to operate a school outreach program targeted at 4th and 5th grade students in the Austin area. Magellan participates in the Safe at Home school program in the Houston area. Magellan targeted and met with 121 emergency responders in all 25 counties and provided maps and other information about Magellan's system in regard to public safety. As part of our outreach program for Public Officials, Magellan sent postcards with maps of the system and information about the presence of our pipeline and public safety. (2495 Summer 2012 and 2198 Winter of 2012) Magellan continued our Kiosk program to distribute pipeline safety and damage prevention information and provided refills of promotional items for 21 of our 43 targeted stores. Magellan was a sponsor with a collaborative group for 811 media day. This year's campaign set a new all time national high for 8-11 day campaign.
31	Longhorn shall perform a surge pressure analysis prior to any increase in the pumping capacity above those rates for which analyses have been performed or any other change which has the capability to change the surge pressures in the system. Longhorn will be required to submit mitigation measures acceptable to DOT/OPS prior to any such change in the system, which mitigation measures will adequately address any MASP problems on the system identified by the surge pressure analysis.	Prior to any change in the system that has the capability to cause surge pressures to occur on the system	Surge analysis was completed for Phase I Longhorn Reversal Project for Odessa to El Paso, Crane to East Houston, and East Houston to Speed Junction. LMC 31 change documents were submitted to PHMSA for the Odessa to El Paso line segment on May 24, 2012 and approval from PHMSA was received on August 10, 2012. LMC 31 change documents were submitted to PHMSA for the Crane to East Houston and East Houston to Speed Junction line segments initially on May 24, 2012 and then was updated on October 12, 2012. Approval from PHMSA was received January 25, 2013.
32	Longhorn shall perform pipe-to-soil potential surveys semi-annually over sensitive and hypersensitive areas (which is twice the frequency required by DOT regulations - 49 C.F.R. 195.416) and corrective measures will be implemented, as necessary, where indicated by the surveys. See LPSIP Section 3.5.1.	No more than six months after startup and semi-annually thereafter.	Semi-annual pipe-to-soil potential surveys for 2012 have been completed.
36	Longhorn shall prepare site-specific environmental studies for each new pump station planned for construction. These studies shall be responsive to National Environmental Policy Act requirements as supplements to the Environmental Assessment of the Proposed Longhorn Pipeline System. For each such pump station, Longhorn shall submit the site-specific environmental study to the U.S. Department of Transportation no less than 180 days prior to commencement of construction.	Prior to construction of any new pump station.	The new pump stations associated with the Phase II of the Longhorn Reversal Project have undergone a NEPA assessment and each are included in the Environmental Assessment of the Longhorn Pipeline Reversal Project and EA approval (FONSI) has been received. SSESr were not prepared for any of the new pump stations; as they were fully evaluated within the EA.
<b>Lower Colorado River Authority (LCRA) Settlement Agreement</b>			

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	Addition to Longhorn Mitigation Item 3: Longhorn will replace approximately six miles of existing pipeline in the Pedernales River watershed that is characterized as having a time of travel for a spill from Lake Travis of eight hours or less. Pipeline segments having this characteristic are approximately as follows: Segment 1 - 9968+64 to 10057+00, Segment 2 - 10107+00 to 10142+00, Segment 3 - 10179+00 to 10209+00, Segment 4 - 10275+00 to 10375+00, and Segment 5 - 10459+00 to 10509+00. Segment 5 crossing the Pedernales River will be completed prior to the date of pipeline startup. Horizontal directional drill construction methods will be used to install the section of pipe under the Pedernales River. Segments 1 through 4 will be replaced as determined by the LPSIP and ORA, but in any case no later than seven years from the startup date.	Prior to startup for Segment 5 and as determined by the ORA for Segments 1 through 4 but no later than 7 years from startup.	Segments 1-4 were replaced with new pipe beginning in late August of 2011 and completed December 5, 2011. The take up and final cleanup was complete in February 2012. The letter of completion for this commitment was submitted to PHMSA July 19, 2012. This commitment has been met.
3a	Plans and specifications sealed by a professional engineer in Texas that details modifications necessary to public water systems that are regulated by TNRCC (or any successor agency) that take water from Lake Travis. Resealing should occur once every five years. Last resealed in December 2007. Next update: December 2012	Once every 5 years	Last resealed September 26, 2012.
	Describe any emergency drills and results from those drills within the Colorado River basin (City of Austin, Pedernales River watershed and Bastrop County) during this reporting period.	Annually	<p>On November 8, Magellan conducted a combination functional and tabletop exercise in Austin. The exercise scenario involved a pipeline release inside the City of Austin at approximately milepost 173 which impacted Slaughter Creek. Exercise attendees included Magellan personnel, TAS (Spill Contractor), City of Austin Water District and the City of Austin Fire Department.</p> <p>On December 7th a Ped River deployment drill simulating a pipeline release on the Pedernales River was conducted. The spill contractor demonstrated the ability to mobilize and deploy a level 2 spill trailer to a pre-designated recovery site on the Pedernales river in a timely manner.</p>
	Describe any maintenance, inspections, smart pigging, repairs, upgrades to the pipeline within the Colorado River basin (City of Austin, Pedernales River watershed and Bastrop County) during this reporting period. Colorado River Basin identified as MP 94.45 to MP 426.8 which includes ILI segments of Satsuma to Warda (last 18.5 miles), Warda to Cedar Valley, Cedar Valley to Eckert, Eckert to Ft. McKavett, and Ft. McKavett to Crane (first 102 miles)	Annually	In 2012 there were 7 digs completed in the Colorado River basin related to 2009 and 2010 Ultrasonic Wall Measurement In-Line Inspections.
<b>Operational Reliability Assessment</b>			
	The ORA will provide Longhorn with an annual technical assessment of the actual effectiveness of the overall LPSIP. The ORA will provide feedback on the adequacy, frequency, and additional element criteria of the evaluation plan, which includes use of internal inspection devices, hydrotests, and other mechanical integrity assessment and confirming processes and technologies. The ORA results will be factored back into the LPSIP and will be integrated into the ongoing program.	Annually, or per event as defined in LMP	OPS approved Kiefner and Associates, Inc., as the independent, third-party ORA contractor. The Summary Report of the 2011 ORA Developments has been posted to the Magellan Midstream Partners website at <a href="http://www.magellanlp.com">www.magellanlp.com</a> under the "Longhorn Pipeline Assets" tab. The 2012 Annual ORA report was submitted to PHMSA on January 23, 2013.
<b>Longhorn Pipeline System Integrity Plan</b>			
	<p>The LPSIP consists of certain specific "Process Elements." The descriptions and program attributes of the Process Elements reflect action "over and above" those specified and required under various regulations and statutes, such as DOT's Title 49 C.F.R. Part 195.</p> <p>Implementation of the "Process Elements" will ensure that Longhorn will effectively identify, analyze, and responsibly manage the most important threats to and risk of the Longhorn Pipeline System.</p>	Continuously - Operations Annually - Self Audit	The 2011 LPSIP Annual Self-Audit is in final review and will be provided to PHMSA and made available to the public on the Magellan Midstream Partners website at <a href="http://www.magellanlp.com">www.magellanlp.com</a> under the "Longhorn Pipeline Assets" tab. The 2012 Self Audit is scheduled for completion was submitted to PHMSA on March 6, 2013.

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<b>Relative Risk Assessment Model</b>			
	The Relative Risk Assessment Model is designed to automatically prioritize and sort pipeline segments in accordance with their scored relative risk in relation to all other segments. Changes in the surrounding population, the environment, or mechanical attributes of the pipeline are updated in the model as new information is available and the Model is rerun.	Annually, or per event as defined in LMP	The model is updated periodically as new information comes available. The Relative Risk Assessment Model is undergoing enhancements per the approved EA. The new model will be active 2013. Risk estimates will be updated using the enhanced risk assessment methodologies within 6 months of startup.