



## KEYSTONE OIL PIPELINE PROJECT

### SOUTH DAKOTA PUBLIC UTILITIES COMMISSION QUARTERLY REPORT

For the Quarter Ending: September 30, 2010

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## **1.0 EXECUTIVE SUMMARY**

The Keystone Pipeline Project includes the construction of 2,148 miles of pipeline and associated facilities to transport approximately 590,000 barrels of crude oil a day to the United States Midwest markets at Wood River and Patoka, Illinois and to Cushing, Oklahoma.

Keystone commenced pipeline construction activities in May 2008. The 2008 construction included approximately 45.6 miles of pipeline in the state of South Dakota. Construction activities on Spread 2A entered South Dakota in August 2008.

Construction activities for the 2009 Keystone spreads commenced in May 2009. Construction in South Dakota included the completion of work on Spread 2A in Day and Marshall counties, and the construction of Spread 3B (140.9 miles) in Marshall, Clark, Kingsbury, Miner, Hanson, McCook and Hutchinson counties and Spread 4B (33.7 miles) in Hutchinson and Yankton counties.

Construction in South Dakota included four pump stations in Day, Beadle, Miner and Hutchinson Counties. Construction commenced at the pump station sites in the third quarter of 2008 and was completed in the fourth quarter of 2009. Additional work commenced in May 2010 at these pump station sites to add pump units and increase horsepower. This work is now complete.

Keystone continued to address specific landowner concerns (punch list items) in the third quarter of 2010. Environmental control activities will continue in South Dakota during the remainder of 2010.

Keystone is conducting investigative digs at approximately six locations in South Dakota. This inspection is being conducted to comply with a October 2009 Pipeline and Hazardous Material Safety Administration (PHMSA) directive for all liquids pipelines to confirm pipe strength in pipe that may be susceptible to low yield strength. Keystone will minimize the impacts of the dig program on landowners and communities and will conduct the program in consultation with all affected stakeholders. This activity commenced in October 2010 and is expected to be complete by the end of December 2010.

## **2.0 LAND ACQUISITION STATUS**

All land required to complete this portion of the project in South Dakota was acquired.

## **3.0 NON - ENVIRONMENTAL PERMITTING STATUS**

### **3.1 County and Township Roads**

Permits for all County and Township Roads are on file at the Project office.

### **3.2 State Roads**

All road crossing permits have been issued by the South Dakota Department of Transportation District Offices to cross state road rights of way.

### **3.3 Railroads**

All railroad permits are on file at the Project office.

### **3.4 Pump Stations**

All permits required for pump station construction have been received.

## **4.0 ENVIRONMENTAL PERMITTING STATUS**

The Keystone Project received all required federal and state environmental permits for work in South Dakota, and is in compliance with those permits.

### **4.1 Federal Permits**

Keystone has received all necessary federal environmental permits for construction in South Dakota. These permits were provided to the South Dakota Public Utilities Commission (SD PUC) in a previous filing. Permits received for 2008 construction cover the scope of activities for 2009 and any outstanding surface reclamation and stabilization activities carried out in 2010.

### **4.2 State Permits**

Keystone received all necessary state environmental permits for construction in South Dakota. These permits were provided to the SD PUC in a previous report. Permits received for 2008 construction were extended where necessary to cover the scope of activities for 2009.

### **4.3 Permit Compliance**

Keystone's construction management staff evaluated construction activities throughout the project to ensure continued compliance with permits and regulatory commitments.

Refer to Appendix A for a summary of consultations with the South Dakota Department of Environment and Natural Resources.

## **5.0 CONSTRUCTION STATUS**

During construction there were no substantive design changes that affected the overall construction progress in South Dakota.

Limited surface reclamation, slope stabilization and soil decompaction activities are complete or will be complete by early November 2010. The 4,700 foot section of right-of-way in Marshall County that required final topsoil replacement and cleanup is complete.

## **6.0 ENVIRONMENTAL CONTROL ACTIVITIES**

Erosion control measures were installed during initial soil disturbing activities and were maintained throughout the construction season in 2009. In spring 2010, the Keystone construction management team conducted aerial reconnaissance to evaluate and identify areas where erosion control repairs or additional maintenance was required. Keystone will continue to employ stabilization and reclamation techniques as necessary during the remainder of 2010.

## **7.0 EMERGENCY RESPONSE & INTEGRITY MANAGEMENT PLANS STATUS**

### **7.1 Emergency Response Plan**

On February 8, 2010 the South Dakota Department of Environment and Natural Resources approved TransCanada's *Supplemental Information* addition to the Emergency Response Plan

TransCanada continues to provide various types of Keystone emergency response and pipeline safety awareness-related information through its public awareness program. The program includes regular mailings of brochures and information pamphlets to community members and landowners located within 1,000 feet of the pipeline center line. Through participation in the South Dakota Pipeline Association and through direct briefings, we provide emergency response information and status updates to emergency officials, excavation contractors, One Call Centers and to public officials in counties crossed by the pipeline or those adjacent to the pipeline.

In response to potential concerns surrounding the *Spill of National Significance* (SONS) that occurred in the Gulf region, Keystone public awareness program representatives have engaged landowners, municipalities and first responders to describe how the Keystone Emergency Response Plan is maintained. In addition, representatives described actions that will be taken by the Keystone emergency response teams in the unlikely event that an incident does occur. This information was provided in addition to the ongoing public awareness program.

Overall, the public awareness program and the information delivered have been well received.

### **7.2 Emergency Response Exercise**

TransCanada held an emergency response exercise in Yankton, South Dakota on September 22, 2010. The exercise consisted of field deployment of emergency response equipment and operation of an Incident Management Team responsible for the day-to-day planning activities during an emergency response.

Safety is TransCanada's first priority during exercises and during potential real events. Due to a severe hail storm in the area, the Yankton exercise was ended early to ensure the safety of all participants. However, it successfully demonstrated that TransCanada along with its response partners, including government agencies and contractors, is prepared to respond to emergencies.

The combination corporate and field exercise allowed teams to practice responding to a potential oil spill by:

- activating the corporate and regional Emergency Operations Centers (EOCs) in Calgary, Alberta and Omaha, Nebraska
- deploying equipment and personnel resources quickly and effectively
- allowing teams to test specific equipment, such as boom, boats and skimmers
- incorporating external agencies, such as the Yankton County Emergency Management and South Dakota Department of Environment and Natural Resources (DENR) as well as contractors such as O'Brien's Response Management and National Response Corporation (NRC) into the Incident Management Team and the entire emergency response structure.

TransCanada continues to hold multiple emergency response exercises every year at various locations along the pipeline to allow teams to practice under various terrain and weather conditions. These exercises also allow TransCanada to continually develop and practice response elements, such as safety assessments, communication and various response strategies to ensure we are prepared to respond to an emergency.

### **7.3 Integrity Management Plan for High Consequence Areas**

The Integrity Management Plan was submitted to PHMSA on July 17, 2009 and to the SD PUC on August 7, 2009.

### **8.0 SUMMARY OF OTHER MEASURES TO COMPLY WITH SD PUC CONDITIONS**

Refer to Appendix B for the Status of Implementation of South Dakota PUC conditions.

**APPENDIX A** Consultations with South Dakota Department of Environment and Natural Resources

<b>Date of Contact</b>	<b>Agency / Individual</b>	<b>Purpose of Consultation</b>	<b>Results of Consultation</b>	<b>Follow-up Required</b>
4/4/08	SD DENR Mark Rath	Response to input from Mr. Rath on potential temporary water use locations	Problem locations and alternatives will be reviewed by Keystone hydrostatic engineer; acceptable locations will be permitted	
4/11/08	SD DENR Genny McMath	Email transmittal of temp use/temp discharge permits	Permits received	
6/5/08	SD DENR Mark Rath	Obtain contact (SD GF&P) for approval of use of water at Fordham Dam	Contact - Leslie Petersen	
6/5/08	SD DENR Mark Rath	Discuss approval of small volume water use for negative buoyancy	Information should be submitted to Rath and permit can be issued same day in most cases	
6/11/08	SD DENR Stacy Splitstoesser	Update on court ruling vacating oil and gas exemption on construction storm water permitting	SD DENR evaluating ruling – no decision on requirements or schedule yet	
8/4/08	SD Dept. of Game, Fish and Parks Leslie Petersen	Request on procedure for obtaining approval to withdraw water from Fordham Dam for hydrostatic testing	Information provided on data to be submitted in letter requesting approval for withdrawal	
9/5/08	SD DENR Mark Rath	Determine procedure for renewing temporary water permits	Previous application (with updated timeframe) can be re-submitted	
9/11/08	SD DENR Stacy Splitstoesser	Update on court ruling vacating oil and gas exemption on construction storm water permitting	SD DENR evaluating ruling – no decision on requirements or schedule yet	
10/20/08	SD DENR Mark Rath	Discuss a stream crossing at MP 252 relative to the presence of Topeka Shiner as identified on the temporary use permit	If Keystone follows the guidelines set forth in the BA regarding water uptake for temporary use then the DENR will be satisfied with compliance.	
10/20/08	SD DENR Mark Rath	Discuss renewal of temp water use permits for 2009	Re-submit applications from 2008	
10/29/08	USFWS SD Field Office Natalie Gates & Charlene Bessken	Email requesting concurrence from USFWS that Topeka shiner survey is not needed at stream crossing at MP 252	Received concurrence from USFWS on 10/30/08	
12/2/08	DENR/ GFP/ PUC Brian Walsh	Update and overview 2009 construction and	Hydrostatic testing permits only good for 1 year and entire	



<b>Date of Contact</b>	<b>Agency / Individual</b>	<b>Purpose of Consultation</b>	<b>Results of Consultation</b>	<b>Follow-up Required</b>
	John Kirk Doug Backlund Leslie Peterson Lynn Beck Albert Spangler Stacy Splittstoesser	current status of permits	hydrostatic testing permit applications were resubmitted for renewal (water use and discharge) in January of 2009.	
1/06/09	SD DENR Genny McMath	Called to discuss the renewal process for the SD temporary use permits.	Ms. McMath confirmed that it was okay to renew the permits via email.	
3/05/09	SDGFP Eileen Dowd Stukel	Email confirming that the osprey hack site at Paddlewheel State Park will not be used this year.	Received confirmation on 3-05-09	
3/13/09	SD DENR Genny McMath	Email and Mail Delivery	All hydrostatic testing water use permits for 2009 construction approved and received.	
3/24/09	SD DENR Genny McMath	Email and Mail Delivery	All hydrostatic testing temporary discharge permits for 2009 construction received.	
7/2/09	SD DENR Genny McMath	Phone Correspondence	Requested an increase of 1MM gallons to the existing water use permit for Amsden Dam.	
7/6/09	SD DENR Genny McMath	Email Delivery	Received revised water use permit for Amsden Dam authorizing additional 1MM gallons.	
8/17/09	US Army Corps of Engineers, Omaha District	Mail Delivery	South Dakota Regulatory Office, determination of approval to horizontal directional drill the James River in lieu of open trenching Nationwide Permit No. NOW-2007-03572-40	



**APPENDIX B: Status of Implementation of South Dakota PUC Conditions**

NO.	CONDITION	STATUS OF OTHER MEASURES REQUIRED BY CONDITIONS
1	Keystone shall comply with all applicable laws and regulations in its construction and operation of the Project. These laws and regulations include, but are not necessarily limited to: the federal Hazardous Liquid Pipeline Safety Act of 1979 and Pipeline Safety Improvement Act of 2002, as amended by the Pipeline Inspection, Protection, Enforcement, and Safety Act of 2006, and the various other pipeline safety statutes currently codified at 49 U.S.C. § 60101 et seq. (collectively, the "PSA"); the regulations of the United States Department of Transportation implementing the PSA, particularly 49 C.F.R Parts 194 and 195; temporary permits for use of public water for construction, testing or drilling purposes, SDCL 46-5-40.1 and ARSD 74:02:01:32 through 74:02:01:34.02 and temporary discharges to waters of the state, SDCL 34A-2-36 and ARSD Chapters 74:52:01 through 74:52:11, specifically, ARSD § 74:52:02:46 and the General Permit issued there under covering temporary discharges of water from construction dewatering and hydrostatic testing.	Ongoing, including monitoring of compliance during the remaining work.
2	Keystone shall obtain and shall thereafter comply with all applicable federal, state and local permits, including but not limited to: Presidential Permit from the United States Department of State, Executive Order 11423 of August 16, 1968 (33 Fed. Reg. 11741) and Executive Order 13337 of April 30, 2004 (69 Fed. Reg. 25229), for the construction, connection, operation, or maintenance, at the border of the United States, of facilities for the exportation or importation of petroleum, petroleum products, coal, or other fuels to or from a foreign country; Clean Water Act § 404 and Rivers and Harbors Act Section 10 Permits; Special Permit issued by the Pipeline and Hazardous Materials Safety Administration; Temporary Water Use Permit, General Permit for Temporary Discharges and federal, state and local highway and road encroachment permits. Any of such permits not previously filed with the Commission shall be filed with the Commission upon their issuance.	Keystone has obtained the applicable permits as discussed in this report. All permits currently issued to Keystone have been filed with the Commission. Federal, state and local highway and road encroachment permits received in the third quarter of 2009 have been filed with the SD PUC.  This condition is complete.
3	Keystone shall comply with and implement the Recommendations set forth in the Final Environmental Impact Statement issued by the United States Department of State on January 11, 2008.	Ongoing, including monitoring of compliance during the remaining work.
4	The permit granted by this Order shall not be transferable without the approval of the Commission pursuant to SDCL 49-41B-29.	Not applicable at this time.
5	Keystone shall undertake and complete all of the actions that it and its affiliated entities committed to undertake and complete in its Application and in its testimony before the Commission at the hearing.	Ongoing, including monitoring of compliance during the remaining work.
6	The most recent and accurate depiction of the Project route and facility locations is found in hearing Exhibits A and C, 2 Sept 06, to the Application, Ex TC 1A and 1C, as modified by the valve and pump station relocations described in Ex TC 1C, 5 March 07, Risk Assessment, "6 Overview Valve and Pump Station Relocation (Overview of the Valve and Pump Station Relocation Rationale March 2007)" and "7 Facility Relocation 070328 (Valve and Pump Station Relocation Rationale Keystone Pipeline Project March 22,	All material deviations to the final pre-construction route for 2008 and 2009 were submitted to the Commission for approval. Notifications to affected landowners, utilities, and local government entities.  This condition is complete.

NO.	CONDITION	STATUS OF OTHER MEASURES REQUIRED BY CONDITIONS
	<p>2007)" and the route variation maps introduced into evidence at the hearing. Ex TC 9 and TC 10. The testimony of Keystone's witness, Buster Gray, indicated that the land acquisition and precise route finalization process was on-going at the time of the hearing. Keystone shall notify the Commission and all affected landowners, utilities and local governmental units as soon as practicable if material deviations are proposed to the route. At such time as Keystone has finalized the pre-construction route, Keystone shall file maps with the Commission depicting the final pre-construction route. If material deviations from this route must be made during construction, Keystone shall advise the Commission and all affected landowners, utilities and local governmental units prior to making such changes and afford the Commission the opportunity to review and approve such modifications. At the conclusion of construction, Keystone shall file detail maps with the Commission depicting the final as-built location of the Project facilities.</p>	
7	<p>Keystone shall provide a public liaison officer, approved by the Commission, to facilitate the exchange of information between Keystone, including its contractors, and landowners, local communities and residents and to promptly resolve complaints and problems that may develop for landowners, local communities and residents as a result of the Project. Keystone shall file with the Commission its proposed public liaison officer's credentials for approval by the Commission prior to the commencement of construction. The public liaison officer shall be afforded immediate access to Keystone's on-site project manager, its executive project manager and to contractors' on- site managers and shall be available at all times to the Commission's Staff via mobile phone to respond to complaints and concerns communicated to the Staff by concerned landowners and others. Keystone shall also implement and keep an up-dated web site covering the planning and implementation of construction and commencement of operations in this state as an informational medium for the public. As soon as the Keystone's public liaison officer has been appointed and approved, Keystone shall provide contact information for him/her to all landowners crossed by the Project and to law enforcement agencies and local governments in the vicinity of the Project. The public liaison officer's contact information shall be provided to landowners in each subsequent written communication with them.</p>	<p>Public liaison officer has been provided.</p> <p>Notification to landowners and public officials was completed in Spring 2008.</p> <p>Landowners were notified a second time in the mailing of the January 2009 version of <i>Keystone Connections</i>. A second letter was sent to public officials in July 2009.</p> <p>This condition is complete.</p>
8	<p>Until construction of the Project is completed, Keystone shall submit quarterly progress reports to the Commission that summarize the status of land acquisition and route finalization, the status of construction, the status of environmental control activities, including permitting status and Emergency Response Plan and Integrity Management Plan development, the implementation of the other measures required by these conditions, and the overall percent of physical completion of the project and design changes of a substantive nature. Each report shall include a summary of consultations with the South Dakota Department of Environment and Natural Resources and other agencies concerning the issuance of permits. The reports shall list dates, names, and the results of</p>	<p>Quarterly Reports have been submitted:</p> <ul style="list-style-type: none"> <li>- July 31, 2008 (Q2 2008)</li> <li>- October 31, 2008 (Q3 2008)</li> <li>- January 30, 2009 (Q4 2008)</li> <li>- May 1, 2009 (Q1 2009)</li> <li>- July 31, 2009 (Q2 2009)</li> <li>- October 30, 2009 (Q3 2009)</li> <li>- December 31, 2009 (Q4 2009)</li> <li>- March 31, 2010 (Q1 2010)</li> <li>- July 30, 2010 (Q2 2010)</li> <li>- October 29, 2010 (Q3 2010)</li> </ul>

NO.	CONDITION	STATUS OF OTHER MEASURES REQUIRED BY CONDITIONS
	<p>each contact and the company's progress implementing prescribed construction, land restoration, environmental protection, emergency response and integrity management regulations, plans and standards. The first report shall be due for the period ending June 30, 2008. The reports shall be filed within 31 days after the end of each quarterly period and shall continue until the project is fully operational.</p>	
<p><b>9</b></p>	<p>Until construction of the Project is completed, Keystone's public liaison officer shall report quarterly to the Commission on the status of the Project from his/her independent vantage point. The report shall detail problems encountered and complaints received. For the period of three years following completion of construction, Keystone's public liaison officer shall report to the Commission annually regarding post-construction landowner and other complaints, the status of road repair and reconstruction and land and crop restoration and any problems or issues occurring during the course of the year.</p>	<p>Quarterly Public Liaison Reports:</p> <ul style="list-style-type: none"> <li>- August 1, 2008 (Q2 2008)</li> <li>- October 31, 2008 (Q3 2008)</li> <li>- February 2, 2009 (Q4 2008)</li> <li>- May 1, 2009 (Q1 2009)</li> <li>- July 31, 2009 (Q2 2009)</li> <li>- October 30, 2009 (Q3 2009)</li> <li>- January 29, 2010 (Q4 2009)</li> <li>- Annual reports begin 2010</li> <li>- First Annual Liaison Report due to the PUC by January 30, 2011.</li> </ul> <p>Subsequent reports due January 30, 2012 and January 30, 2013.</p>
<p><b>10</b></p>	<p>As soon as practicable following the issuance of the permit, Keystone shall commence a program of contacts with state, county and municipal emergency response, law enforcement and highway, road and other infrastructure management agencies serving the Project area in order to educate such agencies concerning the planned construction schedule and the measures that such agencies should begin taking to prepare for construction impacts and the commencement of project operations.</p>	<p>Completed by correspondence to agencies in 2008.</p> <p>Notification to agencies was repeated by correspondence in July 2009.</p> <p>Notification and correspondence to all regulatory agencies and first responders is ongoing.</p>
<p><b>11</b></p>	<p>Keystone shall conduct a preconstruction conference prior to the commencement of construction to ensure that Keystone fully understands the conditions set forth in this order. At a minimum, the conference shall include a Keystone representative, Keystone's construction supervisor and Commission staff.</p>	<p>Completed on May 9, 2008 for 2008 pipeline construction.</p> <p>Completed on July 11, 2008 for pump stations.</p> <p>PUC Staff have confirmed that a pre-construction conference is not required for 2009 construction; construction issues were handled on a case-by-case basis in 2009.</p> <p>Complete – no further update required.</p>
<p><b>12</b></p>	<p>Once known, Keystone shall inform the Commission of the date construction will commence, report to the Commission on the date construction is started and keep the Commission updated on construction activities as provided in Condition 7.</p>	<p>Completed on April 16, 2009 for 2009 construction. Weekly updates are posted to website for PUC and public access.</p> <p>Complete – no further update required.</p>
<p><b>13</b></p>	<p>Except as otherwise provided in the conditions of this Order and Permit, Keystone shall comply with all mitigation measures set forth in the Construction Mitigation and Reclamation Plan (CMR) as set forth in Ex TC 1A as modified in the Final EIS Record of Decision.</p>	<p>Ongoing, including post construction monitoring of compliance.</p>
<p><b>14</b></p>	<p>Keystone shall incorporate environmental inspectors into its Construction Mitigation and Reclamation Plan and obtain follow-up information reports from such inspections upon the completion of</p>	<p>Completed.</p>

NO.	CONDITION	STATUS OF OTHER MEASURES REQUIRED BY CONDITIONS
	each construction spread to help ensure compliance with this Order and Permit and all other applicable laws and rules.	
15	During the course of the hearing, Keystone submitted TC 28, a Construction Agreement it executes with all affected landowners. The Construction Agreement includes a landowner option regarding trenching and topsoil removal methods. Keystone shall provide landowners with an explanation regarding these options and shall follow the landowner's selected preference as documented on the Construction Agreement. At a minimum, however, Keystone shall separate topsoil from subsoil in agricultural areas, including shelter belts in agricultural areas and grasslands, as provided in Keystone's Construction Mitigation and Reclamation Plan. Keystone shall utilize slope breakers to prevent erosion at a 2 to 4 percent gradient rather than Keystone's proposed 2 to 8 percent gradient. Keystone's cleanup and reclamation efforts shall commence immediately following backfill operations. Except where practicably infeasible, final grading and topsoil replacement and installation of permanent erosion control structures shall be completed in non-residential areas within 20 days after backfilling the trench and within 10 days in residential areas. In the event seasonal or other weather conditions prevent compliance with the time frames, temporary erosion controls shall be maintained until conditions allow completion of cleanup and reclamation.	<p>Completed for all landowners with voluntary land acquisition for 2008 construction.</p> <p>This is ongoing for all landowners for 2009 construction. As of December 31, 2009, 421 construction agreements have been signed. 15 were refused by the landowner.</p> <p>All slope breakers are in place. Final cleanup and re-grading is complete. Minor activities are continuing in the remainder of 2010 to address landowner concerns and punch list items</p>
16	Keystone shall cover open-bodied dump trucks carrying sand or soil while on paved roads and cover open-bodied dump trucks carrying gravel or other materials having the potential to be expelled onto other vehicles or persons while on all public roads.	Ongoing, including monitoring of compliance during the remaining work.
17	Herbicides or pesticides shall not be used in or within 100 feet of a water body except as allowed by the landowner and appropriate land management or state agency.	No pesticides are planned for use on the project. Herbicide application may be implemented to control noxious weeds along the ROW after construction and during operations. We will meet this requirement (100 foot avoidance area).
18	Rock excavation from the trench may be used to backfill the trench only to the top of the existing bedrock profile. All other rock shall be considered construction debris.	Complete.
19	Mulch shall be applied on all slopes concurrent with or immediately after seeding where necessary to stabilize the soil surface and to reduce wind and water erosion. Keystone shall implement Staff's recommendations regarding liquid mulch binders and specifications for mulch use set forth in Staff Exhibit 7.	Ongoing, including monitoring of compliance during the remaining work
20	Erosion control matting fabric shall be installed on water body banks at the time of final bank re-contouring, unless riprap or other bank stabilization methods are employed in accordance with federal, state and local permits and approvals.	Ongoing, including monitoring of compliance during the remaining work
21	If trees are to be removed that have commercial or other value to affected landowners, Keystone shall compensate the landowner for the fair market value of the trees to be cleared and/or allow the landowner the right to retain ownership of the felled trees. The environmental inspection in Condition 14 shall include forested lands.	Compensation is complete for 2008 construction. For 2009 construction, 66 land owners were affected. As of December 31, 2009, compensation has been paid to 66 landowners. Environmental inspectors inspected the clearing of trees from the work area

NO.	CONDITION	STATUS OF OTHER MEASURES REQUIRED BY CONDITIONS
		during construction.  This is now complete.
22	Unless a wetland is actively cultivated or rotated cropland or unless non-cohesive soil conditions require utilization of greater width, the width of the construction right-of-way shall be limited to 75 feet or less in standard wetlands.	Complete.
23	Unless a wetland is actively cultivated or rotated cropland, extra work areas shall be located at least 50 feet away from wetland boundaries except where site-specific conditions render a 50-foot setback infeasible.	Complete.
24	Vegetation clearing shall be limited between extra work areas and the edge of the wetland to the construction right-of way.	Vegetation clearing is completed for Spread 2A in South Dakota. Vegetation clearing was limited between the extra work area and the wetlands.
25	Wetland boundaries and buffers shall be clearly marked in the field with signs and/or highly visible flagging until construction-related ground disturbing activities are complete.	Wetland boundaries were marked in the field with Wetland Boundary signs. These signs were maintained / replaced on a regular basis by the Environmental Inspection team during construction. This activity is now complete
26	Extra work areas near water bodies shall be located at least 50 feet from the water's edge, except where the adjacent upland consists of actively cultivated or rotated cropland or other disturbed land or where site-specific conditions render a 50-foot setback infeasible. Clearing of vegetation between extra work space areas and the water's edge shall be limited to the construction right-of-way.	Vegetation clearing was limited between the extra work area and the wetlands.  Extra workspace areas were set back from the streams, except in areas where site-specific conditions required workspace closer than 50 feet from the water's edge.  This is now complete.
27	In water body areas, work area boundaries and buffers shall be clearly marked in the field with signs and or highly visible flagging until construction-related ground disturbing activities are complete.	Work area boundaries were staked in the field by Keystone survey crews. Additional signs were installed by Environmental Inspectors to emphasize the boundaries and setbacks. This is now complete.
28	Spoil from minor and intermediate water body crossings and upland spoil from major waterway crossings shall be placed in the construction right of way at least 10 feet from the water's edge or in additional extra work areas, except that in-stream spoil from streams greater than 30 feet in width may be temporarily stored in-stream when stream flow conditions warrant such treatment.	Complete.
29	Vegetation maintenance adjacent to water bodies shall be conducted in such manner to allow a riparian strip at least 25 feet wide as measured from the water body's mean high water mark to permanently re-vegetate with native plant species across the entire construction right-of way.	This requirement was communicated to operations staff.
30	The width of the clear cuts through any windbreaks and shelterbelts shall be limited to 50 feet or less. The width of clear cuts through extended lengths of wooded areas shall be limited to 85 feet or less.	Keystone has gone back to each landowner and has asked for permission to clear a wider path and in all but 2 instances has been granted permission. This is now complete.



NO.	CONDITION	STATUS OF OTHER MEASURES REQUIRED BY CONDITIONS
31	<p>Keystone shall follow all of Staff's recommendations regarding road protection and bonding. Such recommendations include:</p> <ul style="list-style-type: none"> <li>a) Keystone shall coordinate road closures with state and local governments and emergency responders.</li> <li>b) Keystone shall implement a regular program of road maintenance and repair through the active construction period to keep paved and gravel roads in an acceptable condition for residents and the general public.</li> <li>c) After Construction, Keystone shall repair and restore any deterioration caused by construction traffic such that the roads are returned to at least their preconstruction condition.</li> <li>d) Keystone shall use appropriate preventative measures as needed to prevent damage to paved roads and to remove excess soil or mud from such roadways.</li> <li>e) Pursuant to SDCL 49-41B-38, Keystone shall obtain and file with the Commission a bond in the amount of \$3 million in 2008 and \$12 million in 2009 to ensure that any damage beyond normal wear to public roads, highways, bridges or other related facilities will be adequately compensated. Such bonds shall name the Commission as obligee in favor of and for the benefit of, such townships, counties, or other governmental entities whose property is crossed by the Project. Each bond shall remain in effect until released by the Commission, which release shall not be unreasonably denied following completion of the construction and repair period. Either at the contact meetings required by Condition 10 or by mail, Keystone shall give notice of the existence and amount of these bonds to all counties, townships and other governmental entities whose property is crossed by the Project.</li> </ul>	<p>A Bond of \$3 million is in place for 2008 construction. A bond for \$12 million, dated March 1, 2009, has been issued and filed with the SD PUC for 2009 construction.</p> <p>Contractor Michels has designated a land man to coordinate with local officials and to resolve local road issues as they occur in Spread 3B.</p> <p>Contractor Price Gregory has designated a land man to coordinate with local officials and to resolve local road issues as they occur in Spread 4B.</p> <p>A letter was sent to local government entities in 2008 advising them of the existence and the amount of the bond filed with SD PUC. A second letter was sent in July 2009.</p> <p>A new bond was obtained and forwarded to the commission in April 2010.</p>
32	<p>Due to the nature of residential property, Keystone shall implement the following protections in addition to those set forth in its Construction Mitigation and Reclamation Plan in areas where the Project passes within 500 feet of a residence:</p> <ul style="list-style-type: none"> <li>a. To the extent feasible, Keystone shall coordinate construction work schedules with affected residential landowners prior to the start of construction in the area of the residences.</li> <li>b. Keystone shall maintain access to all residences at all times, except for periods when it is infeasible to do so or except as otherwise agreed between Keystone and the occupant. Such periods shall be restricted to the minimum duration possible and shall be coordinated with affected residential landowners and occupants, to the extent possible</li> <li>c. Keystone shall install temporary safety fencing, when reasonably requested by the landowner or occupant, to control access and minimize hazards associated with an open trench and heavy equipment in a residential area.</li> <li>d. Keystone shall notify affected residents in advance of any scheduled disruption of utilities and limit the duration of such disruption.</li> <li>e. Keystone shall repair any damage to property that results from construction activities.</li> <li>f. Keystone shall restore all areas disturbed by construction to</li> </ul>	<p>Ongoing, including monitoring of compliance during the remaining work</p>

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	at least their preconstruction condition.	
33	Keystone shall coordinate project activities with the South Dakota State Fair Administration to make best use of fair resources for traditional users as well as construction workers.	Complete. There were no issues regarding construction of the Keystone Pipeline during the 2008 or 2009 South Dakota State Fair.
34	Construction must be suspended when weather conditions are such that construction activities will cause irreparable damage, unless adequate protection measures approved by the Commission are taken.	Ongoing, including monitoring of compliance during the remaining work.
35	Reclamation and clean-up along the right-of-way must be continuous and coordinated with ongoing construction.	Final cleanup and reclamation is complete. Minor activities are continuing in the remainder of 2010 to address landowner concerns and punch list items.
36	All pre-existing roads and lanes used during construction must be restored to a condition that will accommodate their previous use, and areas used as temporary roads during construction must be restored to their original condition, except as otherwise requested or agreed to by the landowner or any governmental authority having jurisdiction over such roadway.	Keystone has continued holding weekly teleconferences to track and address final road repairs. An engineering consultant has been hired to study the haul routes. Settlement agreements were reached with all Counties and damage payments and releases have been issued. One township remains to be paid which was recently reported to Keystone. All other county and township haul routes in South Dakota have been addressed. Keystone representatives will be available to work with the affected counties and townships during the reclamation phase of the project. Weekly teleconferences will continue until reclamation is complete and all haul routes have been released of damages.
37	Keystone shall, prior to any construction, file with the Commission a list identifying private and new access roads that will be used or required during construction and file a description of methods used by Keystone to reclaim those access roads.	Complete.
38	In the event the winter season delays successful completion of de-compaction, topsoil replacement or seeding until the following spring, Keystone shall prepare and obtain a winterization plan. The Commission and affected landowners and/or governmental units shall be notified.	Keystone prepared a Winterization Plan detailing these requirements and provided this Plan to the Commission staff for the winter of 2008/9. Winterization of the ROW was not required for the winter of 2009. Final punchlist items will be completed on the Keystone ROW during the remainder of 2010.
39	Keystone shall construct and operate the pipeline in the manner described in the application and at the hearing, including in Keystone's exhibits, and in accordance with the conditions of this permit, the PHMSA Special Permit and the conditions of this Order and the construction permit granted herein.	Keystone has constructed the pipeline in the manner as described in the application and the hearing, in accordance with all permit requirements. Keystone is currently in the process of providing compliance confirmation documentation to PHMSA's Central Region Office in association with operating the pipeline above 72%SMYS as well as the interim guidelines to verify



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		<p>“Potential for Low and Variable Yield and Tensile Strength and Chemical Compositions in High Strength Line Pipe.” The compliance for the interim guidelines consists of validation digs from high resolution caliper inspection runs, conducted in addition to the conventional post construction caliper inspection.</p>
40	Keystone shall require compliance by its shippers with its crude oil specifications in order to minimize the potential for internal corrosion	Shippers are required to comply with Keystone's crude oil FERC tariff specifications.
41	Keystone's obligation for reclamation and maintenance of the right-of-way shall continue throughout the life of the pipeline.	Keystone will continue to monitor reclamation and maintenance of the ROW regularly. During operations, Keystone conducts regular aerial patrols of the construction ROW and identifies reclamation and maintenance issues.
42	In accordance with 49 C.F.R. 195, Keystone shall continue to evaluate and perform assessment activities regarding high consequence areas. Prior to Keystone commencing operation, all unusually sensitive areas as defined by 49 CFR 195.6 that may exist, whether currently marked on DOT's HCA maps or not, should be identified and added to the Emergency Response Plan and Integrity Management Plan. In its continuing assessment and evaluation of environmentally sensitive and high consequence areas, Keystone shall seek out and consider local knowledge, including the knowledge of the South Dakota Geological Survey, the Department of Game Fish and Parks and local landowners and governmental officials.	<p>These factors were taken into consideration in the development of Keystone's Emergency Response Plan and Keystone's Integrity Management Plan for High Consequence Areas. Keystone has coordinated with state agencies, such as the SD DENR, to assist in the identification of areas that qualify as High Consequence Areas under 49 CFR 195.</p> <p>Complete.</p>
43	The evidence in the record demonstrates that in some reaches of the Project in northern Marshall County, the Middle James Aquifer is present at or very near ground surface and is not overlain by sufficient impermeable material to isolate it from surficial infiltration of contaminants. The evidence also demonstrates that this aquifer serves as the water source for at least one significant public water supply system and several domestic farm wells. Keystone shall identify the Middle James Aquifer area in Marshall County as a hydrologically sensitive area in its Integrity Management and Emergency Response Plans, except in areas where Keystone can demonstrate that the aquifer is overlain by sufficient unoxidized glacial till or other impermeable material to isolate it from infiltration of contaminants in the event of a release from the Project. Keystone shall similarly treat any other surficial aquifers of which it becomes aware during construction and continuing route evaluation.	Keystone identified areas of shallow groundwater in northern Marshall County that have been designated as hydrologically sensitive areas due to their connection with the Middle James Aquifer several miles to the east of the Keystone centerline. Keystone has identified this hydrologically sensitive area in its Emergency Response Plan and Integrity Management Plan for High Consequence Areas.
44	Prior to putting the Keystone Pipeline into operation, Keystone shall prepare, file with PHMSA and implement an emergency response plan as required under 49 CFR 194 and a manual of written procedures for conducting normal operations and maintenance activities and handling abnormal operations and emergencies as required under 49 CFR 195.402. Keystone shall also prepare and implement a written integrity management program in the manner and at such time as required under 49 CFR 195.452. At such time as Keystone files its Emergency Response Plan and Integrity Management Plan with PHMSA or any other state or federal	<p>The Keystone Emergency Response Plan was approved by PHMSA on January 22, 2009.</p> <p>Keystone ERP was filed with the SD PUC on February 12, 2009.</p> <p>The Keystone Integrity Management Plan for High Consequence Areas was submitted to PHMSA on July 17, 2009</p>

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	<p>agency, it shall also file such documents with the Commission. The Commission's confidential filing rules found at ARSD 20:10:01:41 may be invoked by Keystone with respect to such filings to the same extent as with all other filings at the Commission. If information is filed as "confidential," any person desiring access to such materials or the Commission Staff or the Commission may invoke the procedures of ARSD 20:10:01:41 through 20:10:01:43 to determine whether such information is entitled to confidential treatment and what protective provisions are appropriate for limited release of information found to be entitled to confidential treatment.</p>	<p>and with the SD PUC on August 7, 2009.</p> <p>Complete.</p>
45	<p>To facilitate periodic pipeline leak surveys during operation of the facilities in wetland areas, a corridor centered on the pipeline and up to 15 feet wide shall be maintained in an herbaceous state. Trees within 15 feet of the pipeline greater than 15 feet in height may be selectively cut and removed from the permanent right-of-way.</p>	<p>No action required at this time.</p>
46	<p>To facilitate periodic pipeline leak surveys in riparian areas, a corridor centered on the pipeline and up to 10 feet wide shall be maintained in an herbaceous state.</p>	<p>No action required at this time.</p>
47	<p>At the hearing, Keystone's expert witness, Brian Thomas, testified that there do not currently exist any viable and cost effective remote sensing or monitoring systems that could either be installed along the pipeline, particularly at sensitive locations, or employed in aerial and/or ground surveillance activities to detect volatile organic compounds or other indicators of potential leaks. The Commission believes that such technologies, when available, could increase the effectiveness of visual surveillance and augment the SCADA system and mass balance and other leak detection methods that Keystone will employ. The Commission accordingly directs Keystone to keep abreast of the latest developments in such technologies and report to the Commission on the status of innovation in such pipeline leak detection equipment and methods on or before April 1, 2010, and at such additional times thereafter until 2019 as the Commission shall specifically request, but in no case more frequently than once every three years.</p>	<p>The initial report under this condition was provided to the Commission under separate cover.</p>
48	<p>Except to the extent waived by the owner or lessee in writing or to the extent the noise levels already exceed such standard, the noise levels associated with Keystone's pump station and other noise-producing facilities will not exceed the L10=55dbA standard at the nearest occupied, existing residence, office, hotel/motel or non-industrial business not owned by Keystone. The point of measurement will be within 100 feet of the residence or business in the direction of the pump station facility. Post-construction operational noise assessments will be completed by an independent third-party noise consultant, approved by the Commission, to show compliance with the noise level at each pump station or other noise-producing facility. The noise assessments will be performed in accordance with applicable American National Standards Institute standards. The results of the assessments will be filed with the Commission. In the event the noise level exceeds the limits set forth in this condition at any pump station or other noise producing facility, Keystone shall promptly implement noise mitigation measures to bring the facility into</p>	<p>No action required at this time.</p>

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	compliance with the limits set forth in this condition and shall report to the Commission concerning the measures taken and the results of post-mitigation assessments demonstrating that the noise limits have been met.	
49	At the request of any landowner or public water supply system that offers to provide the necessary access to Keystone over his/her property or easement(s) to perform the necessary work, Keystone shall replace at no cost to such landowner or public water supply system, any polyethylene water piping located within 500 feet of the Project. Keystone shall not be required to replace that portion of any piping that passes through or under a basement wall or other wall of a home or other structure. At least forty-five (45) days prior to commencing construction, Keystone shall publish a notice in at least one newspaper of general circulation in each county through which the Project will be constructed advising landowners and public water supply systems of this condition.	Completed for 2008. No requests from any landowners at this time.  Publication has been completed for 2009. There was one request from a landowner. Upon further review, the water line was located more than 500 feet from the pipeline.  No requests in 2010.
50	If during construction, Keystone or its agents discover what may be an archaeological resource, cultural resource, paleontological resource, historical resource or gravesite, Keystone or its agents shall immediately cease work at that portion of the site and notify the Commission and the State Historical Preservation Office. If the SHPO determines a protectable resource is present, Keystone shall develop a plan that is acceptable to the SHPO to salvage, avoid or protect the archaeological resource. If such a plan will require a different route than that approved by the Commission, Keystone shall obtain Commission approval for the new route before proceeding with any further construction.	Complete.
51	Keystone shall promptly report to the Commission the presence in the permit area of any critical habitat of threatened or endangered species that Keystone becomes aware of and that were not previously reported to the Commission.	Ongoing, including monitoring of compliance during the remaining work
52	Keystone shall keep a record of drain tile system information throughout construction. Location information shall be collected using a sub-meter accuracy global positioning system where available or, where not available by accurately documenting the pipeline station numbers of each exposed drain tile. Keystone shall maintain the drain tile location information and tile specifications and incorporate it into its Emergency Response and Integrity Management Plans where drains might be expected to serve as contaminant conduits in the event of a release.	Ongoing, including monitoring of compliance during the work.  There have been no drain tile crossings during construction.
53	Keystone shall repair or replace all property removed or damaged during all phases of construction and operation of the proposed transmission facility, including but not limited to, all fences, gates and irrigation or drainage systems. Keystone shall compensate the owners for damages or losses that cannot be fully remedied by repair or replacement, such as lost productivity and crop and livestock losses.	Reclamation work continues in South Dakota as final repairs were made by Keystone. Contractors continue to address issues typical of year one post construction in conjunction with the clean up and reclamation work. Crews are currently working in the state to finish the remaining reclamation work as conditions allow. Damage compensation continues to be addressed by the Keystone Land Department as losses are reported. All standard damage compensation has been paid to affected parties. Most claims have

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		been addressed. Any future repairs that become apparent as land returns to pre-construction use will be addressed by Keystone operations as they are identified through fly-over surveys or on-site investigation and as brought to Keystones' attention through discussions with landowners and tenants.
54	In the event that a person's well is contaminated as a result of the pipeline operation, Keystone shall pay all costs associated with finding and providing a permanent water supply that is at least of similar quality and quantity; and any other related damages including but not limited to any consequences, medical or otherwise, related to water contamination.	No action required at this time.
55	Any damage that occurs as a result of soil disturbance on a persons' property shall be paid for by Keystone.	Compensation for damages is ongoing and will continue through final cleanup.
56	No person will be held responsible for a pipeline leak that occurs as a result of his/her normal farming practices over the top of or near the pipeline.	No action required at this time.
57	Keystone shall pay commercially reasonable costs and indemnify and hold the landowner harmless for any loss, damage, claim or action resulting from Keystone's use of the easement, except to the extent such loss, damage claim or action results from the gross negligence or willful misconduct of the landowner or its agents.	No action required at this time.